ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2186F/40-42-45	2327F/41-42-45	2376F/41-42-45	2426F/41-42-45
		2120**46-50-52	2168**55-59-61	2181**58-61-63	2191**61-64-66
58A	2110	2216F/41-44-47	2358F/42-44-47	2408F/42-44-47	2459F/43-44-47
		2157**47-50-53	2208**55-59-61	2221**58-62-64	2232**61-65-67
56A	2155	2247F/42-45-48	2391F/43-45-48	2441F/43-45-48	2493F/44-45-48
		2196**47-51-54	2249**56-60-62	2263**58-63-65	2275**61-65-68
54A	2203	2277F/43-47-50	2425F/44-47-50	2475F/45-47-50	2528F/45-47-50
		2236**47-51-54	2292**56-60-63	2307**59-63-65	2320**62-66-68
52A	2250	2308F/45-48-51	2458F/45-48-51	2510F/46-48-51	2562F/46-48-51
		2276**47-52-55	2335**56-61-63	2351**59-64-66	2365**62-66-69
50A	2297	2338F/46-49-53	2491F/47-49-53	2543F/47-49-53	2597F/47-49-53
		2316**47-52-55	2378**56-61-64	2395**59-64-67	2410**62-67-69
48	2350	2371F/47-51-55	2526F/48-51-55	2579F/48-51-55	2634F/48-51-55
		2360**48-52-56	2424**57-61-64	2443**60-64-67	2459**63-67-70
46	2404	2406F/48-53-56	2563F/49-53-56	2617F/49-53-56	2674F/50-53-56
			2472**57-62-65	2492**60-65-68	2510**63-68-71
44	2462	2442F/48-54-58	2600F/50-54-58	2656F/51-54-58	2714F/51-54-58
			2521**57-62-66	2543**60-65-69	2561**63-68-71
42	2523	2476F/48-55-59	2637F/52-56-60	2695F/52-56-60	2755F/52-56-60
			2573**57-63-66	2595**60-66-69	2615**63-69-72
40	2583	2511F/49-55-60	2675F/53-58-62	2735F/53-58-62	2795F/54-58-62
			2623**57-63-67	2647**60-66-70	2670**63-69-73
38	2643	2544F/49-56-61	2712F/54-60-64	2773F/55-60-64	2834F/55-60-64
			2674**57-63-67	2699**60-66-70	2723**63-69-73
36	2692	2570F/49-57-62	2742F/55-61-65	2804F/56-61-65	2866F/56-61-65
			2715**57-63-68	2741**60-67-71	2767**63-70-73
34	2740	2597F/49-58-63	2772F/56-62-67	2834F/56-62-67	2898F/57-62-67
			2755**57-64-68	2783**60-67-71	2810**63-70-74
32	2778	2621F/49-58-64	2799F/56-63-68	2862F/57-63-68	2926F/58-63-68
			2788**57-64-69	2817**60-67-71	2844**63-70-74
30	2816	2646F/50-59-64	2827F/57-64-69	2890F/58-64-69	2955F/58-64-69
			2821**57-64-69	2850**60-68-72	2878**64-71-75
28	2856	2674F/50-59-65	2856F/57-65-70	2920F/58-65-70	2985F/59-65-70
				2886**61-68-73	2914**64-71-76
26	2896	2700F/50-60-66	2885F/58-66-71	2949F/59-66-71	3013F/60-66-71
				2920**61-68-73	2949**64-72-76
24	2916	2717F/50-60-66	2903F/58-66-71	2968F/59-66-71	3032F/60-66-71
				2940**61-69-74	2969**64-72-77
22	2917	2725F/51-61-67	2912F/58-66-71	2977F/59-66-71	3041F/60-66-71
				2944**61-69-74	2973**65-73-77

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2918	2733F/51-61-67	2921F/59-66-71	2987F/59-66-71	3050F/60-66-71
			2919**58-67-72	2949**62-70-74	2978**65-73-77
18	2918	2742F/51-61-67	2930F/59-66-71	2996F/59-66-71	3059F/60-66-71
			2924**59-67-72	2954**62-70-75	2983**66-73-78
16	2919	2750F/52-61-67	2940F/59-66-71	3005F/59-66-71	3069F/60-66-71
			2929**59-67-72	2959**63-71-75	2987**66-74-78
14	2920	2758F/52-62-67	2949F/59-66-71	3014F/60-66-71	3078F/60-66-71
			2933**60-68-73	2963**63-71-76	2992**67-74-79
12	2920	2767F/52-62-68	2958F/59-66-71	3023F/60-66-71	3088F/60-66-71
			2938**60-68-73	2968**64-72-76	2996**67-75-79
10	2921	2776F/52-62-68	2968F/59-66-71	3032F/60-66-71	3097F/60-66-71
			2943**61-69-74	2972**64-72-77	3001**67-75-80
8	2922	2784F/53-62-68	2978F/59-67-72	3042F/60-67-72	3107F/60-67-72
			2948**61-69-74	2977**64-73-77	3006**68-76-80
6	2923	2793F/53-63-68	2987F/59-67-72	3051F/60-67-72	3117F/61-67-72
			2953**61-70-74	2982**65-73-77	3011**68-76-81
4	2923	2802F/53-63-69	2996F/59-67-72	3061F/60-67-72	3127F/61-67-72
			2958**62-70-75	2987**65-73-78	3015**69-77-81
2	2924	2811F/54-63-69	3006F/59-67-72	3071F/60-67-72	3137F/61-67-72
			2963**62-71-75	2992**66-74-78	3019**69-77-82
0	2924	2820F/54-64-69	3015F/59-67-72	3080F/60-67-72	3147F/61-67-72
			2967**63-71-76	2996**66-74-79	3024**70-78-82
-2	2925	2829F/54-64-69	3025F/59-67-72	3090F/60-67-72	3157F/61-67-72
			2972**63-72-76	3001**67-75-79	3028**70-78-82
-4	2925	2838F/54-64-69	3034F/59-67-72	3100F/60-67-72	3167F/61-67-72
			2976**64-72-77	3005**67-75-80	3032**71-79-83
-6	2925	2847F/55-64-70	3044F/60-67-72	3110F/60-67-72	3175F/61-67-72
			2981**64-73-77	3010**68-76-80	3037**71-79-83
-8	2926	2857F/55-65-70	3053F/60-67-72	3120F/60-67-72	3175F/61-67-72
			2985**65-73-78	3014**68-76-81	3041**72-80-84
-10	2926	2866F/55-65-70	3063F/60-67-72	3130F/60-67-72	3175F/61-67-72
			2990**65-74-78	3019**69-77-81	3045**72-80-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2096F/40-42-45	2236F/41-42-45	2284F/41-42-45	2333F/41-42-45
		2081**41-44-47	2138**50-53-55	2154**52-56-58	2168**55-58-60
58A	2110	2125F/41-44-47	2266F/42-44-47	2315F/42-44-47	2365F/43-44-47
		2117**42-45-48	2176**50-53-56	2193**53-56-58	2208**56-59-61
56A	2155	2155F/42-45-48	2298F/43-45-48	2347F/43-45-48	2398F/44-45-48
			2215**50-54-56	2233**53-57-59	2250**56-60-62
54A	2203	2185F/43-46-49	2330F/44-47-50	2380F/45-47-50	2431F/45-47-50
			2257**51-54-57	2276**54-57-60	2293**57-60-63
52A	2250	2216F/43-47-50	2362F/45-48-51	2413F/46-48-51	2465F/46-48-51
			2298**51-55-58	2318**54-58-60	2336**57-61-63
50A	2297	2246F/43-48-51	2394F/47-49-53	2446F/47-49-53	2498F/47-49-53
			2340**51-55-58	2360**54-58-61	2379**57-61-64
48	2350	2279F/44-49-53	2429F/48-51-55	2481F/48-51-55	2534F/48-51-55
			2384**52-56-59	2406**55-59-62	2426**58-62-65
46	2404	2313F/44-49-54	2465F/49-53-56	2518F/49-53-56	2572F/50-53-56
			2431**52-56-60	2454**55-59-62	2475**58-62-65
44	2462	2346F/45-50-55	2502F/50-54-58	2556F/51-54-58	2611F/51-54-58
			2480**52-57-60	2503**55-60-63	2525**58-63-66
42	2523	2380F/45-51-56	2538F/52-56-60	2593F/52-56-60	2650F/52-56-60
			2530**52-57-61	2554**55-60-64	2577**58-63-67
40	2583	2412F/45-52-57	2574F/52-58-62	2630F/53-58-62	2689F/54-58-62
				2604**55-60-64	2629**59-64-67
38	2643	2444F/46-53-58	2608F/53-58-63	2666F/55-60-64	2726F/55-60-64
				2653**55-61-65	2679**59-64-68
36	2692	2470F/46-53-59	2636F/53-59-64	2695F/55-61-65	2757F/56-61-65
				2693**55-61-65	2721**59-64-68
34	2740	2495F/46-54-60	2664F/53-60-65	2725F/56-62-66	2787F/57-62-67
					2762**59-64-69
32	2778	2519F/46-55-61	2690F/54-60-65	2751F/56-62-67	2814F/58-63-68
					2795**59-65-69
30	2816	2542F/47-55-61	2716F/54-61-66	2778F/56-63-68	2842F/58-64-69
					2828**59-65-70
28	2856	2568F/47-56-62	2745F/54-62-67	2808F/57-63-69	2872F/59-65-70
					2863**59-66-70
26	2896	2592F/47-57-63	2772F/54-62-68	2836F/57-64-69	2900F/59-66-71
					2898**59-66-71
24	2916	2608F/47-57-64	2790F/55-63-68	2854F/57-65-70	2919F/60-66-71
					2917**60-67-71
22	2917	2615F/48-57-64	2798F/55-63-68	2863F/57-65-70	2928F/60-66-71
					2922**60-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT **RUNWAY 13** **OETB**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF** **TABUK AIRPORT**
TABUK TUU
777-200 GE90-94B **DATED 17-FEB-2020**

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2918	2623F/48-58-64	2807F/55-63-69	2872F/58-65-70	2938F/60-66-71
					2927**61-67-72
18	2918	2631F/48-58-64	2816F/56-63-69	2881F/58-65-71	2947F/60-66-71
					2931**61-68-73
16	2919	2639F/48-58-64	2825F/56-64-69	2890F/58-66-71	2956F/60-66-71
					2936**61-68-73
14	2920	2647F/49-58-65	2834F/56-64-69	2899F/59-66-71	2966F/60-66-71
					2941**62-69-74
12	2920	2655F/49-59-65	2843F/57-64-70	2909F/59-66-71	2976F/60-66-71
					2946**62-69-74
10	2921	2663F/49-59-65	2852F/57-64-70	2918F/59-66-71	2985F/60-66-71
					2950**63-70-74
8	2922	2672F/50-59-65	2862F/57-65-70	2928F/60-67-72	2995F/60-67-72
				2925**60-67-72	2956**63-70-75
6	2923	2680F/50-59-66	2871F/57-65-70	2937F/60-67-72	3005F/61-67-72
				2930**60-67-72	2961**64-71-75
4	2923	2689F/50-60-66	2881F/58-65-71	2947F/60-67-72	3014F/61-67-72
				2934**61-68-73	2966**64-71-76
2	2924	2697F/50-60-66	2890F/58-66-71	2957F/60-67-72	3024F/61-67-72
				2939**61-68-73	2970**64-72-76
0	2924	2706F/51-60-66	2900F/58-66-71	2967F/60-67-72	3034F/61-67-72
				2944**61-69-73	2975**65-72-77
-2	2925	2714F/51-60-66	2909F/59-66-71	2977F/60-67-72	3043F/61-67-72
				2949**62-69-74	2980**65-73-77
-4	2925	2723F/51-61-67	2919F/59-66-71	2987F/60-67-72	3053F/61-67-72
				2954**62-70-74	2984**66-73-77
-6	2925	2732F/52-61-67	2928F/59-67-72	2996F/60-67-72	3063F/61-67-72
			2927**59-67-72	2958**63-70-75	2989**66-74-78
-8	2926	2740F/52-61-67	2938F/60-67-72	3006F/60-67-72	3073F/61-67-72
			2931**60-67-72	2963**63-71-75	2993**67-74-78
-10	2926	2749F/52-61-67	2948F/60-67-72	3016F/60-67-72	3083F/61-67-72
			2936**60-68-73	2968**64-71-76	2998**67-75-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2186F/40-42-45	2327F/41-42-45	2376F/41-42-45	2426F/41-42-45
		2120**46-50-52	2168**55-59-61	2181**58-61-63	2191**61-64-66
58A	2110	2216F/41-44-47	2358F/42-44-47	2408F/42-44-47	2459F/43-44-47
		2157**47-50-53	2208**55-59-61	2221**58-62-64	2232**61-65-67
56A	2155	2247F/42-45-48	2391F/43-45-48	2441F/43-45-48	2493F/44-45-48
		2196**47-51-54	2249**56-60-62	2263**58-63-65	2275**61-65-68
54A	2203	2277F/43-47-50	2425F/44-47-50	2475F/45-47-50	2528F/45-47-50
		2236**47-51-54	2292**56-60-63	2307**59-63-65	2320**62-66-68
52A	2250	2308F/45-48-51	2458F/45-48-51	2510F/46-48-51	2562F/46-48-51
		2276**47-52-55	2335**56-61-63	2352**59-64-66	2365**62-66-69
50A	2297	2338F/46-49-53	2491F/47-49-53	2543F/47-49-53	2597F/47-49-53
		2316**47-52-55	2378**56-61-64	2395**59-64-67	2410**62-67-69
48	2350	2371F/47-51-55	2526F/48-51-55	2579F/48-51-55	2634F/48-51-55
		2360**48-52-56	2424**57-61-64	2443**60-64-67	2459**63-67-70
46	2404	2406F/48-53-56	2563F/49-53-56	2617F/49-53-56	2674F/50-53-56
			2472**57-62-65	2492**60-65-68	2510**63-68-71
44	2462	2442F/48-54-58	2600F/50-54-58	2656F/51-54-58	2714F/51-54-58
			2521**57-62-66	2543**60-65-69	2561**63-68-71
42	2523	2476F/48-55-59	2637F/52-56-60	2695F/52-56-60	2755F/52-56-60
			2573**57-63-66	2595**60-66-69	2615**63-69-72
40	2583	2511F/49-55-60	2675F/53-58-62	2735F/53-58-62	2795F/54-58-62
			2623**57-63-67	2647**60-66-70	2670**63-69-73
38	2643	2544F/49-56-61	2712F/54-60-64	2773F/55-60-64	2834F/55-60-64
			2674**57-63-67	2699**60-66-70	2723**63-69-73
36	2692	2570F/49-57-62	2742F/55-61-65	2804F/56-61-65	2866F/56-61-65
			2715**57-63-68	2742**60-67-71	2767**63-70-73
34	2740	2597F/49-58-63	2772F/56-62-67	2834F/56-62-67	2898F/57-62-67
			2755**57-64-68	2783**60-67-71	2810**63-70-74
32	2778	2621F/49-58-64	2799F/56-63-68	2862F/57-63-68	2926F/58-63-68
			2788**57-64-69	2817**60-67-71	2844**63-70-74
30	2816	2646F/50-59-64	2827F/57-64-69	2890F/58-64-69	2955F/58-64-69
			2821**57-64-69	2850**60-68-72	2878**64-71-75
28	2856	2674F/50-59-65	2856F/57-65-70	2920F/58-65-70	2985F/59-65-70
				2886**61-68-73	2914**64-71-76
26	2896	2700F/50-60-66	2885F/58-66-71	2949F/59-66-71	3013F/60-66-71
				2920**61-68-73	2949**64-72-76
24	2916	2717F/50-60-66	2903F/58-66-71	2968F/59-66-71	3032F/60-66-71
				2940**61-69-74	2969**64-72-77
22	2917	2725F/51-61-67	2912F/58-66-71	2977F/59-66-71	3041F/60-66-71
				2944**61-69-74	2973**65-73-77

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2918	2733F/51-61-67	2921F/59-66-71	2987F/59-66-71	3050F/60-66-71
			2919**58-67-72	2949**62-70-74	2978**65-73-77
18	2918	2742F/51-61-67	2930F/59-66-71	2996F/59-66-71	3059F/60-66-71
			2924**59-67-72	2954**62-70-75	2983**66-73-78
16	2919	2750F/52-61-67	2940F/59-66-71	3005F/59-66-71	3069F/60-66-71
			2929**59-67-72	2959**63-71-75	2987**66-74-78
14	2920	2759F/52-62-67	2949F/59-66-71	3014F/60-66-71	3078F/60-66-71
			2933**60-68-73	2963**63-71-76	2992**67-74-79
12	2920	2767F/52-62-68	2958F/59-66-71	3023F/60-66-71	3088F/60-66-71
			2938**60-68-73	2968**64-72-76	2996**67-75-79
10	2921	2776F/52-62-68	2968F/59-66-71	3032F/60-66-71	3097F/60-66-71
			2943**61-69-74	2972**64-72-77	3001**67-75-80
8	2922	2784F/53-62-68	2978F/59-67-72	3042F/60-67-72	3107F/60-67-72
			2948**61-69-74	2977**64-73-77	3006**68-76-80
6	2923	2793F/53-63-68	2987F/59-67-72	3051F/60-67-72	3117F/61-67-72
			2953**61-70-74	2982**65-73-77	3011**68-76-81
4	2923	2802F/53-63-69	2996F/59-67-72	3061F/60-67-72	3127F/61-67-72
			2958**62-70-75	2987**65-73-78	3015**69-77-81
2	2924	2811F/54-63-69	3006F/59-67-72	3071F/60-67-72	3137F/61-67-72
			2963**62-71-75	2992**66-74-78	3020**69-77-82
0	2924	2820F/54-64-69	3015F/59-67-72	3081F/60-67-72	3147F/61-67-72
			2967**63-71-76	2996**66-74-79	3024**70-78-82
-2	2925	2829F/54-64-69	3025F/59-67-72	3090F/60-67-72	3157F/61-67-72
			2972**63-72-76	3001**67-75-79	3028**70-78-83
-4	2925	2838F/54-64-69	3034F/59-67-72	3100F/60-67-72	3167F/61-67-72
			2976**64-72-77	3005**67-75-80	3032**71-79-83
-6	2925	2847F/55-64-70	3044F/60-67-72	3110F/60-67-72	3175F/61-67-72
			2981**64-73-77	3010**68-76-80	3037**71-79-83
-8	2926	2857F/55-65-70	3054F/60-67-72	3120F/60-67-72	3175F/61-67-72
			2985**65-73-78	3014**68-76-81	3041**72-80-84
-10	2926	2866F/55-65-70	3063F/60-67-72	3130F/60-67-72	3175F/61-67-72
			2990**65-74-78	3019**69-77-81	3045**72-80-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 31 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2092F/40-42-45	2232F/41-42-45	2280F/41-42-45	2329F/41-42-45
		2079**41-44-47	2137**50-53-55	2154**52-56-58	2168**55-58-60
58A	2110	2120F/41-44-47	2262F/42-44-47	2311F/42-44-47	2361F/43-44-47
		2115**42-44-47	2174**50-53-56	2192**53-56-58	2208**56-59-61
56A	2155	2150F/42-45-48	2293F/43-45-48	2343F/43-45-48	2393F/44-45-48
			2214**50-54-56	2232**53-57-59	2249**56-60-62
54A	2203	2181F/43-46-49	2326F/44-47-50	2376F/45-47-50	2427F/45-47-50
			2255**51-54-57	2275**54-57-60	2292**57-60-63
52A	2250	2211F/43-47-50	2357F/45-48-51	2408F/46-48-51	2460F/46-48-51
			2297**51-54-57	2316**54-58-60	2335**57-61-63
50A	2297	2241F/44-47-51	2389F/47-49-53	2441F/47-49-53	2493F/47-49-53
			2338**51-55-58	2358**54-58-61	2378**57-61-64
48	2350	2274F/44-48-52	2424F/48-51-55	2476F/48-51-55	2530F/48-51-55
			2382**52-55-59	2404**55-58-62	2425**58-61-64
46	2404	2308F/45-49-54	2460F/49-53-56	2513F/49-53-56	2568F/50-53-56
			2429**52-56-59	2452**55-59-62	2473**58-62-65
44	2462	2341F/45-50-55	2498F/50-54-58	2551F/51-54-58	2606F/51-54-58
			2478**52-56-60	2501**55-59-63	2523**58-63-66
42	2523	2374F/45-51-56	2533F/52-56-60	2589F/52-56-60	2645F/52-56-60
			2528**52-57-61	2552**55-60-64	2575**58-63-66
40	2583	2407F/46-52-57	2568F/53-57-62	2624F/53-58-62	2684F/54-58-62
				2602**55-60-64	2626**59-63-67
38	2643	2439F/46-53-58	2603F/53-58-63	2660F/55-60-64	2721F/55-60-64
				2651**55-60-65	2677**59-64-68
36	2692	2464F/46-53-59	2630F/53-59-64	2690F/56-61-65	2751F/56-61-65
					2719**59-64-68
34	2740	2490F/46-54-60	2658F/53-60-65	2719F/56-61-66	2781F/57-62-67
					2759**59-64-68
32	2778	2513F/46-55-61	2684F/54-60-65	2746F/56-62-67	2808F/58-63-68
					2792**59-64-69
30	2816	2536F/47-55-61	2710F/54-61-66	2772F/56-63-68	2836F/58-64-69
					2825**59-65-70
28	2856	2562F/47-56-62	2739F/54-61-67	2802F/57-63-68	2866F/59-65-70
					2861**59-65-70
26	2896	2587F/47-56-63	2766F/55-62-68	2830F/57-64-69	2894F/60-66-71
24	2916	2602F/47-57-63	2784F/55-62-68	2848F/57-64-70	2913F/60-66-71
22	2917	2610F/48-57-64	2792F/55-63-68	2857F/58-65-70	2922F/60-66-71
					2919**60-67-72
20	2918	2618F/48-57-64	2801F/55-63-69	2866F/58-65-70	2931F/60-66-71
					2924**61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 31 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
18	2918	2625F/48-58-64	2810F/56-63-69	2875F/58-65-70	2941F/60-66-71
					2929**61-68-72
16	2919	2633F/49-58-64	2819F/56-64-69	2884F/59-65-71	2950F/60-66-71
					2933**61-68-73
14	2920	2641F/49-58-64	2828F/56-64-69	2893F/59-66-71	2960F/60-66-71
					2938**62-68-73
12	2920	2649F/49-58-65	2837F/57-64-69	2903F/59-66-71	2970F/60-66-71
					2943**62-69-74
10	2921	2657F/49-59-65	2846F/57-64-70	2912F/59-66-71	2979F/60-66-71
					2948**63-69-74
8	2922	2665F/50-59-65	2856F/57-65-70	2922F/60-67-72	2989F/60-67-72
					2953**63-70-75
6	2923	2674F/50-59-65	2865F/58-65-70	2931F/60-67-72	2999F/61-67-72
				2927**60-67-72	2958**64-70-75
4	2923	2682F/50-59-66	2874F/58-65-70	2941F/60-67-72	3008F/61-67-72
				2932**61-67-72	2963**64-71-75
2	2924	2691F/51-60-66	2884F/58-65-71	2951F/60-67-72	3018F/61-67-72
				2936**61-68-73	2968**65-71-76
0	2924	2699F/51-60-66	2893F/59-66-71	2961F/60-67-72	3028F/61-67-72
				2941**62-68-73	2972**65-72-76
-2	2925	2708F/51-60-66	2903F/59-66-71	2971F/60-67-72	3037F/61-67-72
				2946**62-69-74	2977**65-72-77
-4	2925	2717F/52-60-66	2912F/59-66-71	2981F/60-67-72	3047F/61-67-72
				2951**62-69-74	2982**66-73-77
-6	2925	2725F/52-61-67	2922F/59-67-72	2990F/60-67-72	3057F/61-67-72
				2956**63-70-75	2986**66-73-78
-8	2926	2734F/52-61-67	2932F/60-67-72	3000F/60-67-72	3067F/61-67-72
			2928**60-67-72	2960**63-70-75	2991**67-74-78
-10	2926	2743F/52-61-67	2942F/60-67-72	3010F/60-67-72	3077F/61-67-72
			2933**60-67-72	2965**64-71-75	2995**67-74-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2271F/30-33-37	2421F/31-33-37	2473F/31-33-37	2526F/32-33-37
		2100**46-51-53	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2302F/31-34-38	2454F/32-34-38	2506F/33-34-38	2560F/33-34-38
		2138**46-51-54	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2335F/33-36-40	2488F/34-36-40	2542F/34-36-40	2596F/34-36-40
		2177**47-52-55	2194**50-55-58	2194**50-55-58	2194**51-55-58
54A	2118	2368F/34-37-41	2523F/35-37-41	2577F/35-37-41	2632F/35-37-41
		2220**47-52-55	2242**52-57-59	2242**52-57-59	2242**52-57-59
52A	2164	2399F/35-38-43	2558F/36-38-43	2613F/36-38-43	2670F/37-38-43
		2261**47-53-56	2291**53-58-61	2291**53-58-61	2291**53-58-61
50A	2210	2431F/36-40-44	2592F/37-40-44	2648F/37-40-44	2708F/38-40-44
		2302**47-53-56	2340**54-60-63	2340**54-60-63	2340**55-60-63
48	2260	2465F/37-41-46	2629F/38-41-46	2688F/38-41-46	2749F/39-41-46
		2347**47-53-57	2394**56-62-65	2394**56-62-65	2394**56-62-65
46	2313	2501F/38-43-47	2668F/39-43-47	2728F/40-43-47	2790F/40-43-47
		2394**47-54-58	2448**57-63-66	2450**57-63-67	2450**58-63-67
44	2369	2538F/40-44-49	2709F/41-44-49	2770F/41-44-49	2833F/41-44-49
		2442**47-54-58	2499**57-63-67	2509**59-65-69	2509**59-65-69
42	2426	2574F/41-46-51	2749F/42-46-51	2811F/42-46-51	2875F/43-46-51
		2491**47-54-59	2551**57-64-67	2569**60-67-70	2571**61-67-71
40	2484	2609F/42-47-53	2789F/43-47-53	2852F/43-47-53	2916F/44-47-53
		2540**47-55-59	2605**57-64-68	2623**60-67-71	2634**62-69-73
38	2540	2644F/43-49-54	2828F/44-49-54	2892F/45-49-54	2957F/45-49-54
		2587**47-55-60	2656**57-64-68	2676**60-67-71	2696**63-70-74
36	2584	2673F/43-50-56	2859F/45-50-56	2924F/45-50-56	2990F/46-50-56
		2624**47-55-60	2699**57-64-69	2721**60-67-71	2742**63-71-74
34	2627	2701F/44-51-57	2889F/46-51-57	2956F/46-51-57	3020F/47-51-57
		2661**47-55-60	2741**57-65-69	2764**60-68-72	2787**63-71-75
32	2663	2727F/45-52-58	2918F/47-52-58	2985F/47-52-58	3049F/47-52-58
		2693**47-56-61	2775**57-65-69	2799**60-68-72	2822**63-71-75
30	2699	2753F/45-53-59	2946F/47-53-59	3012F/48-53-59	3077F/48-53-59
		2725**47-56-61	2808**57-65-70	2833**60-68-73	2858**64-72-76
28	2740	2783F/46-54-60	2977F/48-54-60	3042F/48-54-60	3107F/49-54-60
		2760**47-56-62	2844**57-66-71	2870**60-69-73	2894**64-72-76
26	2780	2810F/46-55-61	3005F/49-55-61	3071F/49-55-61	3137F/50-55-61
		2794**47-57-62	2879**57-66-71	2905**61-69-74	2930**64-72-77
24	2800	2828F/47-56-62	3024F/49-56-62	3089F/49-56-62	3156F/50-56-62
		2813**48-57-63	2898**58-67-72	2925**61-70-74	2949**64-73-77
22	2801	2836F/47-56-62	3032F/49-56-62	3098F/50-56-62	3165F/50-56-62
		2817**48-57-63	2902**58-67-72	2929**61-70-75	2953**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2845F/47-56-62	3041F/49-56-62	3108F/50-56-62	3175F/50-56-62
		2822**48-58-64	2907**58-67-72	2933**62-71-75	2958**65-74-78
18	2802	2854F/47-56-62	3051F/49-56-62	3117F/50-56-62	3175F/50-56-62
		2826**49-58-64	2911**59-68-73	2937**62-71-76	2962**66-74-79
16	2802	2863F/47-56-62	3060F/49-56-62	3127F/50-56-62	3175F/50-56-62
		2830**49-59-64	2915**59-68-73	2941**63-72-76	2966**66-75-79
14	2803	2871F/47-56-62	3069F/49-56-62	3136F/50-56-62	3175F/50-56-62
		2835**49-59-65	2920**60-69-74	2945**63-72-77	2970**67-75-80
12	2803	2880F/47-56-62	3078F/49-56-62	3146F/50-56-62	3175F/50-56-62
		2839**50-60-65	2924**60-69-74	2949**64-72-77	2974**67-76-80
10	2804	2889F/47-56-62	3088F/49-56-62	3155F/50-56-62	3175F/50-56-62
		2844**50-60-66	2928**61-70-74	2954**64-73-77	2977**68-76-81
8	2805	2898F/47-56-62	3097F/49-56-62	3165F/50-56-62	3175F/50-56-62
		2848**51-60-66	2933**61-70-75	2958**64-73-78	2982**68-77-81
6	2806	2907F/47-56-62	3107F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2853**51-61-66	2937**61-71-75	2963**65-74-78	2986**68-77-81
4	2806	2916F/47-56-62	3117F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2858**51-61-67	2941**62-71-76	2967**65-74-79	2990**69-78-82
2	2807	2926F/47-56-62	3126F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2862**52-62-67	2946**62-72-76	2971**66-75-79	2994**69-78-82
0	2807	2935F/47-56-62	3136F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2866**52-62-68	2950**63-72-77	2975**66-75-80	2997**70-79-83
-2	2807	2944F/48-56-62	3146F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2871**53-63-68	2954**63-73-77	2979**67-76-80	2998**70-79-83
-4	2807	2954F/48-56-62	3156F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2875**53-63-68	2958**64-73-78	2982**67-76-81	2999**70-79-83
-6	2808	2963F/48-56-62	3166F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2880**54-64-69	2962**64-74-78	2986**68-77-81	2999**70-79-83
-8	2808	2973F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2884**54-64-69	2966**65-74-78	2990**68-77-82	2999**70-79-83
-10	2808	2982F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2888**55-65-70	2970**65-75-79	2993**69-78-82	3000**70-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2178F/30-33-37	2326F/31-33-37	2377F/31-33-37	2429F/32-33-37
		2066**40-45-48	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2208F/31-34-38	2357F/32-34-38	2409F/33-34-38	2463F/33-34-38
		2104**41-45-48	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2239F/33-36-40	2390F/34-36-40	2443F/34-36-40	2497F/34-36-40
		2144**42-46-49	2192**50-55-57	2194**50-55-58	2194**51-55-58
54A	2118	2270F/34-37-41	2424F/35-37-41	2477F/35-37-41	2532F/35-37-41
		2184**42-46-50	2235**50-55-58	2242**52-57-59	2242**52-57-59
52A	2164	2302F/35-38-43	2457F/36-38-43	2511F/36-38-43	2567F/37-38-43
		2224**42-47-50	2277**51-56-59	2291**53-58-61	2291**53-58-61
50A	2210	2333F/36-40-44	2491F/37-40-44	2545F/37-40-44	2601F/38-40-44
		2264**42-47-51	2320**51-56-59	2336**54-59-62	2340**55-60-63
48	2260	2368F/37-41-46	2527F/38-41-46	2582F/39-41-46	2639F/39-41-46
		2308**42-48-52	2366**51-57-60	2383**54-60-63	2394**56-62-65
46	2313	2404F/38-43-47	2565F/39-43-47	2621F/40-43-47	2680F/40-43-47
		2353**43-48-52	2414**52-57-61	2432**55-60-63	2448**58-63-66
44	2369	2439F/40-44-49	2604F/41-44-49	2662F/41-44-49	2722F/41-44-49
		2400**43-48-53	2464**52-58-61	2483**55-61-64	2500**58-64-67
42	2426	2474F/41-46-51	2642F/42-46-51	2703F/42-46-51	2764F/43-46-51
		2448**43-49-53	2516**52-58-62	2535**55-61-65	2554**58-64-68
40	2484	2507F/42-47-53	2680F/43-47-53	2742F/43-47-53	2806F/44-47-53
		2495**43-49-54	2566**52-58-62	2587**55-61-65	2607**58-64-68
38	2540	2540F/42-49-54	2717F/44-49-54	2780F/45-49-54	2845F/45-49-54
			2615**52-58-63	2638**55-62-66	2660**58-65-69
36	2584	2567F/43-50-55	2746F/45-50-56	2811F/45-50-56	2876F/46-50-56
			2654**52-59-63	2679**55-62-66	2703**58-65-69
34	2627	2592F/43-50-56	2776F/46-51-57	2841F/46-51-57	2907F/47-51-57
			2693**52-59-64	2719**55-62-67	2745**58-65-69
32	2663	2617F/43-51-57	2803F/47-52-58	2869F/47-52-58	2936F/47-52-58
			2726**52-59-64	2753**55-62-67	2779**59-66-70
30	2699	2641F/43-51-58	2830F/47-53-59	2896F/48-53-59	2964F/48-53-59
			2759**52-60-65	2786**56-63-68	2813**59-66-70
28	2740	2669F/44-52-58	2861F/48-54-60	2927F/48-54-60	2995F/49-54-60
			2794**53-60-65	2822**56-63-68	2849**59-66-71
26	2780	2696F/44-53-59	2889F/49-55-61	2956F/49-55-61	3023F/50-55-61
			2829**53-60-66	2857**56-64-69	2884**59-67-72
24	2800	2713F/44-53-60	2908F/49-56-62	2975F/49-56-62	3042F/50-56-62
			2848**53-61-66	2876**56-64-69	2904**60-67-72
22	2801	2721F/44-53-60	2917F/49-56-62	2985F/50-56-62	3051F/50-56-62
			2852**53-61-67	2881**57-64-70	2908**60-68-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2729F/45-54-60	2926F/49-56-62	2994F/50-56-62	3060F/50-56-62
			2857**54-62-67	2885**57-65-70	2912**60-68-73
18	2802	2738F/45-54-60	2935F/49-56-62	3003F/50-56-62	3070F/50-56-62
			2861**54-62-67	2889**57-65-70	2917**61-69-73
16	2802	2746F/45-54-60	2944F/49-56-62	3012F/50-56-62	3079F/50-56-62
			2865**54-63-68	2894**58-66-71	2921**61-69-74
14	2803	2754F/45-54-61	2954F/49-56-62	3021F/50-56-62	3089F/50-56-62
			2870**55-63-68	2898**58-66-71	2925**62-69-74
12	2803	2763F/46-55-61	2963F/49-56-62	3030F/50-56-62	3098F/50-56-62
			2874**55-63-69	2902**59-67-72	2930**62-70-75
10	2804	2771F/46-55-61	2972F/49-56-62	3040F/50-56-62	3108F/50-56-62
			2878**56-64-69	2906**59-67-72	2934**63-70-75
8	2805	2780F/46-55-61	2982F/49-56-62	3049F/50-56-62	3118F/50-56-62
			2883**56-64-69	2911**60-68-72	2938**63-71-75
6	2806	2789F/47-55-61	2992F/49-56-62	3059F/50-56-62	3128F/50-56-62
			2888**57-65-70	2916**60-68-73	2943**63-71-76
4	2806	2798F/47-56-62	3001F/49-56-62	3069F/50-56-62	3138F/50-56-62
			2892**57-65-70	2920**60-68-73	2947**64-72-76
2	2807	2807F/47-56-62	3010F/49-56-62	3078F/50-56-62	3148F/50-56-62
			2897**57-66-71	2925**61-69-74	2951**64-72-77
0	2807	2816F/47-56-62	3020F/49-56-62	3088F/50-56-62	3158F/50-56-62
		2811**48-56-62	2901**58-66-71	2929**61-69-74	2955**65-73-77
-2	2807	2825F/48-56-62	3029F/50-56-62	3098F/50-56-62	3168F/50-56-62
		2815**48-57-63	2905**58-67-72	2934**62-70-75	2960**65-73-78
-4	2807	2834F/48-56-62	3039F/50-56-62	3108F/50-56-62	3175F/50-56-62
		2820**48-57-63	2909**59-67-72	2938**62-70-75	2964**66-74-78
-6	2808	2843F/48-56-62	3048F/50-56-62	3118F/50-56-62	3175F/50-56-62
		2824**49-58-63	2914**59-68-72	2942**63-71-76	2968**66-74-79
-8	2808	2852F/48-56-62	3058F/50-56-62	3128F/50-56-62	3175F/50-56-62
		2829**49-58-64	2918**60-68-73	2946**63-71-76	2972**67-75-79
-10	2808	2862F/48-56-62	3068F/50-56-62	3138F/50-56-62	3175F/50-56-62
		2833**50-59-64	2922**60-69-73	2950**64-72-76	2976**67-75-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2271F/30-33-37	2421F/31-33-37	2473F/31-33-37	2526F/32-33-37
		2100**46-51-53	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2302F/31-34-38	2454F/32-34-38	2507F/33-34-38	2560F/33-34-38
		2138**46-51-54	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2335F/33-36-40	2488F/34-36-40	2542F/34-36-40	2596F/34-36-40
		2178**47-52-55	2194**50-55-58	2194**50-55-58	2194**51-55-58
54A	2118	2368F/34-37-41	2523F/35-37-41	2577F/35-37-41	2632F/35-37-41
		2220**47-52-55	2242**52-57-59	2242**52-57-59	2242**52-57-59
52A	2164	2399F/35-38-43	2558F/36-38-43	2613F/36-38-43	2670F/37-38-43
		2261**47-53-56	2291**53-58-61	2291**53-58-61	2291**53-58-61
50A	2210	2431F/36-40-44	2592F/37-40-44	2648F/37-40-44	2708F/38-40-44
		2302**47-53-56	2340**54-60-63	2340**54-60-63	2340**55-60-63
48	2260	2465F/37-41-46	2629F/38-41-46	2688F/38-41-46	2749F/39-41-46
		2347**47-53-57	2394**56-62-65	2394**56-62-65	2394**56-62-65
46	2313	2501F/38-43-47	2668F/39-43-47	2728F/40-43-47	2790F/40-43-47
		2394**47-54-58	2448**57-63-66	2450**57-63-67	2450**58-63-67
44	2369	2538F/40-44-49	2709F/41-44-49	2770F/41-44-49	2833F/41-44-49
		2442**47-54-58	2499**57-63-67	2509**59-65-69	2509**59-65-69
42	2426	2574F/41-46-51	2749F/42-46-51	2811F/42-46-51	2875F/43-46-51
		2491**47-54-59	2551**57-64-67	2569**60-67-70	2571**61-67-71
40	2484	2609F/42-47-53	2789F/43-47-53	2852F/43-47-53	2916F/44-47-53
		2540**47-55-59	2605**57-64-68	2623**60-67-71	2634**62-69-73
38	2540	2644F/43-49-54	2828F/44-49-54	2892F/45-49-54	2957F/45-49-54
		2587**47-55-60	2656**57-64-68	2677**60-67-71	2696**63-70-74
36	2584	2673F/43-50-56	2859F/45-50-56	2924F/45-50-56	2990F/46-50-56
		2624**47-55-60	2699**57-64-69	2721**60-67-71	2742**63-71-74
34	2627	2701F/44-51-57	2889F/46-51-57	2956F/46-51-57	3021F/47-51-57
		2661**47-55-60	2741**57-65-69	2764**60-68-72	2787**63-71-75
32	2663	2727F/45-52-58	2918F/47-52-58	2985F/47-52-58	3049F/47-52-58
		2693**47-56-61	2775**57-65-69	2799**60-68-72	2822**63-71-75
30	2699	2754F/45-53-59	2946F/47-53-59	3012F/48-53-59	3077F/48-53-59
		2725**47-56-61	2808**57-65-70	2833**60-68-73	2858**64-72-76
28	2740	2783F/46-54-60	2977F/48-54-60	3042F/48-54-60	3108F/49-54-60
		2760**47-56-62	2844**57-66-71	2870**60-69-73	2894**64-72-76
26	2780	2810F/46-55-61	3005F/49-55-61	3071F/49-55-61	3137F/50-55-61
		2794**47-57-62	2879**57-66-71	2905**61-69-74	2930**64-72-77
24	2800	2828F/47-56-62	3024F/49-56-62	3089F/49-56-62	3156F/50-56-62
		2813**48-57-63	2898**58-67-72	2925**61-70-74	2949**64-73-77
22	2801	2837F/47-56-62	3033F/49-56-62	3098F/50-56-62	3165F/50-56-62
		2817**48-57-63	2903**58-67-72	2929**61-70-75	2953**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2845F/47-56-62	3042F/49-56-62	3108F/50-56-62	3175F/50-56-62
		2822**48-58-64	2907**58-67-72	2933**62-71-75	2958**65-74-78
18	2802	2854F/47-56-62	3051F/49-56-62	3117F/50-56-62	3175F/50-56-62
		2826**49-58-64	2911**59-68-73	2937**62-71-76	2962**66-74-79
16	2802	2863F/47-56-62	3060F/49-56-62	3127F/50-56-62	3175F/50-56-62
		2830**49-59-64	2915**59-68-73	2941**63-72-76	2966**66-75-79
14	2803	2871F/47-56-62	3069F/49-56-62	3136F/50-56-62	3175F/50-56-62
		2835**49-59-65	2920**60-69-74	2945**63-72-77	2970**67-75-80
12	2803	2880F/47-56-62	3078F/49-56-62	3146F/50-56-62	3175F/50-56-62
		2839**50-60-65	2924**60-69-74	2949**64-72-77	2974**67-76-80
10	2804	2889F/47-56-62	3088F/49-56-62	3155F/50-56-62	3175F/50-56-62
		2844**50-60-66	2928**61-70-74	2954**64-73-77	2977**68-76-81
8	2805	2898F/47-56-62	3097F/49-56-62	3165F/50-56-62	3175F/50-56-62
		2849**51-60-66	2933**61-70-75	2958**64-73-78	2982**68-77-81
6	2806	2907F/47-56-62	3107F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2853**51-61-66	2937**61-71-75	2963**65-74-78	2986**68-77-81
4	2806	2917F/47-56-62	3117F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2858**51-61-67	2941**62-71-76	2967**65-74-79	2990**69-78-82
2	2807	2926F/47-56-62	3127F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2862**52-62-67	2946**62-72-76	2971**66-75-79	2994**69-78-82
0	2807	2935F/47-56-62	3136F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2866**52-62-68	2950**63-72-77	2975**66-75-80	2997**70-79-83
-2	2807	2944F/48-56-62	3146F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2871**53-63-68	2954**63-73-77	2979**67-76-80	2998**70-79-83
-4	2807	2954F/48-56-62	3156F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2875**53-63-68	2958**64-73-78	2982**67-76-81	2999**70-79-83
-6	2808	2963F/48-56-62	3166F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2880**54-64-69	2962**64-74-78	2986**68-77-81	2999**70-79-83
-8	2808	2973F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2884**54-64-69	2966**65-74-78	2990**68-77-82	2999**70-79-83
-10	2808	2982F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2888**55-65-70	2970**65-75-79	2993**69-78-82	3000**70-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 31 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2174F/30-33-37	2321F/31-33-37	2373F/31-33-37	2426F/32-33-37
		2066**40-45-48	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2203F/31-34-38	2353F/32-34-38	2405F/33-34-38	2459F/33-34-38
		2104**41-45-48	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2234F/33-36-40	2386F/34-36-40	2439F/34-36-40	2493F/34-36-40
		2143**42-46-49	2192**50-55-57	2194**50-55-58	2194**51-55-58
54A	2118	2266F/34-37-41	2420F/35-37-41	2473F/35-37-41	2528F/35-37-41
		2183**42-46-50	2235**50-55-58	2242**52-57-59	2242**52-57-59
52A	2164	2297F/35-38-43	2453F/36-38-43	2507F/36-38-43	2562F/37-38-43
		2223**42-47-50	2277**51-56-59	2291**53-58-61	2291**53-58-61
50A	2210	2328F/36-40-44	2486F/37-40-44	2541F/37-40-44	2597F/38-40-44
		2262**42-47-51	2320**51-56-59	2336**54-59-62	2340**55-60-63
48	2260	2363F/37-41-46	2523F/38-41-46	2578F/38-41-46	2634F/39-41-46
		2306**42-47-51	2366**51-57-60	2383**54-60-63	2394**56-62-65
46	2313	2399F/38-43-47	2561F/39-43-47	2617F/40-43-47	2675F/40-43-47
		2351**43-48-52	2414**52-57-61	2432**55-60-63	2448**58-63-66
44	2369	2434F/40-44-49	2599F/41-44-49	2657F/41-44-49	2717F/41-44-49
		2398**43-48-53	2464**52-58-61	2483**55-61-64	2500**58-64-67
42	2426	2468F/41-46-51	2637F/42-46-51	2698F/42-46-51	2759F/43-46-51
		2445**43-48-53	2515**52-58-62	2535**55-61-65	2554**58-64-68
40	2484	2502F/42-47-53	2674F/43-47-53	2737F/43-47-53	2800F/44-47-53
		2492**43-49-54	2565**52-58-62	2587**55-61-65	2607**58-64-68
38	2540	2535F/43-49-54	2711F/44-49-54	2774F/45-49-54	2840F/45-49-54
			2614**52-58-63	2638**55-62-66	2660**58-65-69
36	2584	2561F/43-49-55	2741F/45-50-56	2805F/45-50-56	2871F/46-50-56
			2653**52-59-63	2679**55-62-66	2703**58-65-69
34	2627	2587F/43-50-56	2770F/46-51-57	2835F/46-51-57	2902F/47-51-57
			2692**52-59-64	2719**55-62-67	2745**58-65-69
32	2663	2611F/43-51-57	2797F/47-52-58	2863F/47-52-58	2930F/47-52-58
			2725**52-59-64	2752**55-62-67	2779**59-66-70
30	2699	2635F/44-51-57	2824F/47-53-59	2890F/48-53-59	2958F/48-53-59
			2757**52-59-65	2785**56-63-68	2813**59-66-70
28	2740	2663F/44-52-58	2854F/48-54-60	2921F/48-54-60	2989F/49-54-60
			2792**53-60-65	2821**56-63-68	2849**59-66-71
26	2780	2690F/44-53-59	2883F/49-55-61	2950F/49-55-61	3018F/50-55-61
			2827**53-60-66	2856**56-64-69	2884**59-67-72
24	2800	2707F/44-53-59	2902F/49-56-62	2969F/49-56-62	3036F/50-56-62
			2846**53-61-66	2875**56-64-69	2904**60-67-72
22	2801	2715F/45-53-60	2911F/49-56-62	2979F/50-56-62	3045F/50-56-62
			2850**53-61-66	2880**57-64-69	2908**60-68-73

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 31 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2723F/45-53-60	2920F/49-56-62	2988F/50-56-62	3054F/50-56-62
			2855**54-62-67	2884**57-65-70	2912**60-68-73
18	2802	2731F/45-54-60	2929F/49-56-62	2997F/50-56-62	3064F/50-56-62
			2859**54-62-67	2889**57-65-70	2917**61-69-73
16	2802	2740F/45-54-60	2938F/49-56-62	3006F/50-56-62	3073F/50-56-62
			2864**55-62-68	2893**58-66-71	2921**61-69-74
14	2803	2748F/46-54-60	2947F/49-56-62	3015F/50-56-62	3083F/50-56-62
			2868**55-63-68	2898**58-66-71	2925**62-69-74
12	2803	2756F/46-54-61	2957F/49-56-62	3024F/50-56-62	3092F/50-56-62
			2873**55-63-68	2902**59-67-72	2930**62-70-75
10	2804	2765F/46-55-61	2966F/49-56-62	3034F/50-56-62	3102F/50-56-62
			2877**56-64-69	2906**59-67-72	2934**63-70-75
8	2805	2774F/46-55-61	2976F/49-56-62	3043F/50-56-62	3112F/50-56-62
			2882**56-64-69	2911**60-68-72	2938**63-71-75
6	2806	2782F/47-55-61	2986F/49-56-62	3053F/50-56-62	3122F/50-56-62
			2887**57-65-70	2916**60-68-73	2943**63-71-76
4	2806	2791F/47-55-61	2995F/49-56-62	3063F/50-56-62	3132F/50-56-62
			2892**57-65-70	2920**60-69-73	2947**64-72-76
2	2807	2800F/47-56-62	3004F/49-56-62	3072F/50-56-62	3142F/50-56-62
			2896**57-66-71	2925**61-69-74	2951**64-72-77
0	2807	2809F/47-56-62	3014F/49-56-62	3082F/50-56-62	3152F/50-56-62
		2808**48-56-62	2901**58-66-71	2929**61-69-74	2955**65-73-77
-2	2807	2818F/48-56-62	3023F/50-56-62	3092F/50-56-62	3162F/50-56-62
		2812**48-56-62	2905**58-67-72	2934**62-70-75	2960**65-73-78
-4	2807	2827F/48-56-62	3033F/50-56-62	3102F/50-56-62	3172F/50-56-62
		2817**48-57-63	2909**59-67-72	2938**62-70-75	2964**66-74-78
-6	2808	2836F/48-56-62	3042F/50-56-62	3112F/50-56-62	3175F/50-56-62
		2821**49-57-63	2914**59-68-72	2942**63-71-76	2968**66-74-79
-8	2808	2846F/48-56-62	3052F/50-56-62	3122F/50-56-62	3175F/50-56-62
		2826**49-58-64	2918**60-68-73	2946**63-71-76	2972**67-75-79
-10	2808	2855F/48-56-62	3062F/50-56-62	3132F/50-56-62	3175F/50-56-62
		2830**50-58-64	2922**60-69-73	2950**64-72-76	2976**67-75-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2368*/45-48-52	2433*/46-48-52	2454*/46-48-52	2474*/46-48-52
		2309**48-55-58	2362**57-64-67	2377**60-67-69	2388**63-70-72
58A	2302	2410*/46-50-53	2478*/47-50-53	2499*/47-50-53	2520*/48-50-53
		2350**48-56-59	2405**57-65-67	2420**60-68-70	2433**64-71-73
56A	2350	2446F/47-51-55	2523*/48-51-55	2545*/48-51-55	2567*/49-51-55
		2391**48-56-60	2448**58-65-68	2464**61-68-71	2479**64-71-74
54	2403	2480F/48-53-56	2574*/49-53-56	2597*/50-53-56	2619*/50-53-56
		2436**48-57-60	2496**58-66-69	2514**61-69-72	2529**64-72-74
52	2462	2517F/49-54-58	2630*/51-54-58	2654*/51-54-58	2678*/51-54-58
		2486**48-57-61	2550**58-66-69	2568**61-69-72	2584**65-72-75
50	2522	2554F/49-56-60	2687*/52-56-60	2713*/52-56-60	2738*/53-56-60
		2536**48-58-62	2602**58-67-70	2621**61-70-73	2639**65-73-76
48	2582	2592F/48-58-62	2746*/53-58-62	2772*/54-58-62	2798*/54-58-62
		2586**48-58-62	2655**58-67-71	2677**62-70-74	2696**65-73-77
46	2642	2629F/49-59-63	2803*/55-59-64	2830*/55-59-64	2857*/55-59-64
			2709**58-68-71	2732**62-71-74	2752**65-74-77
44	2706	2669F/49-60-65	2851F/56-61-66	2890*/56-61-66	2918*/57-61-66
			2765**58-68-72	2788**62-71-75	2810**65-74-78
42	2777	2709F/49-61-66	2894F/57-63-67	2955*/57-63-67	2985*/58-63-67
			2825**58-69-73	2850**62-72-76	2873**65-75-79
40	2848	2748F/49-62-67	2936F/58-65-69	3001F/59-65-69	3047*/59-65-69
			2885**58-69-73	2911**61-72-76	2935**65-75-79
38	2909	2782F/49-62-68	2973F/58-66-71	3037F/59-66-71	3100*/60-66-71
			2936**58-69-74	2963**61-72-77	2989**65-75-80
36	2962	2812F/49-63-69	3004F/58-67-72	3068F/60-67-72	3134F/61-67-72
			2981**58-69-74	3009**61-73-77	3036**65-76-80
34	3011	2841F/49-64-70	3034F/58-69-74	3099F/61-69-74	3165F/62-69-74
			3021**58-70-75	3051**61-73-78	3078**65-76-81
32	3053	2869F/50-64-70	3063F/58-70-75	3128F/62-70-75	3175F/63-70-75
			3058**58-70-75	3087**61-73-78	3116**65-77-81
30	3096	2897F/50-65-71	3091F/58-71-76	3157F/62-71-76	3175F/63-71-76
				3123**61-74-79	3153**65-77-82
28	3097	2906F/50-65-71	3100F/58-71-76	3166F/63-71-76	3175F/63-71-76
			3099**58-71-76	3129**62-74-79	3158**65-77-82
26	3099	2915F/50-65-72	3109F/59-71-76	3175F/63-71-76	3175F/63-71-76
			3104**59-71-77	3134**62-75-80	3163**66-78-83
24	3100	2924F/51-66-72	3119F/59-71-76	3175F/63-71-76	3175F/64-71-76
			3109**59-72-77	3139**63-75-80	3168**66-78-83
22	3101	2933F/51-66-72	3128F/60-71-76	3175F/63-71-76	3175F/64-71-76
			3114**59-72-78	3144**63-76-81	3173**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	2942F/51-66-72	3138F/60-71-76 3119**60-73-78	3175F/63-71-76 3149**64-76-81	3175F/64-71-76 3175**67-79-84
18	3104	2951F/51-66-72	3148F/61-71-76 3124**60-73-78	3175F/63-71-76 3154**64-76-81	3175F/64-71-76 3175**68-79-84
16	3105	2961F/52-67-73	3157F/61-71-77 3129**61-74-79	3175F/63-71-77 3159**64-77-82	3175F/64-71-77 3175**68-79-83
14	3107	2970F/52-67-73	3167F/62-71-77 3134**61-74-79	3175F/63-71-77 3165**65-77-82	3175F/64-71-77 3175**69-79-83
12	3109	2980F/52-67-73	3175F/62-71-77 3140**62-75-80	3175F/63-71-77 3170**65-78-83	3175F/64-71-77 3175**70-78-83
10	3110	2989F/53-68-73	3175F/63-71-77 3145**62-75-80	3175F/63-71-77 3175**66-78-83	3175F/64-71-77 3175**70-78-83
8	3111	2999F/53-68-74	3175F/63-71-77 3151**62-75-81	3175F/64-71-77 3175**66-78-83	3175F/64-71-77 3175**70-78-83
6	3113	3008F/53-68-74	3175F/63-71-77 3156**63-76-81	3175F/64-71-77 3175**67-78-83	3175F/64-71-77 3175**70-78-83
4	3113	3017F/54-68-74	3175F/63-71-77 3161**63-76-81	3175F/64-71-77 3175**67-78-83	3175F/64-71-77 3175**70-78-83
2	3114	3026F/54-69-74	3175F/63-71-77 3166**64-77-82	3175F/64-71-77 3175**68-78-83	3175F/65-71-77 3175**70-78-83
0	3115	3036F/54-69-75	3175F/63-71-77 3171**64-77-82	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-2	3115	3045F/54-69-75	3175F/63-71-77 3175**65-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-4	3116	3054F/55-70-75	3175F/63-71-77 3175**65-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-6	3116	3064F/55-70-75	3175F/63-71-77 3175**66-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-8	3117	3073F/55-70-76	3175F/63-71-77 3175**67-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-10	3117	3083F/56-70-76	3175F/63-71-77 3175**67-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2218*/47-47-50	2267*/46-48-52	2284*/46-48-52	2301*/46-48-52
		2264**55-58-61	2342**63-67-69	2364**65-69-71	2387**68-72-74
58A	2302	2261*/48-48-52	2311*/47-50-53	2329*/47-50-53	2346*/48-50-53
		2303**55-58-61	2385**64-67-69	2409**66-69-72	2432**68-71-74
56A	2350	2307*/49-49-53	2357*/48-51-55	2375*/48-51-55	2393*/49-51-55
		2344**56-58-62	2429**64-67-70	2455**67-70-73	2479**69-72-75
54	2403	2358*/51-51-55	2408*/49-53-56	2426*/50-53-56	2445*/50-53-56
		2389**56-60-63	2477**64-67-70	2504**67-70-73	2530**70-73-76
52	2462	2413*/52-53-57	2464*/51-54-58	2483*/51-54-58	2502*/51-54-58
		2439**56-61-65	2529**64-67-70	2559**67-70-73	2586**70-73-76
50	2522	2469*/54-54-59	2522*/53-56-60	2539*/52-56-60	2559*/53-56-60
		2488**56-62-66	2581**64-67-71	2611**67-70-73	2641**70-73-76
48	2582	2526*/56-56-60	2582*/55-58-62	2597*/54-58-62	2617*/54-58-62
		2538**56-62-66	2634**65-68-72	2666**67-70-74	2698**70-74-77
46	2642	2579*/56-57-62	2642*/58-59-64	2654*/55-59-64	2675*/55-59-64
		2588**56-63-67	2687**65-70-73	2720**68-71-75	2752**71-74-77
44	2706	2633*/56-59-64	2706*/60-61-66	2716*/56-61-66	2737*/57-61-66
		2641**55-64-69	2742**65-71-74	2776**68-72-76	2810**71-74-78
42	2777	2692*/55-60-65	2776*/63-63-67	2782*/57-63-67	2804*/58-63-67
		2698**55-64-69	2801**65-71-75	2836**68-73-77	2871**71-75-79
40	2848	2750*/55-62-67	2843*/64-64-69	2848*/59-65-69	2871*/59-65-69
		2755**55-65-70	2861**64-72-76	2897**67-74-78	2933**71-76-80
38	2909	2799*/55-63-68	2897*/65-66-71	2909*/61-66-71	2928*/60-66-71
		2802**55-65-70	2913**64-73-77	2949**67-75-79	2986**70-77-81
36	2962	2842*/54-64-69	2943*/64-67-72	2962*/63-67-72	2978*/61-67-72
		2843**54-65-70	2959**64-73-78	2996**67-76-80	3033**70-79-83
34	3011	2881B/54-65-71	2986*/64-68-73	3011*/65-69-74	3023*/62-69-74
			3000**64-74-79	3038**67-76-81	3075**70-79-84
32	3053	2908B/54-65-71	3023*/64-69-74	3053*/67-70-75	3063*/63-70-75
			3036**64-74-79	3075**67-77-82	3113**71-80-84
30	3096	2929B/53-66-72	3060*/64-70-75	3094*/68-71-76	3103*/63-71-76
			3072**64-75-80	3111**67-77-82	3150**71-80-85
28	3097	2939B/54-66-72	3064*/65-70-75	3097*/68-71-76	3106*/63-71-76
			3077**65-75-80	3116**68-78-83	3156**71-81-85
26	3099	2948B/54-66-72	3068*/65-70-76	3099*/68-71-76	3109*/63-71-76
			3082**65-75-81	3122**68-78-83	3160**72-81-86
24	3100	2957B/54-67-73	3072*/66-70-76	3100*/67-71-76	3112*/64-71-76
			3086**65-76-81	3126**69-79-84	3165**72-82-86
22	3101	2965B/55-67-73	3076*/66-70-76	3101*/67-71-76	3114*/64-71-76
			3091**66-76-81	3131**69-79-84	3170**73-82-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	2970B/55-67-73	3080*/67-70-76	3103*/67-71-76	3117*/64-71-76
			3096**66-77-82	3136**70-80-84	3175**73-82-86
18	3104	2974B/56-67-73	3084*/67-70-76	3104*/66-71-76	3120*/64-71-76
		2976**55-68-74	3101**67-77-82	3141**70-80-85	3175**74-79-84
16	3105	2978B/56-67-73	3088*/68-71-76	3105*/66-71-77	3123*/64-71-77
		2981**56-68-74	3107**67-78-83	3146**71-81-85	3175**73-79-83
14	3107	2983B/57-67-73	3092*/68-71-76	3107*/66-71-77	3126*/64-71-77
		2986**56-69-75	3112**68-78-83	3151**71-81-86	3175**72-79-83
12	3109	2987B/57-67-73	3096*/69-71-76	3109*/65-71-77	3129*/64-71-77
		2992**57-69-75	3117**68-79-84	3156**72-82-86	3175**72-78-83
10	3110	2992B/58-68-73	3100*/69-71-76	3110*/65-71-77	3132*/64-71-77
		2997**57-70-75	3122**69-79-84	3161**72-82-87	3175**71-78-83
8	3111	2996B/58-68-74	3104*/70-71-76	3111*/64-71-77	3135*/64-71-77
		3002**58-70-76	3127**69-80-85	3166**73-83-87	3175**70-78-83
6	3113	3000B/59-68-74	3107*/70-71-77	3113*/64-71-77	3137*/64-71-77
		3007**58-71-76	3132**70-80-85	3171**73-83-88	3175**70-78-83
4	3113	3004B/59-68-74	3110*/71-71-77	3114*/64-71-77	3140*/64-71-77
		3012**59-71-77	3136**70-81-86	3175**74-81-86	3175**70-78-83
2	3114	3008B/60-68-74	3113*/71-71-77	3116*/64-71-77	3142*/65-71-77
		3017**59-72-77	3141**71-81-86	3175**74-79-84	3175**70-78-83
0	3115	3012B/60-68-74	3115*/71-71-77	3118*/64-71-77	3144*/65-71-77
		3022**60-72-78	3145**71-82-87	3175**75-78-83	3175**70-78-83
-2	3115	3015B/61-68-74	3115*/71-71-77	3120*/64-71-77	3146*/65-71-77
		3026**60-73-78	3150**72-82-87	3175**74-78-83	3175**70-78-83
-4	3116	3019B/61-68-74	3116*/70-71-77	3123*/64-71-77	3148*/65-71-77
		3031**61-73-79	3154**72-83-88	3175**74-78-83	3175**70-78-83
-6	3116	3023B/62-69-74	3116*/70-71-77	3124*/64-71-77	3150*/65-71-77
		3036**62-74-79	3159**73-83-88	3175**73-78-83	3175**70-78-83
-8	3117	3026B/63-69-74	3117*/69-71-77	3126*/64-71-77	3152*/65-71-77
		3041**62-75-80	3164**73-84-88	3175**73-78-83	3175**70-78-83
-10	3117	3030B/63-69-75	3117*/69-71-77	3128*/64-71-77	3154*/65-71-77
		3045**63-75-80	3168**74-84-89	3175**72-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2376*/45-48-52	2441*/46-48-52	2461*/46-48-52	2480*/46-48-52
		2342**53-61-63	2387**62-70-72	2397**66-72-75	2397**67-72-75
58A	2302	2419*/46-50-53	2486*/47-50-53	2506*/47-50-53	2526*/48-50-53
		2384**53-61-64	2431**62-70-72	2443**66-73-75	2446**69-74-76
56A	2350	2463*/47-51-55	2531*/48-51-55	2553*/48-51-55	2574*/49-51-55
		2426**53-62-65	2476**63-71-73	2488**66-74-76	2496**69-76-78
54	2403	2512*/48-53-56	2583*/49-53-56	2605*/50-53-56	2627*/50-53-56
		2473**53-62-65	2525**63-71-74	2539**66-74-77	2550**69-77-80
52	2462	2565*/49-54-58	2639*/51-54-58	2663*/51-54-58	2686*/51-54-58
		2524**53-63-66	2580**63-72-74	2595**66-75-77	2607**70-78-80
50	2522	2617*/50-56-60	2697*/52-56-60	2722*/52-56-60	2746*/53-56-60
		2576**53-63-67	2635**63-72-75	2650**66-75-78	2665**70-78-81
48	2582	2671*/52-58-62	2756*/53-58-62	2782*/54-58-62	2807*/54-58-62
		2627**53-63-67	2691**63-72-76	2709**66-76-79	2725**70-79-82
46	2642	2725*/53-59-64	2813*/55-59-64	2840*/55-59-64	2867*/55-59-64
		2679**53-64-68	2746**63-73-76	2766**66-76-79	2783**70-79-82
44	2706	2772F/54-61-66	2872*/56-61-66	2901*/56-61-66	2928*/57-61-66
		2734**53-64-69	2804**63-73-77	2824**66-77-80	2842**70-80-83
42	2777	2814F/53-63-67	2935*/57-63-67	2966*/57-63-67	2995*/58-63-67
		2793**53-65-69	2866**63-74-78	2887**66-77-81	2907**70-80-84
40	2848	2855F/52-65-69	2997*/58-65-69	3028*/59-65-69	3058*/59-65-69
		2851**52-65-70	2928**63-74-78	2951**66-77-81	2972**70-80-84
38	2909	2890F/52-66-71	3048*/59-66-71	3080*/59-66-71	3112*/60-66-71
			2981**62-74-79	3005**66-78-82	3028**69-81-85
36	2962	2922F/52-66-71	3093*/60-67-72	3127*/60-67-72	3159*/61-67-72
			3027**62-75-79	3053**66-78-82	3078**69-81-85
34	3011	2949B/52-67-72	3135*/60-69-74	3169*/61-69-74	3175F/62-69-74
			3069**62-75-80	3097**66-78-83	3122**69-81-86
32	3053	2972B/52-67-73	3171F/61-70-75	3175F/62-70-75	3175F/63-70-75
			3106**62-75-80	3134**66-79-83	3160**70-82-86
30	3096	2994B/51-68-73	3175F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3143**62-76-81	3171**66-79-84	3175**70-79-84
28	3097	3003B/52-68-74	3175F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3148**63-76-81	3175**67-79-84	3175**70-79-84
26	3099	3012B/52-68-74	3175F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3153**63-77-82	3175**67-79-84	3175**70-79-84
24	3100	3021B/52-69-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3158**64-77-82	3175**68-79-84	3175**70-79-84
22	3101	3030B/53-69-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3163**64-78-83	3175**68-79-84	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	3040B/53-69-75	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3168**65-78-83	3175**69-79-84	3175**70-79-84
18	3104	3049B/53-69-75	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3173**65-79-83	3175**69-79-84	3175**70-79-84
16	3105	3058B/54-70-75	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3175**66-79-83	3175**69-79-83	3175**70-79-83
14	3107	3068B/54-70-76	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3175**66-79-83	3175**69-79-83	3175**70-79-83
12	3109	3078B/54-70-76	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83
10	3110	3087B/55-71-76	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83
8	3111	3097B/55-71-76	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
6	3113	3107B/55-71-77	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
4	3113	3113B/56-71-77	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
		3115**56-72-77	3175**68-78-83	3175**69-78-83	3175**70-78-83
2	3114	3114B/56-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3120**56-72-77	3175**68-78-83	3175**69-78-83	3175**70-78-83
0	3115	3115B/57-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3125**57-73-78	3175**68-78-83	3175**69-78-83	3175**70-78-83
-2	3115	3115B/58-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3130**57-73-78	3175**68-78-83	3175**69-78-83	3175**70-78-83
-4	3116	3116B/58-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3135**58-73-79	3175**68-78-83	3175**69-78-83	3175**70-78-83
-6	3116	3116B/59-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3141**58-74-79	3175**68-78-83	3175**69-78-83	3175**70-78-83
-8	3117	3117B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3146**59-75-80	3175**68-78-83	3175**69-78-83	3175**70-78-83
-10	3117	3117B/61-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3151**59-75-80	3175**68-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2279*/45-48-52	2330*/46-48-52	2346*/46-48-52	2363*/46-48-52
		2304**48-56-59	2362**57-64-67	2377**60-67-69	2388**63-70-72
58A	2302	2324*/46-50-53	2375*/47-50-53	2392*/47-50-53	2409*/48-50-53
		2344**48-56-59	2405**57-65-67	2420**60-68-70	2433**64-71-73
56A	2350	2370*/47-51-55	2422*/48-51-55	2439*/48-51-55	2456*/49-51-55
		2385**48-57-60	2448**58-65-68	2464**61-68-71	2479**64-71-74
54	2403	2420*/48-53-56	2475*/49-53-56	2492*/50-53-56	2510*/50-53-56
		2430**49-57-61	2496**58-66-69	2514**61-69-72	2529**64-72-74
52	2462	2475*/49-54-58	2532*/51-54-58	2550*/51-54-58	2568*/51-54-58
		2480**49-58-61	2550**58-66-69	2568**61-69-72	2584**65-72-75
50	2522	2526*/49-56-60	2590*/52-56-60	2608*/52-56-60	2627*/53-56-60
		2530**49-58-62	2602**58-67-70	2621**61-70-73	2639**65-73-76
48	2582	2578*/49-58-62	2649*/53-58-62	2668*/54-58-62	2688*/54-58-62
		2580**49-58-63	2655**58-67-71	2677**62-70-74	2696**65-73-77
46	2642	2629F/49-59-63	2708*/55-59-64	2728*/55-59-64	2748*/55-59-64
			2709**58-68-71	2732**62-71-74	2752**65-74-77
44	2706	2669F/49-60-65	2769*/56-61-66	2791*/56-61-66	2811*/57-61-66
			2765**58-68-72	2788**62-71-75	2810**65-74-78
42	2777	2709F/49-61-66	2837*/57-63-67	2859*/57-63-67	2880*/58-63-67
			2825**58-69-73	2850**62-72-76	2873**65-75-79
40	2848	2748F/49-62-67	2904*/58-65-69	2926*/59-65-69	2949*/59-65-69
			2885**58-69-73	2911**61-72-76	2935**65-75-79
38	2909	2782F/49-62-68	2959*/58-66-71	2984*/59-66-71	3007*/60-66-71
			2936**58-69-74	2963**61-72-77	2989**65-75-80
36	2962	2812F/49-63-69	3004F/58-67-72	3034*/60-67-72	3058*/61-67-72
			2981**58-69-74	3009**61-73-77	3036**65-76-80
34	3011	2841F/49-64-70	3034F/58-69-74	3080*/61-69-74	3104*/62-69-74
			3021**58-70-75	3051**61-73-78	3078**65-76-81
32	3053	2869F/50-64-70	3063F/58-70-75	3121*/62-70-75	3145*/63-70-75
			3058**58-70-75	3087**61-73-78	3116**65-77-81
30	3096	2897F/50-65-71	3091F/58-71-76	3157F/62-71-76	3175F/63-71-76
				3123**61-74-79	3153**65-77-82
28	3097	2906F/50-65-71	3100F/58-71-76	3164*/63-71-76	3175F/63-71-76
			3099**58-71-76	3129**62-74-79	3158**65-77-82
26	3099	2915F/50-65-72	3109F/59-71-76	3167*/63-71-76	3175F/63-71-76
			3104**59-71-77	3134**62-75-80	3163**66-78-83
24	3100	2924F/51-66-72	3119F/59-71-76	3170*/63-71-76	3175F/64-71-76
			3109**59-72-77	3139**63-75-80	3168**66-78-83
22	3101	2933F/51-66-72	3128F/60-71-76	3173*/63-71-76	3175F/64-71-76
			3114**59-72-78	3144**63-76-81	3173**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	2942F/51-66-72	3138F/60-71-76	3175F/63-71-76	3175F/64-71-76
			3119**60-73-78	3149**64-76-81	3175**67-79-84
18	3104	2951F/51-66-72	3148F/61-71-76	3175F/63-71-76	3175F/64-71-76
			3124**60-73-78	3154**64-76-81	3175**68-79-84
16	3105	2961F/52-67-73	3153*/61-71-77	3175F/63-71-77	3175F/64-71-77
			3129**61-74-79	3159**64-77-82	3175**68-79-83
14	3107	2970F/52-67-73	3158*/62-71-77	3175F/63-71-77	3175F/64-71-77
			3134**61-74-79	3165**65-77-82	3175**69-79-83
12	3109	2980F/52-67-73	3163*/62-71-77	3175F/63-71-77	3175F/64-71-77
			3140**62-75-80	3170**65-78-83	3175**70-78-83
10	3110	2989F/53-68-73	3167*/63-71-77	3175F/63-71-77	3175F/64-71-77
			3145**62-75-80	3175**66-78-83	3175**70-78-83
8	3111	2999F/53-68-74	3170*/63-71-77	3175F/64-71-77	3175F/64-71-77
			3151**62-75-81	3175**66-78-83	3175**70-78-83
6	3113	3008F/53-68-74	3173*/63-71-77	3175F/64-71-77	3175F/64-71-77
			3156**63-76-81	3175**67-78-83	3175**70-78-83
4	3113	3017F/54-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3161**63-76-81	3175**67-78-83	3175**70-78-83
2	3114	3026F/54-69-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3166**64-77-82	3175**68-78-83	3175**70-78-83
0	3115	3036F/54-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3171**64-77-82	3175**69-78-83	3175**70-78-83
-2	3115	3045F/54-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**65-78-83	3175**69-78-83	3175**70-78-83
-4	3116	3054F/55-70-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**65-78-83	3175**69-78-83	3175**70-78-83
-6	3116	3064F/55-70-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**66-78-83	3175**69-78-83	3175**70-78-83
-8	3117	3073F/55-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83
-10	3117	3083F/56-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2324*/35-38-43	2374*/36-38-43	2389*/37-38-43	2391*/37-38-43
		2287**48-56-59	2298**53-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2368*/36-40-44	2420*/37-40-44	2435*/38-40-44	2440*/38-40-44
		2328**48-57-60	2345**54-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2414*/37-41-46	2468*/38-41-46	2484*/39-41-46	2493*/39-41-46
		2370**48-57-60	2393**56-62-65	2393**56-62-65	2393**56-62-65
54	2311	2464*/39-43-47	2520*/40-43-47	2537*/40-43-47	2550*/40-43-47
		2417**48-58-61	2448**57-63-66	2448**57-63-66	2448**58-63-66
52	2369	2520*/40-44-49	2579*/41-44-49	2596*/41-44-49	2612*/41-44-49
		2468**48-58-62	2509**59-65-68	2509**59-65-68	2509**59-65-68
50	2426	2575*/41-46-51	2636*/42-46-51	2655*/42-46-51	2673*/43-46-51
		2518**48-58-62	2570**58-67-70	2570**60-67-70	2570**61-67-70
48	2485	2631*/42-47-53	2697*/43-47-53	2717*/44-47-53	2736*/44-47-53
		2570**48-59-63	2628**58-68-72	2632**62-69-72	2632**62-69-72
46	2543	2687*/43-49-54	2756*/44-49-54	2777*/45-49-54	2797*/45-49-54
		2620**48-59-64	2683**58-68-72	2696**62-71-74	2696**64-71-74
44	2604	2746*/44-51-56	2819*/46-51-56	2840*/46-51-56	2861*/46-51-56
		2674**48-60-64	2740**58-69-73	2760**62-72-76	2762**65-72-76
42	2672	2808*/45-52-58	2886*/47-52-58	2909*/47-52-58	2931*/48-52-58
		2733**48-60-65	2803**58-69-73	2823**62-72-76	2836**65-74-78
40	2740	2861F/46-54-60	2953*/48-54-60	2977*/49-54-60	3000*/49-54-60
		2791**48-60-65	2865**58-69-74	2887**61-73-77	2907**65-76-80
38	2797	2896F/47-55-61	3008*/49-55-61	3032*/50-55-61	3056*/50-55-61
		2840**47-60-66	2918**58-70-74	2941**61-73-77	2963**65-76-80
36	2846	2927F/48-57-63	3054*/50-57-63	3080*/50-57-63	3105*/51-57-63
		2881**47-60-66	2964**58-70-75	2989**61-73-78	3012**65-76-81
34	2891	2957F/48-58-64	3096*/51-58-64	3124*/51-58-64	3150*/52-58-64
		2920**47-61-67	3006**58-70-75	3031**61-73-78	3056**65-77-81
32	2932	2986F/48-59-65	3134*/51-59-65	3163*/52-59-65	3175F/52-59-65
		2956**47-61-67	3042**58-71-76	3069**61-74-79	3094**65-77-82
30	2972	3013F/48-60-66	3172*/52-60-66	3175F/52-60-66	3175F/53-60-66
		2991**47-61-68	3078**58-71-76	3106**61-74-79	3131**65-78-82
28	2974	3022F/48-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2996**48-62-68	3083**58-72-77	3111**62-75-80	3136**66-78-83
26	2975	3031F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3001**48-62-68	3088**59-72-77	3115**62-75-80	3141**66-78-83
24	2976	3040F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3006**48-63-69	3093**59-72-78	3120**63-76-81	3145**66-79-84
22	2978	3049F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3011**49-63-69	3097**60-73-78	3124**63-76-81	3150**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	3058F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3015**49-64-69	3102**60-73-78	3129**64-77-81	3155**67-80-85
18	2980	3067F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3020**49-64-70	3107**60-74-79	3134**64-77-82	3159**68-80-85
16	2981	3076F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3025**50-64-70	3112**61-74-79	3138**65-77-82	3163**68-81-86
14	2983	3086F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3030**50-65-71	3117**61-75-80	3143**65-78-83	3168**69-81-86
12	2985	3095F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3036**51-65-71	3122**62-75-80	3148**65-78-83	3173**69-82-86
10	2986	3105F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3041**51-66-71	3127**62-76-81	3153**66-79-84	3175**70-82-87
8	2987	3114F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3046**51-66-72	3132**63-76-81	3158**66-79-84	3175**70-82-86
6	2988	3124F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3051**52-67-72	3136**63-77-81	3163**67-80-85	3175**71-82-86
4	2989	3133F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3055**52-67-73	3141**64-77-82	3167**67-80-85	3175**72-82-86
2	2990	3138*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3060**53-67-73	3145**64-77-82	3171**68-81-86	3175**72-81-86
0	2991	3142*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3064**53-68-73	3150**65-78-83	3175**68-81-86	3175**72-81-86
-2	2991	3146*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3069**54-68-74	3154**65-78-83	3175**69-81-86	3175**72-81-86
-4	2992	3149*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3074**54-69-74	3158**65-79-84	3175**70-81-86	3175**72-81-86
-6	2992	3153*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3078**55-69-75	3163**66-79-84	3175**70-81-86	3175**72-81-86
-8	2993	3157*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3083**55-70-75	3167**66-80-85	3175**71-81-86	3175**72-81-86
-10	2993	3160*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3087**55-70-76	3171**67-81-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2152*/38-38-42	2197*/36-38-43	2213*/37-38-43	2229*/37-38-43
		2233**52-56-59	2294**55-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2195*/39-39-44	2240*/37-40-44	2257*/38-40-44	2273*/38-40-44
		2277**53-57-60	2339**56-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2241*/40-40-45	2287*/38-41-46	2303*/39-41-46	2320*/39-41-46
		2322**55-59-62	2385**57-61-64	2393**56-62-65	2393**56-62-65
54	2311	2291*/42-42-47	2337*/40-43-47	2354*/40-43-47	2371*/40-43-47
		2370**56-59-63	2437**59-63-66	2448**57-63-66	2448**58-63-66
52	2369	2346*/43-43-48	2392*/41-44-49	2410*/41-44-49	2427*/41-44-49
		2420**56-59-63	2494**61-65-68	2509**60-65-68	2509**59-65-68
50	2426	2401*/45-45-50	2448*/42-46-51	2466*/42-46-51	2483*/43-46-51
		2470**56-60-64	2551**62-66-70	2570**62-67-70	2570**61-67-70
48	2485	2458*/47-47-52	2504*/43-47-53	2523*/44-47-53	2541*/44-47-53
		2521**56-61-65	2609**64-68-72	2632**65-69-72	2632**62-69-72
46	2543	2513*/48-48-54	2560*/44-49-54	2579*/45-49-54	2598*/45-49-54
		2571**56-62-66	2664**65-69-72	2692**67-71-74	2696**64-71-74
44	2604	2573*/50-50-55	2620*/46-51-56	2639*/46-51-56	2659*/46-51-56
		2623**56-63-67	2721**65-69-73	2754**68-72-75	2762**65-72-76
42	2672	2636*/51-51-57	2685*/47-52-58	2705*/47-52-58	2725*/48-52-58
		2681**55-63-68	2782**65-69-73	2816**68-71-75	2836**68-74-78
40	2740	2699*/53-53-59	2749*/48-54-60	2770*/49-54-60	2791*/49-54-60
		2739**55-64-69	2843**64-71-75	2878**67-72-76	2911**71-76-80
38	2797	2752*/54-54-60	2803*/49-55-61	2824*/50-55-61	2845*/50-55-61
		2787**55-65-70	2895**64-72-76	2930**67-73-78	2965**71-76-81
36	2846	2798*/55-55-62	2849*/50-57-63	2871*/50-57-63	2893*/51-57-63
		2830**54-66-71	2941**64-73-77	2978**67-75-79	3013**70-76-81
34	2891	2840*/55-56-63	2892*/51-58-64	2915*/51-58-64	2937*/52-58-64
		2869**54-66-72	2983**64-74-78	3020**67-76-80	3056**71-77-81
32	2932	2877*/55-57-64	2932*/51-59-65	2954*/52-59-65	2977*/52-59-65
		2905**54-67-72	3019**64-73-78	3057**67-76-81	3094**71-78-83
30	2972	2912B/55-58-64	2972*/53-60-66	2993*/52-60-66	3016*/53-60-66
		2939**54-67-72	3056**64-75-80	3093**68-77-82	3131**71-79-84
28	2974	2916B/55-58-65	2974*/52-60-66	2996*/53-60-66	3018*/53-60-66
		2944**55-67-73	3060**65-75-80	3098**68-78-83	3136**71-79-84
26	2975	2919B/56-58-65	2975*/52-60-66	2998*/53-60-66	3021*/53-60-66
		2949**55-68-73	3065**65-76-81	3103**68-78-83	3141**72-79-84
24	2976	2923B/56-58-65	2977*/52-60-66	3001*/53-60-66	3023*/53-60-66
		2954**56-68-74	3070**66-76-81	3108**69-78-83	3146**72-79-84
22	2978	2926*/57-58-65	2980*/52-60-66	3003*/53-60-66	3025*/53-60-66
		2959**56-69-74	3074**66-76-81	3112**69-78-83	3150**73-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	2929*/57-58-65	2982*/52-60-66	3005*/53-60-66	3028*/53-60-66
		2964**56-69-75	3079**67-77-82	3117**70-78-83	3155**73-80-85
18	2980	2932*/58-58-65	2984*/52-60-66	3007*/53-60-66	3030*/53-60-66
		2969**57-70-75	3084**67-77-82	3122**70-79-84	3160**74-80-85
16	2981	2935*/58-58-65	2987*/52-60-66	3010*/53-60-66	3032*/53-60-66
		2974**57-70-75	3088**67-77-82	3126**71-79-83	3164**74-81-86
14	2983	2937*/58-59-65	2989*/52-60-66	3012*/53-60-66	3035*/53-60-66
		2978**58-71-76	3093**68-78-83	3131**71-79-84	3169**75-81-86
12	2985	2940*/58-59-65	2992*/52-60-66	3015*/53-60-66	3037*/53-60-66
		2983**58-71-76	3098**68-78-83	3136**72-79-84	3174**75-82-87
10	2986	2942*/58-59-65	2994*/52-60-66	3017*/53-60-66	3040*/53-60-66
		2988**59-71-76	3103**69-78-83	3141**72-79-84	3175**75-82-87
8	2987	2944*/59-59-65	2997*/53-60-66	3019*/53-60-66	3042*/54-60-66
		2992**59-72-77	3108**69-78-83	3146**73-80-85	3175**74-82-86
6	2988	2946*/59-59-65	2999*/53-60-66	3022*/53-60-66	3044*/54-60-66
		2997**59-72-77	3112**70-78-83	3150**73-80-85	3175**73-82-86
4	2989	2948*/59-59-65	3001*/53-60-66	3023*/53-60-66	3046*/54-60-66
		3001**60-73-78	3117**70-78-83	3155**74-81-86	3175**73-82-86
2	2990	2950*/59-59-65	3002*/53-60-66	3025*/53-60-66	3048*/54-60-66
		3005**60-73-78	3121**71-79-84	3159**74-81-86	3175**72-81-86
0	2991	2951*/59-59-65	3004*/53-60-66	3027*/53-60-66	3049*/54-60-66
		3009**61-74-79	3125**71-79-84	3164**75-82-87	3175**72-81-86
-2	2991	2952*/59-59-65	3006*/53-60-66	3028*/53-60-66	3051*/54-60-66
		3013**61-74-79	3129**72-79-84	3168**75-82-87	3175**72-81-86
-4	2992	2954*/59-59-65	3007*/53-60-66	3030*/53-60-66	3053*/54-60-66
		3017**62-75-80	3134**72-80-84	3172**76-83-88	3175**72-81-86
-6	2992	2955*/59-59-66	3009*/53-60-66	3031*/53-60-66	3054*/54-60-66
		3021**62-75-80	3138**73-80-85	3175**76-81-86	3175**72-81-86
-8	2993	2956*/59-59-66	3010*/53-60-66	3033*/53-60-66	3055*/54-60-66
		3025**63-75-80	3142**73-81-86	3175**76-81-86	3175**72-81-86
-10	2993	2958*/59-59-66	3011*/53-60-66	3034*/53-60-66	3057*/54-60-66
		3030**63-76-81	3146**74-82-86	3175**75-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2330*/35-38-43	2378*/36-38-43	2391*/37-38-43	2391*/37-38-43
		2298**52-58-61	2298**53-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2374*/36-40-44	2425*/37-40-44	2440*/38-40-44	2440*/38-40-44
		2345**53-60-63	2345**54-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2421*/37-41-46	2473*/38-41-46	2488*/39-41-46	2493*/39-41-46
		2393**53-62-65	2393**56-62-65	2393**56-62-65	2393**56-62-65
54	2311	2471*/39-43-47	2526*/40-43-47	2542*/40-43-47	2550*/40-43-47
		2447**53-63-66	2448**57-63-66	2448**57-63-66	2448**58-63-66
52	2369	2527*/40-44-49	2584*/41-44-49	2602*/41-44-49	2612*/41-44-49
		2500**53-63-67	2509**59-65-68	2509**59-65-68	2509**59-65-68
50	2426	2583*/41-46-51	2643*/42-46-51	2661*/42-46-51	2676*/43-46-51
		2552**53-64-67	2570**60-67-70	2570**60-67-70	2570**61-67-70
48	2485	2639*/42-47-53	2704*/43-47-53	2723*/44-47-53	2741*/44-47-53
		2605**53-64-68	2632**61-69-72	2632**62-69-72	2632**62-69-72
46	2543	2696*/43-49-54	2763*/44-49-54	2784*/45-49-54	2802*/45-49-54
		2658**53-65-69	2696**63-71-74	2696**63-71-74	2696**64-71-74
44	2604	2755*/44-51-56	2826*/46-51-56	2847*/46-51-56	2867*/46-51-56
		2714**53-65-69	2762**64-72-76	2762**64-72-76	2762**65-72-76
42	2672	2818*/45-52-58	2894*/47-52-58	2917*/47-52-58	2937*/48-52-58
		2776**53-65-70	2836**63-74-78	2836**66-74-78	2836**66-74-78
40	2740	2880*/46-54-60	2962*/48-54-60	2985*/49-54-60	3007*/49-54-60
		2835**52-65-70	2901**63-75-79	2911**67-76-80	2911**68-76-80
38	2797	2932*/47-55-61	3017*/49-55-61	3041*/50-55-61	3063*/50-55-61
		2885**52-66-71	2956**63-75-79	2976**66-78-82	2976**69-78-82
36	2846	2977*/48-57-63	3064*/50-57-63	3089*/50-57-63	3113*/51-57-63
		2930**52-66-71	3005**62-75-80	3026**66-78-83	3035**70-80-84
34	2891	3017*/48-58-64	3106*/51-58-64	3133*/51-58-64	3158*/52-58-64
		2970**52-66-71	3048**62-76-80	3071**66-79-83	3086**70-81-86
32	2932	3053*/49-59-65	3145*/51-59-65	3173*/52-59-65	3175F/52-59-65
		3006**52-67-72	3086**63-76-81	3109**66-79-84	3131**70-82-87
30	2972	3088*/49-60-66	3175F/52-60-66	3175F/52-60-66	3175F/53-60-66
		3039**51-67-72	3123**63-76-81	3148**66-80-84	3170**70-83-88
28	2974	3093*/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3044**52-67-73	3128**63-77-82	3152**67-80-85	3175**70-83-88
26	2975	3097*/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3049**52-67-73	3132**64-77-82	3157**67-81-85	3175**71-83-88
24	2976	3102*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3054**52-68-73	3137**64-78-83	3161**68-81-86	3175**72-83-88
22	2978	3106*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3059**53-68-74	3141**64-78-83	3165**68-82-86	3175**72-83-88

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	3111*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3064**53-69-74	3146**65-79-84	3170**69-82-87	3175**72-83-87
18	2980	3115*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3069**54-69-75	3151**65-79-84	3174**69-82-87	3175**72-83-87
16	2981	3119*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3074**54-70-75	3155**66-80-84	3175**70-82-87	3175**72-82-87
14	2983	3124*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3079**55-70-76	3160**66-80-85	3175**70-82-87	3175**72-82-87
12	2985	3129*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3085**55-71-76	3165**67-81-85	3175**71-82-87	3175**72-82-87
10	2986	3133*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3090**56-71-76	3169**67-81-86	3175**71-82-87	3175**72-82-87
8	2987	3137*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3095**56-72-77	3174**68-82-86	3175**71-82-86	3175**72-82-86
6	2988	3142*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3100**57-72-77	3175**68-82-86	3175**71-82-86	3175**72-82-86
4	2989	3146*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3105**57-73-78	3175**69-82-86	3175**71-82-86	3175**72-82-86
2	2990	3150*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3109**58-73-78	3175**69-81-86	3175**71-81-86	3175**72-81-86
0	2991	3153*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3114**58-74-79	3175**70-81-86	3175**71-81-86	3175**72-81-86
-2	2991	3157*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3118**59-74-79	3175**70-81-86	3175**71-81-86	3175**72-81-86
-4	2992	3161*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3123**59-74-80	3175**70-81-86	3175**71-81-86	3175**72-81-86
-6	2992	3164*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3127**60-75-80	3175**70-81-86	3175**71-81-86	3175**72-81-86
-8	2993	3168*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3132**60-75-80	3175**70-81-86	3175**71-81-86	3175**72-81-86
-10	2993	3171*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3136**60-76-81	3175**70-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2211*/35-38-43	2256*/36-38-43	2271*/37-38-43	2286*/37-38-43
		2285**48-56-59	2298**53-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2255*/36-40-44	2301*/37-40-44	2316*/38-40-44	2331*/38-40-44
		2326**48-56-59	2345**54-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2301*/37-41-46	2348*/38-41-46	2364*/39-41-46	2379*/39-41-46
		2368**48-57-60	2393**56-62-65	2393**56-62-65	2393**56-62-65
54	2311	2351*/39-43-47	2400*/40-43-47	2416*/40-43-47	2431*/40-43-47
		2414**48-58-61	2448**57-63-66	2448**57-63-66	2448**58-63-66
52	2369	2407*/40-44-49	2457*/41-44-49	2473*/41-44-49	2489*/41-44-49
		2465**48-58-62	2509**59-65-68	2509**59-65-68	2509**59-65-68
50	2426	2463*/41-46-51	2514*/42-46-51	2531*/42-46-51	2547*/43-46-51
		2515**48-59-62	2570**58-67-70	2570**60-67-70	2570**61-67-70
48	2485	2520*/42-47-53	2572*/43-47-53	2589*/44-47-53	2606*/44-47-53
		2567**48-59-63	2628**58-68-72	2632**62-69-72	2632**62-69-72
46	2543	2576*/43-49-54	2630*/44-49-54	2648*/45-49-54	2665*/45-49-54
		2617**48-59-64	2683**58-68-72	2696**62-71-74	2696**64-71-74
44	2604	2635*/44-51-56	2692*/46-51-56	2711*/46-51-56	2729*/46-51-56
		2670**48-60-64	2740**58-69-73	2760**62-72-76	2762**65-72-76
42	2672	2700*/45-52-58	2760*/47-52-58	2779*/47-52-58	2797*/48-52-58
		2729**48-60-65	2803**58-69-73	2823**62-72-76	2836**65-74-78
40	2740	2764*/46-54-60	2826*/48-54-60	2846*/49-54-60	2865*/49-54-60
		2786**48-60-65	2865**58-69-74	2887**61-73-77	2907**65-76-80
38	2797	2817*/47-55-61	2882*/49-55-61	2902*/50-55-61	2922*/50-55-61
		2834**47-60-66	2918**58-70-74	2941**61-73-77	2963**65-76-80
36	2846	2863*/48-57-63	2930*/50-57-63	2951*/50-57-63	2971*/51-57-63
		2876**47-61-66	2964**58-70-75	2989**61-73-78	3012**65-76-81
34	2891	2905*/48-58-64	2974*/51-58-64	2996*/51-58-64	3016*/52-58-64
		2915**47-61-67	3006**58-70-75	3031**61-73-78	3056**65-77-81
32	2932	2942*/48-59-65	3014*/51-59-65	3036*/52-59-65	3056*/52-59-65
		2950**47-61-67	3042**58-71-76	3069**61-74-79	3094**65-77-82
30	2972	2978*/48-60-66	3053*/52-60-66	3075*/52-60-66	3096*/53-60-66
		2986**47-62-68	3078**58-71-76	3106**61-74-79	3131**65-78-82
28	2974	2982*/48-60-66	3055*/52-60-66	3077*/53-60-66	3099*/53-60-66
		2991**48-62-68	3083**58-72-77	3111**62-75-80	3136**66-78-83
26	2975	2986*/49-60-66	3058*/52-60-66	3080*/53-60-66	3101*/53-60-66
		2995**48-63-69	3088**59-72-77	3115**62-75-80	3141**66-78-83
24	2976	2990*/49-60-66	3060*/52-60-66	3082*/53-60-66	3104*/53-60-66
		3000**48-63-69	3093**59-72-78	3120**63-76-81	3145**66-79-84
22	2978	2993*/50-60-66	3063*/52-60-66	3085*/53-60-66	3106*/53-60-66
		3005**49-63-69	3097**60-73-78	3124**63-76-81	3150**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	2996*/50-60-66	3065*/52-60-66	3087*/53-60-66	3108*/53-60-66
		3010**49-64-70	3102**60-73-78	3129**64-77-81	3155**67-80-85
18	2980	2999*/50-60-66	3068*/52-60-66	3090*/53-60-66	3111*/53-60-66
		3015**50-64-70	3107**60-74-79	3134**64-77-82	3159**68-80-85
16	2981	3001*/50-60-66	3070*/52-60-66	3092*/53-60-66	3113*/53-60-66
		3020**50-65-70	3112**61-74-79	3138**65-77-82	3163**68-81-86
14	2983	3004*/50-60-66	3073*/52-60-66	3094*/53-60-66	3116*/53-60-66
		3025**50-65-71	3117**61-75-80	3143**65-78-83	3168**69-81-86
12	2985	3007*/50-60-66	3076*/52-60-66	3097*/53-60-66	3118*/53-60-66
		3030**51-65-71	3122**62-75-80	3148**65-78-83	3173**69-82-86
10	2986	3009*/50-60-66	3078*/52-60-66	3100*/53-60-66	3121*/53-60-66
		3035**51-66-72	3127**62-76-81	3153**66-79-84	3175**70-82-87
8	2987	3012*/50-60-66	3081*/53-60-66	3102*/53-60-66	3123*/54-60-66
		3040**52-66-72	3132**63-76-81	3158**66-79-84	3175**70-82-86
6	2988	3014*/50-60-66	3083*/53-60-66	3104*/53-60-66	3126*/54-60-66
		3045**52-67-72	3136**63-77-81	3163**67-80-85	3175**71-82-86
4	2989	3016*/50-60-66	3085*/53-60-66	3106*/53-60-66	3127*/54-60-66
		3049**52-67-73	3141**64-77-82	3167**67-80-85	3175**72-82-86
2	2990	3018*/50-60-66	3087*/53-60-66	3108*/53-60-66	3129*/54-60-66
		3054**53-68-73	3145**64-77-82	3171**68-81-86	3175**72-81-86
0	2991	3020*/50-60-66	3089*/53-60-66	3110*/53-60-66	3131*/54-60-66
		3059**53-68-74	3150**65-78-83	3175**68-81-86	3175**72-81-86
-2	2991	3022*/51-60-66	3090*/53-60-66	3112*/53-60-66	3133*/54-60-66
		3064**54-69-74	3154**65-78-83	3175**69-81-86	3175**72-81-86
-4	2992	3024*/51-60-66	3092*/53-60-66	3113*/53-60-66	3134*/54-60-66
		3068**54-69-75	3158**65-79-84	3175**70-81-86	3175**72-81-86
-6	2992	3025*/51-60-66	3093*/53-60-66	3115*/53-60-66	3136*/54-60-66
		3073**55-69-75	3163**66-79-84	3175**70-81-86	3175**72-81-86
-8	2993	3027*/51-60-66	3095*/53-60-66	3116*/53-60-66	3137*/54-60-66
		3078**55-70-75	3167**66-80-85	3175**71-81-86	3175**72-81-86
-10	2993	3028*/51-60-66	3096*/53-60-66	3118*/53-60-66	3139*/54-60-66
		3082**56-70-76	3171**67-81-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2186F/40-42-45	2327F/41-42-45	2376F/41-42-45	2426F/41-42-45
		2120**46-50-52	2168**55-59-61	2181**58-61-63	2191**61-64-66
58A	2110	2216F/41-44-47	2358F/42-44-47	2408F/42-44-47	2459F/43-44-47
		2157**47-50-53	2208**55-59-61	2221**58-62-64	2232**61-65-67
56A	2155	2247F/42-45-48	2391F/43-45-48	2441F/43-45-48	2493F/44-45-48
		2196**47-51-54	2249**56-60-62	2263**58-63-65	2275**61-65-68
54A	2203	2277F/43-47-50	2425F/44-47-50	2475F/45-47-50	2528F/45-47-50
		2236**47-51-54	2292**56-60-63	2307**59-63-65	2320**62-66-68
52A	2250	2308F/45-48-51	2458F/45-48-51	2510F/46-48-51	2562F/46-48-51
		2276**47-52-55	2335**56-61-63	2351**59-64-66	2365**62-66-69
50A	2297	2338F/46-49-53	2491F/47-49-53	2543F/47-49-53	2597F/47-49-53
		2316**47-52-55	2378**56-61-64	2395**59-64-67	2410**62-67-69
48	2350	2371F/47-51-55	2526F/48-51-55	2579F/48-51-55	2634F/48-51-55
		2360**48-52-56	2424**57-61-64	2443**60-64-67	2459**63-67-70
46	2404	2406F/48-53-56	2563F/49-53-56	2617F/49-53-56	2674F/50-53-56
			2472**57-62-65	2492**60-65-68	2510**63-68-71
44	2462	2442F/48-54-58	2600F/50-54-58	2656F/51-54-58	2714F/51-54-58
			2521**57-62-66	2543**60-65-69	2561**63-68-71
42	2523	2476F/48-55-59	2637F/52-56-60	2695F/52-56-60	2755F/52-56-60
			2573**57-63-66	2595**60-66-69	2615**63-69-72
40	2583	2511F/49-55-60	2675F/53-58-62	2735F/53-58-62	2795F/54-58-62
			2623**57-63-67	2647**60-66-70	2670**63-69-73
38	2643	2544F/49-56-61	2712F/54-60-64	2773F/55-60-64	2834F/55-60-64
			2674**57-63-67	2699**60-66-70	2723**63-69-73
36	2692	2570F/49-57-62	2742F/55-61-65	2804F/56-61-65	2866F/56-61-65
			2715**57-63-68	2741**60-67-71	2767**63-70-73
34	2740	2597F/49-58-63	2772F/56-62-67	2834F/56-62-67	2898F/57-62-67
			2755**57-64-68	2783**60-67-71	2810**63-70-74
32	2778	2621F/49-58-64	2799F/56-63-68	2862F/57-63-68	2926F/58-63-68
			2788**57-64-69	2817**60-67-71	2844**63-70-74
30	2816	2646F/50-59-64	2827F/57-64-69	2890F/58-64-69	2955F/58-64-69
			2821**57-64-69	2850**60-68-72	2878**64-71-75
28	2856	2674F/50-59-65	2856F/57-65-70	2920F/58-65-70	2985F/59-65-70
				2886**61-68-73	2914**64-71-76
26	2896	2700F/50-60-66	2885F/58-66-71	2949F/59-66-71	3013F/60-66-71
				2920**61-68-73	2949**64-72-76
24	2916	2717F/50-60-66	2903F/58-66-71	2968F/59-66-71	3032F/60-66-71
				2940**61-69-74	2969**64-72-77
22	2917	2725F/51-61-67	2912F/58-66-71	2977F/59-66-71	3041F/60-66-71
				2944**61-69-74	2973**65-73-77

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2918	2733F/51-61-67	2921F/59-66-71	2987F/59-66-71	3050F/60-66-71
			2919**58-67-72	2949**62-70-74	2978**65-73-77
18	2918	2742F/51-61-67	2930F/59-66-71	2996F/59-66-71	3059F/60-66-71
			2924**59-67-72	2954**62-70-75	2983**66-73-78
16	2919	2750F/52-61-67	2940F/59-66-71	3005F/59-66-71	3069F/60-66-71
			2929**59-67-72	2959**63-71-75	2987**66-74-78
14	2920	2758F/52-62-67	2949F/59-66-71	3014F/60-66-71	3078F/60-66-71
			2933**60-68-73	2963**63-71-76	2992**67-74-79
12	2920	2767F/52-62-68	2958F/59-66-71	3023F/60-66-71	3088F/60-66-71
			2938**60-68-73	2968**64-72-76	2996**67-75-79
10	2921	2776F/52-62-68	2968F/59-66-71	3032F/60-66-71	3097F/60-66-71
			2943**61-69-74	2972**64-72-77	3001**67-75-80
8	2922	2784F/53-62-68	2978F/59-67-72	3042F/60-67-72	3107F/60-67-72
			2948**61-69-74	2977**64-73-77	3006**68-76-80
6	2923	2793F/53-63-68	2987F/59-67-72	3051F/60-67-72	3117F/61-67-72
			2953**61-70-74	2982**65-73-77	3011**68-76-81
4	2923	2802F/53-63-69	2996F/59-67-72	3061F/60-67-72	3127F/61-67-72
			2958**62-70-75	2987**65-73-78	3015**69-77-81
2	2924	2811F/54-63-69	3006F/59-67-72	3071F/60-67-72	3137F/61-67-72
			2963**62-71-75	2992**66-74-78	3019**69-77-82
0	2924	2820F/54-64-69	3015F/59-67-72	3080F/60-67-72	3147F/61-67-72
			2967**63-71-76	2996**66-74-79	3024**70-78-82
-2	2925	2829F/54-64-69	3025F/59-67-72	3090F/60-67-72	3157F/61-67-72
			2972**63-72-76	3001**67-75-79	3028**70-78-82
-4	2925	2838F/54-64-69	3034F/59-67-72	3100F/60-67-72	3167F/61-67-72
			2976**64-72-77	3005**67-75-80	3032**71-79-83
-6	2925	2847F/55-64-70	3044F/60-67-72	3110F/60-67-72	3175F/61-67-72
			2981**64-73-77	3010**68-76-80	3037**71-79-83
-8	2926	2857F/55-65-70	3053F/60-67-72	3120F/60-67-72	3175F/61-67-72
			2985**65-73-78	3014**68-76-81	3041**72-80-84
-10	2926	2866F/55-65-70	3063F/60-67-72	3130F/60-67-72	3175F/61-67-72
			2990**65-74-78	3019**69-77-81	3045**72-80-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2096F/40-42-45	2236F/41-42-45	2284F/41-42-45	2333F/41-42-45
		2081**41-44-47	2138**50-53-55	2154**52-56-58	2168**55-58-60
58A	2110	2125F/41-44-47	2266F/42-44-47	2315F/42-44-47	2365F/43-44-47
		2117**42-45-48	2176**50-53-56	2193**53-56-58	2208**56-59-61
56A	2155	2155F/42-45-48	2298F/43-45-48	2347F/43-45-48	2398F/44-45-48
			2215**50-54-56	2233**53-57-59	2250**56-60-62
54A	2203	2185F/43-46-49	2330F/44-47-50	2380F/45-47-50	2431F/45-47-50
			2257**51-54-57	2276**54-57-60	2293**57-60-63
52A	2250	2216F/43-47-50	2362F/45-48-51	2413F/46-48-51	2465F/46-48-51
			2298**51-55-58	2318**54-58-60	2336**57-61-63
50A	2297	2246F/43-48-51	2394F/47-49-53	2446F/47-49-53	2498F/47-49-53
			2340**51-55-58	2360**54-58-61	2379**57-61-64
48	2350	2279F/44-49-53	2429F/48-51-55	2481F/48-51-55	2534F/48-51-55
			2384**52-56-59	2406**55-59-62	2426**58-62-65
46	2404	2313F/44-49-54	2465F/49-53-56	2518F/49-53-56	2572F/50-53-56
			2431**52-56-60	2454**55-59-62	2475**58-62-65
44	2462	2346F/45-50-55	2502F/50-54-58	2556F/51-54-58	2611F/51-54-58
			2480**52-57-60	2503**55-60-63	2525**58-63-66
42	2523	2380F/45-51-56	2538F/52-56-60	2593F/52-56-60	2650F/52-56-60
			2530**52-57-61	2554**55-60-64	2577**58-63-67
40	2583	2412F/45-52-57	2574F/52-58-62	2630F/53-58-62	2689F/54-58-62
				2604**55-60-64	2629**59-64-67
38	2643	2444F/46-53-58	2608F/53-58-63	2666F/55-60-64	2726F/55-60-64
				2653**55-61-65	2679**59-64-68
36	2692	2470F/46-53-59	2636F/53-59-64	2695F/55-61-65	2757F/56-61-65
				2693**55-61-65	2721**59-64-68
34	2740	2495F/46-54-60	2664F/53-60-65	2725F/56-62-66	2787F/57-62-67
					2762**59-64-69
32	2778	2519F/46-55-61	2690F/54-60-65	2751F/56-62-67	2814F/58-63-68
					2795**59-65-69
30	2816	2542F/47-55-61	2716F/54-61-66	2778F/56-63-68	2842F/58-64-69
					2828**59-65-70
28	2856	2568F/47-56-62	2745F/54-62-67	2808F/57-63-69	2872F/59-65-70
					2863**59-66-70
26	2896	2592F/47-57-63	2772F/54-62-68	2836F/57-64-69	2900F/59-66-71
					2898**59-66-71
24	2916	2608F/47-57-64	2790F/55-63-68	2854F/57-65-70	2919F/60-66-71
					2917**60-67-71
22	2917	2615F/48-57-64	2798F/55-63-68	2863F/57-65-70	2928F/60-66-71
					2922**60-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2918	2623F/48-58-64	2807F/55-63-69	2872F/58-65-70	2938F/60-66-71 2927**61-67-72
18	2918	2631F/48-58-64	2816F/56-63-69	2881F/58-65-71	2947F/60-66-71 2931**61-68-73
16	2919	2639F/48-58-64	2825F/56-64-69	2890F/58-66-71	2956F/60-66-71 2936**61-68-73
14	2920	2647F/49-58-65	2834F/56-64-69	2899F/59-66-71	2966F/60-66-71 2941**62-69-74
12	2920	2655F/49-59-65	2843F/57-64-70	2909F/59-66-71	2976F/60-66-71 2946**62-69-74
10	2921	2663F/49-59-65	2852F/57-64-70	2918F/59-66-71	2985F/60-66-71 2950**63-70-74
8	2922	2672F/50-59-65	2862F/57-65-70	2928F/60-67-72 2925**60-67-72	2995F/60-67-72 2956**63-70-75
6	2923	2680F/50-59-66	2871F/57-65-70	2937F/60-67-72 2930**60-67-72	3005F/61-67-72 2961**64-71-75
4	2923	2689F/50-60-66	2881F/58-65-71	2947F/60-67-72 2934**61-68-73	3014F/61-67-72 2966**64-71-76
2	2924	2697F/50-60-66	2890F/58-66-71	2957F/60-67-72 2939**61-68-73	3024F/61-67-72 2970**64-72-76
0	2924	2706F/51-60-66	2900F/58-66-71	2967F/60-67-72 2944**61-69-73	3034F/61-67-72 2975**65-72-77
-2	2925	2714F/51-60-66	2909F/59-66-71	2977F/60-67-72 2949**62-69-74	3043F/61-67-72 2980**65-73-77
-4	2925	2723F/51-61-67	2919F/59-66-71	2987F/60-67-72 2954**62-70-74	3053F/61-67-72 2984**66-73-77
-6	2925	2732F/52-61-67	2928F/59-67-72 2927**59-67-72	2996F/60-67-72 2958**63-70-75	3063F/61-67-72 2989**66-74-78
-8	2926	2740F/52-61-67	2938F/60-67-72 2931**60-67-72	3006F/60-67-72 2963**63-71-75	3073F/61-67-72 2993**67-74-78
-10	2926	2749F/52-61-67	2948F/60-67-72 2936**60-68-73	3016F/60-67-72 2968**64-71-76	3083F/61-67-72 2998**67-75-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2186F/40-42-45	2327F/41-42-45	2376F/41-42-45	2426F/41-42-45
		2120**46-50-52	2168**55-59-61	2181**58-61-63	2191**61-64-66
58A	2110	2216F/41-44-47	2358F/42-44-47	2408F/42-44-47	2459F/43-44-47
		2157**47-50-53	2208**55-59-61	2221**58-62-64	2232**61-65-67
56A	2155	2247F/42-45-48	2391F/43-45-48	2441F/43-45-48	2493F/44-45-48
		2196**47-51-54	2249**56-60-62	2263**58-63-65	2275**61-65-68
54A	2203	2277F/43-47-50	2425F/44-47-50	2475F/45-47-50	2528F/45-47-50
		2236**47-51-54	2292**56-60-63	2307**59-63-65	2320**62-66-68
52A	2250	2308F/45-48-51	2458F/45-48-51	2510F/46-48-51	2562F/46-48-51
		2276**47-52-55	2335**56-61-63	2352**59-64-66	2365**62-66-69
50A	2297	2338F/46-49-53	2491F/47-49-53	2543F/47-49-53	2597F/47-49-53
		2316**47-52-55	2378**56-61-64	2395**59-64-67	2410**62-67-69
48	2350	2371F/47-51-55	2526F/48-51-55	2579F/48-51-55	2634F/48-51-55
		2360**48-52-56	2424**57-61-64	2443**60-64-67	2459**63-67-70
46	2404	2406F/48-53-56	2563F/49-53-56	2617F/49-53-56	2674F/50-53-56
			2472**57-62-65	2492**60-65-68	2510**63-68-71
44	2462	2442F/48-54-58	2600F/50-54-58	2656F/51-54-58	2714F/51-54-58
			2521**57-62-66	2543**60-65-69	2561**63-68-71
42	2523	2476F/48-55-59	2637F/52-56-60	2695F/52-56-60	2755F/52-56-60
			2573**57-63-66	2595**60-66-69	2615**63-69-72
40	2583	2511F/49-55-60	2675F/53-58-62	2735F/53-58-62	2795F/54-58-62
			2623**57-63-67	2647**60-66-70	2670**63-69-73
38	2643	2544F/49-56-61	2712F/54-60-64	2773F/55-60-64	2834F/55-60-64
			2674**57-63-67	2699**60-66-70	2723**63-69-73
36	2692	2570F/49-57-62	2742F/55-61-65	2804F/56-61-65	2866F/56-61-65
			2715**57-63-68	2742**60-67-71	2767**63-70-73
34	2740	2597F/49-58-63	2772F/56-62-67	2834F/56-62-67	2898F/57-62-67
			2755**57-64-68	2783**60-67-71	2810**63-70-74
32	2778	2621F/49-58-64	2799F/56-63-68	2862F/57-63-68	2926F/58-63-68
			2788**57-64-69	2817**60-67-71	2844**63-70-74
30	2816	2646F/50-59-64	2827F/57-64-69	2890F/58-64-69	2955F/58-64-69
			2821**57-64-69	2850**60-68-72	2878**64-71-75
28	2856	2674F/50-59-65	2856F/57-65-70	2920F/58-65-70	2985F/59-65-70
				2886**61-68-73	2914**64-71-76
26	2896	2700F/50-60-66	2885F/58-66-71	2949F/59-66-71	3013F/60-66-71
				2920**61-68-73	2949**64-72-76
24	2916	2717F/50-60-66	2903F/58-66-71	2968F/59-66-71	3032F/60-66-71
				2940**61-69-74	2969**64-72-77
22	2917	2725F/51-61-67	2912F/58-66-71	2977F/59-66-71	3041F/60-66-71
				2944**61-69-74	2973**65-73-77

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2918	2733F/51-61-67	2921F/59-66-71	2987F/59-66-71	3050F/60-66-71
			2919**58-67-72	2949**62-70-74	2978**65-73-77
18	2918	2742F/51-61-67	2930F/59-66-71	2996F/59-66-71	3059F/60-66-71
			2924**59-67-72	2954**62-70-75	2983**66-73-78
16	2919	2750F/52-61-67	2940F/59-66-71	3005F/59-66-71	3069F/60-66-71
			2929**59-67-72	2959**63-71-75	2987**66-74-78
14	2920	2759F/52-62-67	2949F/59-66-71	3014F/60-66-71	3078F/60-66-71
			2933**60-68-73	2963**63-71-76	2992**67-74-79
12	2920	2767F/52-62-68	2958F/59-66-71	3023F/60-66-71	3088F/60-66-71
			2938**60-68-73	2968**64-72-76	2996**67-75-79
10	2921	2776F/52-62-68	2968F/59-66-71	3032F/60-66-71	3097F/60-66-71
			2943**61-69-74	2972**64-72-77	3001**67-75-80
8	2922	2784F/53-62-68	2978F/59-67-72	3042F/60-67-72	3107F/60-67-72
			2948**61-69-74	2977**64-73-77	3006**68-76-80
6	2923	2793F/53-63-68	2987F/59-67-72	3051F/60-67-72	3117F/61-67-72
			2953**61-70-74	2982**65-73-77	3011**68-76-81
4	2923	2802F/53-63-69	2996F/59-67-72	3061F/60-67-72	3127F/61-67-72
			2958**62-70-75	2987**65-73-78	3015**69-77-81
2	2924	2811F/54-63-69	3006F/59-67-72	3071F/60-67-72	3137F/61-67-72
			2963**62-71-75	2992**66-74-78	3020**69-77-82
0	2924	2820F/54-64-69	3015F/59-67-72	3081F/60-67-72	3147F/61-67-72
			2967**63-71-76	2996**66-74-79	3024**70-78-82
-2	2925	2829F/54-64-69	3025F/59-67-72	3090F/60-67-72	3157F/61-67-72
			2972**63-72-76	3001**67-75-79	3028**70-78-83
-4	2925	2838F/54-64-69	3034F/59-67-72	3100F/60-67-72	3167F/61-67-72
			2976**64-72-77	3005**67-75-80	3032**71-79-83
-6	2925	2847F/55-64-70	3044F/60-67-72	3110F/60-67-72	3175F/61-67-72
			2981**64-73-77	3010**68-76-80	3037**71-79-83
-8	2926	2857F/55-65-70	3054F/60-67-72	3120F/60-67-72	3175F/61-67-72
			2985**65-73-78	3014**68-76-81	3041**72-80-84
-10	2926	2866F/55-65-70	3063F/60-67-72	3130F/60-67-72	3175F/61-67-72
			2990**65-74-78	3019**69-77-81	3045**72-80-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT **RUNWAY 31 OETB**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF**

TABUK AIRPORT
TABUK TUU
DATED 17-FEB-2020

777-200 GE90-94B

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2068	2092F/40-42-45	2232F/41-42-45	2280F/41-42-45	2329F/41-42-45
		2079**41-44-47	2137**50-53-55	2154**52-56-58	2168**55-58-60
58A	2110	2120F/41-44-47	2262F/42-44-47	2311F/42-44-47	2361F/43-44-47
		2115**42-44-47	2174**50-53-56	2192**53-56-58	2208**56-59-61
56A	2155	2150F/42-45-48	2293F/43-45-48	2343F/43-45-48	2393F/44-45-48
			2214**50-54-56	2232**53-57-59	2249**56-60-62
54A	2203	2181F/43-46-49	2326F/44-47-50	2376F/45-47-50	2427F/45-47-50
			2255**51-54-57	2275**54-57-60	2292**57-60-63
52A	2250	2211F/43-47-50	2357F/45-48-51	2408F/46-48-51	2460F/46-48-51
			2297**51-54-57	2316**54-58-60	2335**57-61-63
50A	2297	2241F/44-47-51	2389F/47-49-53	2441F/47-49-53	2493F/47-49-53
			2338**51-55-58	2358**54-58-61	2378**57-61-64
48	2350	2274F/44-48-52	2424F/48-51-55	2476F/48-51-55	2530F/48-51-55
			2382**52-55-59	2404**55-58-62	2425**58-61-64
46	2404	2308F/45-49-54	2460F/49-53-56	2513F/49-53-56	2568F/50-53-56
			2429**52-56-59	2452**55-59-62	2473**58-62-65
44	2462	2341F/45-50-55	2498F/50-54-58	2551F/51-54-58	2606F/51-54-58
			2478**52-56-60	2501**55-59-63	2523**58-63-66
42	2523	2374F/45-51-56	2533F/52-56-60	2589F/52-56-60	2645F/52-56-60
			2528**52-57-61	2552**55-60-64	2575**58-63-66
40	2583	2407F/46-52-57	2568F/53-57-62	2624F/53-58-62	2684F/54-58-62
				2602**55-60-64	2626**59-63-67
38	2643	2439F/46-53-58	2603F/53-58-63	2660F/55-60-64	2721F/55-60-64
				2651**55-60-65	2677**59-64-68
36	2692	2464F/46-53-59	2630F/53-59-64	2690F/56-61-65	2751F/56-61-65
					2719**59-64-68
34	2740	2490F/46-54-60	2658F/53-60-65	2719F/56-61-66	2781F/57-62-67
					2759**59-64-68
32	2778	2513F/46-55-61	2684F/54-60-65	2746F/56-62-67	2808F/58-63-68
					2792**59-64-69
30	2816	2536F/47-55-61	2710F/54-61-66	2772F/56-63-68	2836F/58-64-69
					2825**59-65-70
28	2856	2562F/47-56-62	2739F/54-61-67	2802F/57-63-68	2866F/59-65-70
					2861**59-65-70
26	2896	2587F/47-56-63	2766F/55-62-68	2830F/57-64-69	2894F/60-66-71
24	2916	2602F/47-57-63	2784F/55-62-68	2848F/57-64-70	2913F/60-66-71
22	2917	2610F/48-57-64	2792F/55-63-68	2857F/58-65-70	2922F/60-66-71
					2919**60-67-72
20	2918	2618F/48-57-64	2801F/55-63-69	2866F/58-65-70	2931F/60-66-71
					2924**61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 31 OETB

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
18	2918	2625F/48-58-64	2810F/56-63-69	2875F/58-65-70	2941F/60-66-71
					2929**61-68-72
16	2919	2633F/49-58-64	2819F/56-64-69	2884F/59-65-71	2950F/60-66-71
					2933**61-68-73
14	2920	2641F/49-58-64	2828F/56-64-69	2893F/59-66-71	2960F/60-66-71
					2938**62-68-73
12	2920	2649F/49-58-65	2837F/57-64-69	2903F/59-66-71	2970F/60-66-71
					2943**62-69-74
10	2921	2657F/49-59-65	2846F/57-64-70	2912F/59-66-71	2979F/60-66-71
					2948**63-69-74
8	2922	2665F/50-59-65	2856F/57-65-70	2922F/60-67-72	2989F/60-67-72
					2953**63-70-75
6	2923	2674F/50-59-65	2865F/58-65-70	2931F/60-67-72	2999F/61-67-72
				2927**60-67-72	2958**64-70-75
4	2923	2682F/50-59-66	2874F/58-65-70	2941F/60-67-72	3008F/61-67-72
				2932**61-67-72	2963**64-71-75
2	2924	2691F/51-60-66	2884F/58-65-71	2951F/60-67-72	3018F/61-67-72
				2936**61-68-73	2968**65-71-76
0	2924	2699F/51-60-66	2893F/59-66-71	2961F/60-67-72	3028F/61-67-72
				2941**62-68-73	2972**65-72-76
-2	2925	2708F/51-60-66	2903F/59-66-71	2971F/60-67-72	3037F/61-67-72
				2946**62-69-74	2977**65-72-77
-4	2925	2717F/52-60-66	2912F/59-66-71	2981F/60-67-72	3047F/61-67-72
				2951**62-69-74	2982**66-73-77
-6	2925	2725F/52-61-67	2922F/59-67-72	2990F/60-67-72	3057F/61-67-72
				2956**63-70-75	2986**66-73-78
-8	2926	2734F/52-61-67	2932F/60-67-72	3000F/60-67-72	3067F/61-67-72
			2928**60-67-72	2960**63-70-75	2991**67-74-78
-10	2926	2743F/52-61-67	2942F/60-67-72	3010F/60-67-72	3077F/61-67-72
			2933**60-67-72	2965**64-71-75	2995**67-74-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2271F/30-33-37	2421F/31-33-37	2473F/31-33-37	2526F/32-33-37
		2100**46-51-53	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2302F/31-34-38	2454F/32-34-38	2506F/33-34-38	2560F/33-34-38
		2138**46-51-54	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2335F/33-36-40	2488F/34-36-40	2542F/34-36-40	2596F/34-36-40
		2177**47-52-55	2194**50-55-58	2194**50-55-58	2194**51-55-58
54A	2118	2368F/34-37-41	2523F/35-37-41	2577F/35-37-41	2632F/35-37-41
		2220**47-52-55	2242**52-57-59	2242**52-57-59	2242**52-57-59
52A	2164	2399F/35-38-43	2558F/36-38-43	2613F/36-38-43	2670F/37-38-43
		2261**47-53-56	2291**53-58-61	2291**53-58-61	2291**53-58-61
50A	2210	2431F/36-40-44	2592F/37-40-44	2648F/37-40-44	2708F/38-40-44
		2302**47-53-56	2340**54-60-63	2340**54-60-63	2340**55-60-63
48	2260	2465F/37-41-46	2629F/38-41-46	2688F/38-41-46	2749F/39-41-46
		2347**47-53-57	2394**56-62-65	2394**56-62-65	2394**56-62-65
46	2313	2501F/38-43-47	2668F/39-43-47	2728F/40-43-47	2790F/40-43-47
		2394**47-54-58	2448**57-63-66	2450**57-63-67	2450**58-63-67
44	2369	2538F/40-44-49	2709F/41-44-49	2770F/41-44-49	2833F/41-44-49
		2442**47-54-58	2499**57-63-67	2509**59-65-69	2509**59-65-69
42	2426	2574F/41-46-51	2749F/42-46-51	2811F/42-46-51	2875F/43-46-51
		2491**47-54-59	2551**57-64-67	2569**60-67-70	2571**61-67-71
40	2484	2609F/42-47-53	2789F/43-47-53	2852F/43-47-53	2916F/44-47-53
		2540**47-55-59	2605**57-64-68	2623**60-67-71	2634**62-69-73
38	2540	2644F/43-49-54	2828F/44-49-54	2892F/45-49-54	2957F/45-49-54
		2587**47-55-60	2656**57-64-68	2676**60-67-71	2696**63-70-74
36	2584	2673F/43-50-56	2859F/45-50-56	2924F/45-50-56	2990F/46-50-56
		2624**47-55-60	2699**57-64-69	2721**60-67-71	2742**63-71-74
34	2627	2701F/44-51-57	2889F/46-51-57	2956F/46-51-57	3020F/47-51-57
		2661**47-55-60	2741**57-65-69	2764**60-68-72	2787**63-71-75
32	2663	2727F/45-52-58	2918F/47-52-58	2985F/47-52-58	3049F/47-52-58
		2693**47-56-61	2775**57-65-69	2799**60-68-72	2822**63-71-75
30	2699	2753F/45-53-59	2946F/47-53-59	3012F/48-53-59	3077F/48-53-59
		2725**47-56-61	2808**57-65-70	2833**60-68-73	2858**64-72-76
28	2740	2783F/46-54-60	2977F/48-54-60	3042F/48-54-60	3107F/49-54-60
		2760**47-56-62	2844**57-66-71	2870**60-69-73	2894**64-72-76
26	2780	2810F/46-55-61	3005F/49-55-61	3071F/49-55-61	3137F/50-55-61
		2794**47-57-62	2879**57-66-71	2905**61-69-74	2930**64-72-77
24	2800	2828F/47-56-62	3024F/49-56-62	3089F/49-56-62	3156F/50-56-62
		2813**48-57-63	2898**58-67-72	2925**61-70-74	2949**64-73-77
22	2801	2836F/47-56-62	3032F/49-56-62	3098F/50-56-62	3165F/50-56-62
		2817**48-57-63	2902**58-67-72	2929**61-70-75	2953**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 06 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2845F/47-56-62	3041F/49-56-62	3108F/50-56-62	3175F/50-56-62
		2822**48-58-64	2907**58-67-72	2933**62-71-75	2958**65-74-78
18	2802	2854F/47-56-62	3051F/49-56-62	3117F/50-56-62	3175F/50-56-62
		2826**49-58-64	2911**59-68-73	2937**62-71-76	2962**66-74-79
16	2802	2863F/47-56-62	3060F/49-56-62	3127F/50-56-62	3175F/50-56-62
		2830**49-59-64	2915**59-68-73	2941**63-72-76	2966**66-75-79
14	2803	2871F/47-56-62	3069F/49-56-62	3136F/50-56-62	3175F/50-56-62
		2835**49-59-65	2920**60-69-74	2945**63-72-77	2970**67-75-80
12	2803	2880F/47-56-62	3078F/49-56-62	3146F/50-56-62	3175F/50-56-62
		2839**50-60-65	2924**60-69-74	2949**64-72-77	2974**67-76-80
10	2804	2889F/47-56-62	3088F/49-56-62	3155F/50-56-62	3175F/50-56-62
		2844**50-60-66	2928**61-70-74	2954**64-73-77	2977**68-76-81
8	2805	2898F/47-56-62	3097F/49-56-62	3165F/50-56-62	3175F/50-56-62
		2848**51-60-66	2933**61-70-75	2958**64-73-78	2982**68-77-81
6	2806	2907F/47-56-62	3107F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2853**51-61-66	2937**61-71-75	2963**65-74-78	2986**68-77-81
4	2806	2916F/47-56-62	3117F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2858**51-61-67	2941**62-71-76	2967**65-74-79	2990**69-78-82
2	2807	2926F/47-56-62	3126F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2862**52-62-67	2946**62-72-76	2971**66-75-79	2994**69-78-82
0	2807	2935F/47-56-62	3136F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2866**52-62-68	2950**63-72-77	2975**66-75-80	2997**70-79-83
-2	2807	2944F/48-56-62	3146F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2871**53-63-68	2954**63-73-77	2979**67-76-80	2998**70-79-83
-4	2807	2954F/48-56-62	3156F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2875**53-63-68	2958**64-73-78	2982**67-76-81	2999**70-79-83
-6	2808	2963F/48-56-62	3166F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2880**54-64-69	2962**64-74-78	2986**68-77-81	2999**70-79-83
-8	2808	2973F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2884**54-64-69	2966**65-74-78	2990**68-77-82	2999**70-79-83
-10	2808	2982F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2888**55-65-70	2970**65-75-79	2993**69-78-82	3000**70-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
06	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2178F/30-33-37	2326F/31-33-37	2377F/31-33-37	2429F/32-33-37
		2066**40-45-48	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2208F/31-34-38	2357F/32-34-38	2409F/33-34-38	2463F/33-34-38
		2104**41-45-48	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2239F/33-36-40	2390F/34-36-40	2443F/34-36-40	2497F/34-36-40
		2144**42-46-49	2192**50-55-57	2194**50-55-58	2194**51-55-58
54A	2118	2270F/34-37-41	2424F/35-37-41	2477F/35-37-41	2532F/35-37-41
		2184**42-46-50	2235**50-55-58	2242**52-57-59	2242**52-57-59
52A	2164	2302F/35-38-43	2457F/36-38-43	2511F/36-38-43	2567F/37-38-43
		2224**42-47-50	2277**51-56-59	2291**53-58-61	2291**53-58-61
50A	2210	2333F/36-40-44	2491F/37-40-44	2545F/37-40-44	2601F/38-40-44
		2264**42-47-51	2320**51-56-59	2336**54-59-62	2340**55-60-63
48	2260	2368F/37-41-46	2527F/38-41-46	2582F/39-41-46	2639F/39-41-46
		2308**42-48-52	2366**51-57-60	2383**54-60-63	2394**56-62-65
46	2313	2404F/38-43-47	2565F/39-43-47	2621F/40-43-47	2680F/40-43-47
		2353**43-48-52	2414**52-57-61	2432**55-60-63	2448**58-63-66
44	2369	2439F/40-44-49	2604F/41-44-49	2662F/41-44-49	2722F/41-44-49
		2400**43-48-53	2464**52-58-61	2483**55-61-64	2500**58-64-67
42	2426	2474F/41-46-51	2642F/42-46-51	2703F/42-46-51	2764F/43-46-51
		2448**43-49-53	2516**52-58-62	2535**55-61-65	2554**58-64-68
40	2484	2507F/42-47-53	2680F/43-47-53	2742F/43-47-53	2806F/44-47-53
		2495**43-49-54	2566**52-58-62	2587**55-61-65	2607**58-64-68
38	2540	2540F/42-49-54	2717F/44-49-54	2780F/45-49-54	2845F/45-49-54
			2615**52-58-63	2638**55-62-66	2660**58-65-69
36	2584	2567F/43-50-55	2746F/45-50-56	2811F/45-50-56	2876F/46-50-56
			2654**52-59-63	2679**55-62-66	2703**58-65-69
34	2627	2592F/43-50-56	2776F/46-51-57	2841F/46-51-57	2907F/47-51-57
			2693**52-59-64	2719**55-62-67	2745**58-65-69
32	2663	2617F/43-51-57	2803F/47-52-58	2869F/47-52-58	2936F/47-52-58
			2726**52-59-64	2753**55-62-67	2779**59-66-70
30	2699	2641F/43-51-58	2830F/47-53-59	2896F/48-53-59	2964F/48-53-59
			2759**52-60-65	2786**56-63-68	2813**59-66-70
28	2740	2669F/44-52-58	2861F/48-54-60	2927F/48-54-60	2995F/49-54-60
			2794**53-60-65	2822**56-63-68	2849**59-66-71
26	2780	2696F/44-53-59	2889F/49-55-61	2956F/49-55-61	3023F/50-55-61
			2829**53-60-66	2857**56-64-69	2884**59-67-72
24	2800	2713F/44-53-60	2908F/49-56-62	2975F/49-56-62	3042F/50-56-62
			2848**53-61-66	2876**56-64-69	2904**60-67-72
22	2801	2721F/44-53-60	2917F/49-56-62	2985F/50-56-62	3051F/50-56-62
			2852**53-61-67	2881**57-64-70	2908**60-68-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 13 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2729F/45-54-60	2926F/49-56-62	2994F/50-56-62	3060F/50-56-62
			2857**54-62-67	2885**57-65-70	2912**60-68-73
18	2802	2738F/45-54-60	2935F/49-56-62	3003F/50-56-62	3070F/50-56-62
			2861**54-62-67	2889**57-65-70	2917**61-69-73
16	2802	2746F/45-54-60	2944F/49-56-62	3012F/50-56-62	3079F/50-56-62
			2865**54-63-68	2894**58-66-71	2921**61-69-74
14	2803	2754F/45-54-61	2954F/49-56-62	3021F/50-56-62	3089F/50-56-62
			2870**55-63-68	2898**58-66-71	2925**62-69-74
12	2803	2763F/46-55-61	2963F/49-56-62	3030F/50-56-62	3098F/50-56-62
			2874**55-63-69	2902**59-67-72	2930**62-70-75
10	2804	2771F/46-55-61	2972F/49-56-62	3040F/50-56-62	3108F/50-56-62
			2878**56-64-69	2906**59-67-72	2934**63-70-75
8	2805	2780F/46-55-61	2982F/49-56-62	3049F/50-56-62	3118F/50-56-62
			2883**56-64-69	2911**60-68-72	2938**63-71-75
6	2806	2789F/47-55-61	2992F/49-56-62	3059F/50-56-62	3128F/50-56-62
			2888**57-65-70	2916**60-68-73	2943**63-71-76
4	2806	2798F/47-56-62	3001F/49-56-62	3069F/50-56-62	3138F/50-56-62
			2892**57-65-70	2920**60-68-73	2947**64-72-76
2	2807	2807F/47-56-62	3010F/49-56-62	3078F/50-56-62	3148F/50-56-62
			2897**57-66-71	2925**61-69-74	2951**64-72-77
0	2807	2816F/47-56-62	3020F/49-56-62	3088F/50-56-62	3158F/50-56-62
		2811**48-56-62	2901**58-66-71	2929**61-69-74	2955**65-73-77
-2	2807	2825F/48-56-62	3029F/50-56-62	3098F/50-56-62	3168F/50-56-62
		2815**48-57-63	2905**58-67-72	2934**62-70-75	2960**65-73-78
-4	2807	2834F/48-56-62	3039F/50-56-62	3108F/50-56-62	3175F/50-56-62
		2820**48-57-63	2909**59-67-72	2938**62-70-75	2964**66-74-78
-6	2808	2843F/48-56-62	3048F/50-56-62	3118F/50-56-62	3175F/50-56-62
		2824**49-58-63	2914**59-68-72	2942**63-71-76	2968**66-74-79
-8	2808	2852F/48-56-62	3058F/50-56-62	3128F/50-56-62	3175F/50-56-62
		2829**49-58-64	2918**60-68-73	2946**63-71-76	2972**67-75-79
-10	2808	2862F/48-56-62	3068F/50-56-62	3138F/50-56-62	3175F/50-56-62
		2833**50-59-64	2922**60-69-73	2950**64-72-76	2976**67-75-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
13	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2271F/30-33-37	2421F/31-33-37	2473F/31-33-37	2526F/32-33-37
		2100**46-51-53	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2302F/31-34-38	2454F/32-34-38	2507F/33-34-38	2560F/33-34-38
		2138**46-51-54	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2335F/33-36-40	2488F/34-36-40	2542F/34-36-40	2596F/34-36-40
		2178**47-52-55	2194**50-55-58	2194**50-55-58	2194**51-55-58
54A	2118	2368F/34-37-41	2523F/35-37-41	2577F/35-37-41	2632F/35-37-41
		2220**47-52-55	2242**52-57-59	2242**52-57-59	2242**52-57-59
52A	2164	2399F/35-38-43	2558F/36-38-43	2613F/36-38-43	2670F/37-38-43
		2261**47-53-56	2291**53-58-61	2291**53-58-61	2291**53-58-61
50A	2210	2431F/36-40-44	2592F/37-40-44	2648F/37-40-44	2708F/38-40-44
		2302**47-53-56	2340**54-60-63	2340**54-60-63	2340**55-60-63
48	2260	2465F/37-41-46	2629F/38-41-46	2688F/38-41-46	2749F/39-41-46
		2347**47-53-57	2394**56-62-65	2394**56-62-65	2394**56-62-65
46	2313	2501F/38-43-47	2668F/39-43-47	2728F/40-43-47	2790F/40-43-47
		2394**47-54-58	2448**57-63-66	2450**57-63-67	2450**58-63-67
44	2369	2538F/40-44-49	2709F/41-44-49	2770F/41-44-49	2833F/41-44-49
		2442**47-54-58	2499**57-63-67	2509**59-65-69	2509**59-65-69
42	2426	2574F/41-46-51	2749F/42-46-51	2811F/42-46-51	2875F/43-46-51
		2491**47-54-59	2551**57-64-67	2569**60-67-70	2571**61-67-71
40	2484	2609F/42-47-53	2789F/43-47-53	2852F/43-47-53	2916F/44-47-53
		2540**47-55-59	2605**57-64-68	2623**60-67-71	2634**62-69-73
38	2540	2644F/43-49-54	2828F/44-49-54	2892F/45-49-54	2957F/45-49-54
		2587**47-55-60	2656**57-64-68	2677**60-67-71	2696**63-70-74
36	2584	2673F/43-50-56	2859F/45-50-56	2924F/45-50-56	2990F/46-50-56
		2624**47-55-60	2699**57-64-69	2721**60-67-71	2742**63-71-74
34	2627	2701F/44-51-57	2889F/46-51-57	2956F/46-51-57	3021F/47-51-57
		2661**47-55-60	2741**57-65-69	2764**60-68-72	2787**63-71-75
32	2663	2727F/45-52-58	2918F/47-52-58	2985F/47-52-58	3049F/47-52-58
		2693**47-56-61	2775**57-65-69	2799**60-68-72	2822**63-71-75
30	2699	2754F/45-53-59	2946F/47-53-59	3012F/48-53-59	3077F/48-53-59
		2725**47-56-61	2808**57-65-70	2833**60-68-73	2858**64-72-76
28	2740	2783F/46-54-60	2977F/48-54-60	3042F/48-54-60	3108F/49-54-60
		2760**47-56-62	2844**57-66-71	2870**60-69-73	2894**64-72-76
26	2780	2810F/46-55-61	3005F/49-55-61	3071F/49-55-61	3137F/50-55-61
		2794**47-57-62	2879**57-66-71	2905**61-69-74	2930**64-72-77
24	2800	2828F/47-56-62	3024F/49-56-62	3089F/49-56-62	3156F/50-56-62
		2813**48-57-63	2898**58-67-72	2925**61-70-74	2949**64-73-77
22	2801	2837F/47-56-62	3033F/49-56-62	3098F/50-56-62	3165F/50-56-62
		2817**48-57-63	2903**58-67-72	2929**61-70-75	2953**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2551 FT RUNWAY 24 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2845F/47-56-62	3042F/49-56-62	3108F/50-56-62	3175F/50-56-62
		2822**48-58-64	2907**58-67-72	2933**62-71-75	2958**65-74-78
18	2802	2854F/47-56-62	3051F/49-56-62	3117F/50-56-62	3175F/50-56-62
		2826**49-58-64	2911**59-68-73	2937**62-71-76	2962**66-74-79
16	2802	2863F/47-56-62	3060F/49-56-62	3127F/50-56-62	3175F/50-56-62
		2830**49-59-64	2915**59-68-73	2941**63-72-76	2966**66-75-79
14	2803	2871F/47-56-62	3069F/49-56-62	3136F/50-56-62	3175F/50-56-62
		2835**49-59-65	2920**60-69-74	2945**63-72-77	2970**67-75-80
12	2803	2880F/47-56-62	3078F/49-56-62	3146F/50-56-62	3175F/50-56-62
		2839**50-60-65	2924**60-69-74	2949**64-72-77	2974**67-76-80
10	2804	2889F/47-56-62	3088F/49-56-62	3155F/50-56-62	3175F/50-56-62
		2844**50-60-66	2928**61-70-74	2954**64-73-77	2977**68-76-81
8	2805	2898F/47-56-62	3097F/49-56-62	3165F/50-56-62	3175F/50-56-62
		2849**51-60-66	2933**61-70-75	2958**64-73-78	2982**68-77-81
6	2806	2907F/47-56-62	3107F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2853**51-61-66	2937**61-71-75	2963**65-74-78	2986**68-77-81
4	2806	2917F/47-56-62	3117F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2858**51-61-67	2941**62-71-76	2967**65-74-79	2990**69-78-82
2	2807	2926F/47-56-62	3127F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2862**52-62-67	2946**62-72-76	2971**66-75-79	2994**69-78-82
0	2807	2935F/47-56-62	3136F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2866**52-62-68	2950**63-72-77	2975**66-75-80	2997**70-79-83
-2	2807	2944F/48-56-62	3146F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2871**53-63-68	2954**63-73-77	2979**67-76-80	2998**70-79-83
-4	2807	2954F/48-56-62	3156F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2875**53-63-68	2958**64-73-78	2982**67-76-81	2999**70-79-83
-6	2808	2963F/48-56-62	3166F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2880**54-64-69	2962**64-74-78	2986**68-77-81	2999**70-79-83
-8	2808	2973F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2884**54-64-69	2966**65-74-78	2990**68-77-82	2999**70-79-83
-10	2808	2982F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/50-56-62
		2888**55-65-70	2970**65-75-79	2993**69-78-82	3000**70-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3350 M LONG WITH 295 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
24	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT **RUNWAY 31 OETB**

***** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT**
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1988	2174F/30-33-37	2321F/31-33-37	2373F/31-33-37	2426F/32-33-37
		2066**40-45-48	2106**48-52-55	2106**48-52-55	2106**48-52-55
58A	2028	2203F/31-34-38	2353F/32-34-38	2405F/33-34-38	2459F/33-34-38
		2104**41-45-48	2148**49-54-56	2148**49-54-56	2148**49-54-56
56A	2072	2234F/33-36-40	2386F/34-36-40	2439F/34-36-40	2493F/34-36-40
		2143**42-46-49	2192**50-55-57	2194**50-55-58	2194**51-55-58
54A	2118	2266F/34-37-41	2420F/35-37-41	2473F/35-37-41	2528F/35-37-41
		2183**42-46-50	2235**50-55-58	2242**52-57-59	2242**52-57-59
52A	2164	2297F/35-38-43	2453F/36-38-43	2507F/36-38-43	2562F/37-38-43
		2223**42-47-50	2277**51-56-59	2291**53-58-61	2291**53-58-61
50A	2210	2328F/36-40-44	2486F/37-40-44	2541F/37-40-44	2597F/38-40-44
		2262**42-47-51	2320**51-56-59	2336**54-59-62	2340**55-60-63
48	2260	2363F/37-41-46	2523F/38-41-46	2578F/38-41-46	2634F/39-41-46
		2306**42-47-51	2366**51-57-60	2383**54-60-63	2394**56-62-65
46	2313	2399F/38-43-47	2561F/39-43-47	2617F/40-43-47	2675F/40-43-47
		2351**43-48-52	2414**52-57-61	2432**55-60-63	2448**58-63-66
44	2369	2434F/40-44-49	2599F/41-44-49	2657F/41-44-49	2717F/41-44-49
		2398**43-48-53	2464**52-58-61	2483**55-61-64	2500**58-64-67
42	2426	2468F/41-46-51	2637F/42-46-51	2698F/42-46-51	2759F/43-46-51
		2445**43-48-53	2515**52-58-62	2535**55-61-65	2554**58-64-68
40	2484	2502F/42-47-53	2674F/43-47-53	2737F/43-47-53	2800F/44-47-53
		2492**43-49-54	2565**52-58-62	2587**55-61-65	2607**58-64-68
38	2540	2535F/43-49-54	2711F/44-49-54	2774F/45-49-54	2840F/45-49-54
			2614**52-58-63	2638**55-62-66	2660**58-65-69
36	2584	2561F/43-49-55	2741F/45-50-56	2805F/45-50-56	2871F/46-50-56
			2653**52-59-63	2679**55-62-66	2703**58-65-69
34	2627	2587F/43-50-56	2770F/46-51-57	2835F/46-51-57	2902F/47-51-57
			2692**52-59-64	2719**55-62-67	2745**58-65-69
32	2663	2611F/43-51-57	2797F/47-52-58	2863F/47-52-58	2930F/47-52-58
			2725**52-59-64	2752**55-62-67	2779**59-66-70
30	2699	2635F/44-51-57	2824F/47-53-59	2890F/48-53-59	2958F/48-53-59
			2757**52-59-65	2785**56-63-68	2813**59-66-70
28	2740	2663F/44-52-58	2854F/48-54-60	2921F/48-54-60	2989F/49-54-60
			2792**53-60-65	2821**56-63-68	2849**59-66-71
26	2780	2690F/44-53-59	2883F/49-55-61	2950F/49-55-61	3018F/50-55-61
			2827**53-60-66	2856**56-64-69	2884**59-67-72
24	2800	2707F/44-53-59	2902F/49-56-62	2969F/49-56-62	3036F/50-56-62
			2846**53-61-66	2875**56-64-69	2904**60-67-72
22	2801	2715F/45-53-60	2911F/49-56-62	2979F/50-56-62	3045F/50-56-62
			2850**53-61-66	2880**57-64-69	2908**60-68-73

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 256,000KG

ELEVATION 2551 FT RUNWAY 31 OETB

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF TABUK AIRPORT
TABUK TUU
777-200 GE90-94B DATED 17-FEB-2020
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2801	2723F/45-53-60	2920F/49-56-62	2988F/50-56-62	3054F/50-56-62
			2855**54-62-67	2884**57-65-70	2912**60-68-73
18	2802	2731F/45-54-60	2929F/49-56-62	2997F/50-56-62	3064F/50-56-62
			2859**54-62-67	2889**57-65-70	2917**61-69-73
16	2802	2740F/45-54-60	2938F/49-56-62	3006F/50-56-62	3073F/50-56-62
			2864**55-62-68	2893**58-66-71	2921**61-69-74
14	2803	2748F/46-54-60	2947F/49-56-62	3015F/50-56-62	3083F/50-56-62
			2868**55-63-68	2898**58-66-71	2925**62-69-74
12	2803	2756F/46-54-61	2957F/49-56-62	3024F/50-56-62	3092F/50-56-62
			2873**55-63-68	2902**59-67-72	2930**62-70-75
10	2804	2765F/46-55-61	2966F/49-56-62	3034F/50-56-62	3102F/50-56-62
			2877**56-64-69	2906**59-67-72	2934**63-70-75
8	2805	2774F/46-55-61	2976F/49-56-62	3043F/50-56-62	3112F/50-56-62
			2882**56-64-69	2911**60-68-72	2938**63-71-75
6	2806	2782F/47-55-61	2986F/49-56-62	3053F/50-56-62	3122F/50-56-62
			2887**57-65-70	2916**60-68-73	2943**63-71-76
4	2806	2791F/47-55-61	2995F/49-56-62	3063F/50-56-62	3132F/50-56-62
			2892**57-65-70	2920**60-69-73	2947**64-72-76
2	2807	2800F/47-56-62	3004F/49-56-62	3072F/50-56-62	3142F/50-56-62
			2896**57-66-71	2925**61-69-74	2951**64-72-77
0	2807	2809F/47-56-62	3014F/49-56-62	3082F/50-56-62	3152F/50-56-62
		2808**48-56-62	2901**58-66-71	2929**61-69-74	2955**65-73-77
-2	2807	2818F/48-56-62	3023F/50-56-62	3092F/50-56-62	3162F/50-56-62
		2812**48-56-62	2905**58-67-72	2934**62-70-75	2960**65-73-78
-4	2807	2827F/48-56-62	3033F/50-56-62	3102F/50-56-62	3172F/50-56-62
		2817**48-57-63	2909**59-67-72	2938**62-70-75	2964**66-74-78
-6	2808	2836F/48-56-62	3042F/50-56-62	3112F/50-56-62	3175F/50-56-62
		2821**49-57-63	2914**59-68-72	2942**63-71-76	2968**66-74-79
-8	2808	2846F/48-56-62	3052F/50-56-62	3122F/50-56-62	3175F/50-56-62
		2826**49-58-64	2918**60-68-73	2946**63-71-76	2972**67-75-79
-10	2808	2855F/48-56-62	3062F/50-56-62	3132F/50-56-62	3175F/50-56-62
		2830**50-58-64	2922**60-69-73	2950**64-72-76	2976**67-75-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3050 M LONG WITH 265 M OF CLEARWAY AND 295 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
31	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2701	2126F/40-47-54	2292F/48-53-59	2349F/51-55-60	2408F/54-57-62
58A	2761	2162F/41-48-55	2329F/49-54-60	2387F/52-56-62	2446F/55-58-64
56A	2828	2198F/42-49-56	2367F/50-55-61	2426F/53-57-63	2486F/56-60-65
54A	2893	2233F/42-50-58	2404F/51-56-63	2463F/54-58-64	2524F/56-61-66
52	2956	2266F/43-51-59	2439F/52-57-64	2499F/55-59-66	2561F/57-62-67
50	3024	2304F/44-52-60	2478F/53-58-65	2539F/55-60-67	2601F/58-63-69
48	3095	2342F/45-53-61	2520F/54-59-67	2581F/56-62-68	2644F/59-64-70
46	3172	2382F/46-54-63	2562F/54-61-68	2624F/57-63-70	2688F/60-65-72
44	3251	2423F/47-55-64	2605F/55-62-70	2669F/58-64-71	2732F/61-66-73
42	3326	2463F/47-56-66	2648F/56-63-71	2711F/59-65-73	2771F/61-67-74
40	3406	2500F/48-57-67	2687F/57-64-72	2747F/59-66-74	2808F/62-68-76
38	3482	2537F/49-58-68	2722F/57-65-73	2783F/60-67-75	2845F/62-69-77
36	3566	2575F/50-59-69	2758F/58-66-75	2819F/60-68-76	2882F/63-70-78
34	3636	2607F/50-60-71	2789F/58-66-76	2851F/61-68-77	2914F/63-71-79
32	3697	2633F/51-61-71	2815F/58-67-76	2878F/61-69-78	2942F/63-71-80
30	3747	2657F/51-61-72	2841F/59-68-77	2904F/61-70-79	2969F/64-72-81
28	3787	2681F/51-62-73	2866F/59-68-78	2930F/62-70-80	2996F/64-73-82
26	3787	2692F/51-62-73	2878F/59-69-78	2942F/62-71-80	3008F/64-73-82
24	3787	2699F/52-62-74	2886F/60-69-79	2951F/62-71-80	3017F/65-73-82
22	3787	2707F/52-63-74	2895F/60-69-79	2959F/62-71-81	3026F/65-74-82
20	3787	2715F/52-63-74	2903F/60-69-79	2968F/63-72-81	3035F/65-74-83
18	3787	2723F/53-63-74	2912F/60-70-79	2977F/63-72-81	3045F/66-74-83
16	3787	2731F/53-63-74	2921F/61-70-80	2986F/63-72-81	3054F/66-74-83
14	3787	2739F/53-64-75	2929F/61-70-80	2996F/64-73-82	3064F/66-75-83
12	3787	2747F/53-64-75	2938F/61-71-80	3005F/64-73-82	3073F/67-75-84
10	3787	2755F/54-64-75	2948F/62-71-80	3015F/64-73-82	3083F/67-75-84
8	3787	2764F/54-65-75	2957F/62-71-81	3024F/65-73-82	3093F/67-76-84
6	3787	2772F/54-65-76	2966F/62-72-81	3034F/65-74-83	3103F/68-76-84
4	3787	2780F/55-65-76	2976F/63-72-81	3044F/65-74-83	3113F/68-76-85
2	3787	2789F/55-65-76	2985F/63-72-81	3053F/66-74-83	3123F/68-77-85
0	3787	2798F/55-66-76	2994F/63-72-82	3063F/66-75-83	3134F/69-77-85
-2	3787	2806F/56-66-76	3004F/64-73-82	3073F/66-75-84	3144F/69-77-85
-4	3787	2815F/56-66-77	3014F/64-73-82	3083F/67-75-84	3154F/70-78-86
-6	3787	2824F/56-67-77	3024F/64-73-82	3094F/67-76-84	3165F/70-78-86
-8	3787	2833F/57-67-77	3034F/65-74-83	3104F/68-76-84	3176F/70-78-86
-10	3787	2842F/57-67-77	3044F/65-74-83	3114F/68-76-85	3186F/71-79-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2701	2104F/40-46-53	2267F/48-52-58	2324F/51-54-60	2382F/53-56-61
58A	2761	2140F/41-47-54	2304F/49-53-59	2362F/52-55-61	2420F/54-58-63
56A	2828	2175F/42-48-56	2342F/50-54-61	2400F/53-56-62	2459F/55-59-64
54A	2893	2210F/42-49-57	2379F/51-55-62	2437F/53-57-64	2497F/56-60-65
52	2956	2243F/43-50-58	2414F/51-56-63	2473F/54-58-65	2534F/57-61-67
50	3024	2281F/44-51-59	2453F/52-57-64	2513F/55-60-66	2574F/58-62-68
48	3095	2320F/45-52-61	2494F/53-58-66	2555F/56-61-68	2617F/59-63-69
46	3172	2360F/46-53-62	2536F/54-60-67	2598F/57-62-69	2661F/60-64-71
44	3251	2401F/46-54-64	2579F/55-61-69	2642F/58-63-71	2705F/61-65-72
42	3326	2441F/47-55-65	2622F/56-62-70	2685F/59-64-72	2747F/61-66-74
40	3406	2477F/48-56-66	2661F/57-63-71	2723F/60-65-73	2784F/62-67-75
38	3482	2514F/49-57-68	2699F/58-64-73	2759F/60-66-74	2820F/62-68-76
36	3566	2551F/50-58-69	2735F/58-65-74	2795F/60-67-76	2857F/63-69-77
34	3636	2584F/50-59-70	2766F/58-65-75	2827F/61-68-77	2890F/63-70-78
32	3697	2611F/51-60-71	2792F/59-66-76	2854F/61-68-78	2917F/64-70-79
30	3747	2637F/51-60-72	2817F/59-67-77	2880F/61-69-78	2943F/64-71-80
28	3787	2661F/52-61-72	2843F/59-67-77	2906F/62-70-79	2970F/64-72-81
26	3787	2671F/52-61-73	2854F/60-68-78	2917F/62-70-79	2982F/65-72-81
24	3787	2678F/52-62-73	2862F/60-68-78	2926F/62-70-80	2991F/65-72-81
22	3787	2686F/52-62-73	2871F/60-68-78	2935F/63-70-80	3000F/65-73-82
20	3787	2694F/53-62-73	2879F/60-69-78	2943F/63-71-80	3009F/66-73-82
18	3787	2702F/53-62-74	2888F/61-69-79	2952F/63-71-80	3019F/66-73-82
16	3787	2709F/53-63-74	2896F/61-69-79	2961F/64-71-81	3028F/66-74-82
14	3787	2717F/54-63-74	2905F/61-69-79	2970F/64-72-81	3037F/67-74-83
12	3787	2725F/54-63-74	2914F/62-70-79	2980F/64-72-81	3047F/67-74-83
10	3787	2734F/54-64-74	2923F/62-70-80	2989F/65-72-81	3057F/67-75-83
8	3787	2742F/54-64-75	2932F/62-70-80	2998F/65-73-82	3066F/68-75-83
6	3787	2750F/55-64-75	2941F/63-71-80	3008F/65-73-82	3076F/68-75-84
4	3787	2759F/55-64-75	2950F/63-71-80	3017F/66-73-82	3086F/68-75-84
2	3787	2767F/55-65-75	2960F/63-71-81	3027F/66-74-82	3096F/69-76-84
0	3787	2775F/56-65-76	2969F/64-72-81	3037F/66-74-83	3106F/69-76-84
-2	3787	2784F/56-65-76	2978F/64-72-81	3047F/67-74-83	3116F/69-76-85
-4	3787	2792F/56-66-76	2988F/64-72-81	3056F/67-75-83	3127F/70-77-85
-6	3787	2801F/57-66-76	2998F/65-73-82	3066F/67-75-83	3137F/70-77-85
-8	3787	2810F/57-66-77	3007F/65-73-82	3077F/68-75-84	3148F/71-77-86
-10	3787	2818F/57-67-77	3017F/65-73-82	3087F/68-76-84	3158F/71-78-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2585	2237F/37-42-48	2417F/45-48-53	2479F/48-51-55	2538F/50-53-57
58A	2648	2274F/38-43-49	2456F/46-49-55	2519F/49-52-56	2581F/51-54-58
56A	2713	2311F/39-44-51	2496F/47-50-56	2560F/50-53-58	2624F/52-55-59
54A	2775	2348F/39-45-52	2535F/48-51-57	2600F/50-54-59	2666F/53-56-61
52	2833	2383F/40-46-53	2572F/48-52-58	2638F/51-55-60	2704F/54-57-62
50	2899	2422F/41-47-54	2613F/49-53-60	2680F/52-56-61	2747F/55-58-63
48	2969	2463F/42-48-56	2657F/50-55-61	2724F/53-57-63	2793F/56-59-65
46	3045	2505F/43-49-57	2701F/51-56-62	2769F/54-58-64	2836F/56-60-66
44	3121	2548F/43-50-58	2747F/52-57-64	2813F/55-59-65	2879F/57-61-67
42	3194	2591F/44-51-60	2789F/53-58-65	2854F/55-60-67	2921F/57-62-68
40	3266	2629F/45-52-61	2826F/53-59-66	2892F/55-61-68	2959F/58-63-70
38	3336	2668F/46-53-62	2862F/53-59-67	2929F/56-62-69	2997F/58-64-71
36	3411	2707F/46-54-63	2900F/54-60-68	2967F/56-62-70	3036F/59-65-72
34	3476	2737F/47-55-64	2932F/54-61-69	3000F/57-63-71	3070F/59-65-73
32	3532	2762F/47-55-65	2960F/54-62-70	3028F/57-64-72	3099F/60-66-74
30	3578	2787F/47-56-66	2986F/55-62-71	3055F/57-64-73	3126F/60-67-74
28	3626	2812F/47-56-67	3013F/55-63-72	3083F/58-65-73	3154F/60-67-75
26	3635	2823F/48-57-67	3025F/55-63-72	3095F/58-65-74	3167F/61-68-76
24	3635	2831F/48-57-67	3034F/56-63-72	3104F/58-66-74	3177F/61-68-76
22	3635	2839F/48-57-67	3043F/56-64-73	3114F/59-66-74	3187F/61-68-76
20	3635	2847F/49-58-68	3052F/56-64-73	3123F/59-66-75	3197F/61-68-76
18	3636	2856F/49-58-68	3061F/57-64-73	3133F/59-67-75	3207F/62-69-77
16	3636	2864F/49-58-68	3070F/57-65-73	3143F/60-67-75	3217F/62-69-77
14	3636	2873F/49-58-68	3080F/57-65-73	3152F/60-67-75	3227F/62-69-77
12	3636	2881F/50-59-68	3089F/58-65-74	3162F/60-67-75	3237F/63-70-77
10	3637	2890F/50-59-69	3099F/58-65-74	3172F/60-68-76	3248F/63-70-78
8	3637	2899F/50-59-69	3109F/58-66-74	3182F/61-68-76	3258F/63-70-78
6	3637	2908F/51-60-69	3119F/58-66-74	3193F/61-68-76	3269F/64-71-78
4	3637	2917F/51-60-69	3129F/59-66-75	3203F/61-69-76	3280F/64-71-78
2	3638	2926F/51-60-70	3139F/59-67-75	3214F/62-69-77	3291F/64-71-79
0	3638	2935F/51-60-70	3149F/59-67-75	3224F/62-69-77	3303F/65-72-79
-2	3638	2944F/52-61-70	3159F/60-67-75	3235F/62-70-77	3314F/65-72-79
-4	3638	2953F/52-61-70	3169F/60-68-76	3246F/63-70-77	3325F/65-72-79
-6	3637	2962F/52-61-71	3180F/60-68-76	3256F/63-70-78	3337F/66-72-80
-8	3637	2972F/53-62-71	3190F/61-68-76	3268F/63-71-78	3349F/66-73-80
-10	3637	2981F/53-62-71	3201F/61-69-76	3279F/64-71-78	3360F/66-73-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2585	2213F/37-41-47	2389F/45-47-53	2451F/47-50-54	2508F/50-51-56
58A	2648	2250F/38-42-49	2429F/46-49-54	2491F/48-51-56	2550F/51-53-57
56A	2713	2287F/39-43-50	2468F/47-50-55	2531F/49-52-57	2594F/52-54-59
54A	2775	2323F/39-44-51	2507F/47-51-56	2570F/50-53-58	2635F/53-55-60
52	2833	2358F/40-45-52	2544F/48-51-58	2608F/51-54-59	2674F/54-56-61
50	2899	2397F/41-46-54	2585F/49-53-59	2650F/52-55-61	2717F/54-57-62
48	2969	2438F/42-47-55	2629F/50-54-60	2695F/53-56-62	2762F/55-58-64
46	3045	2480F/43-48-56	2673F/51-55-62	2740F/54-57-63	2807F/56-59-65
44	3121	2522F/43-49-58	2718F/52-56-63	2786F/55-58-65	2851F/57-60-66
42	3194	2565F/44-50-59	2763F/53-57-64	2828F/55-59-66	2894F/58-61-68
40	3266	2603F/45-51-60	2801F/53-58-66	2866F/56-60-67	2932F/58-62-69
38	3336	2642F/46-52-62	2837F/54-59-67	2903F/56-61-68	2971F/58-63-70
36	3411	2682F/47-53-63	2875F/54-59-68	2942F/57-62-69	3010F/59-64-71
34	3476	2715F/47-54-64	2907F/54-60-69	2974F/57-62-70	3043F/59-64-72
32	3532	2740F/47-55-65	2934F/55-61-70	3002F/57-63-71	3072F/60-65-73
30	3578	2765F/48-55-65	2961F/55-61-70	3029F/58-64-72	3099F/60-66-74
28	3626	2790F/48-56-66	2987F/55-62-71	3057F/58-64-73	3127F/61-66-75
26	3635	2800F/48-56-66	2999F/56-62-71	3069F/58-65-73	3140F/61-67-75
24	3635	2808F/48-56-67	3008F/56-63-72	3078F/59-65-73	3149F/61-67-75
22	3635	2816F/49-57-67	3017F/56-63-72	3087F/59-65-74	3159F/61-67-75
20	3635	2824F/49-57-67	3026F/57-63-72	3096F/59-65-74	3169F/62-68-76
18	3636	2833F/49-57-67	3035F/57-64-72	3106F/59-66-74	3179F/62-68-76
16	3636	2841F/50-57-67	3044F/57-64-73	3115F/60-66-74	3189F/62-68-76
14	3636	2849F/50-58-68	3053F/58-64-73	3125F/60-66-75	3199F/63-69-76
12	3636	2857F/50-58-68	3063F/58-64-73	3135F/60-67-75	3209F/63-69-77
10	3637	2866F/50-58-68	3072F/58-65-73	3145F/61-67-75	3219F/63-69-77
8	3637	2875F/51-58-68	3082F/58-65-73	3155F/61-67-75	3229F/64-69-77
6	3637	2883F/51-59-69	3092F/59-65-74	3165F/61-67-76	3240F/64-70-77
4	3637	2892F/51-59-69	3102F/59-66-74	3175F/62-68-76	3250F/64-70-78
2	3638	2901F/52-59-69	3111F/59-66-74	3185F/62-68-76	3261F/65-70-78
0	3638	2910F/52-60-69	3121F/60-66-74	3196F/62-68-76	3272F/65-71-78
-2	3638	2919F/52-60-69	3131F/60-66-75	3206F/63-69-77	3283F/65-71-78
-4	3638	2928F/52-60-70	3141F/60-67-75	3217F/63-69-77	3294F/66-71-79
-6	3637	2937F/53-60-70	3152F/61-67-75	3227F/63-69-77	3305F/66-72-79
-8	3637	2946F/53-61-70	3162F/61-67-75	3238F/64-70-77	3317F/66-72-79
-10	3637	2955F/53-61-70	3172F/61-68-76	3249F/64-70-78	3328F/67-72-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2561	2409F/54-58-62	2560F/61-64-66	2610F/61-64-66	2662F/61-64-66
				2577**64-67-69	2592**67-70-72
58A	2617	2448F/55-59-63	2602F/62-65-68	2653F/63-65-68	2705F/63-65-68
				2629**65-68-70	2644**68-71-73
56A	2679	2488F/56-60-65	2647F/63-66-69	2699F/64-67-70	2751F/65-67-70
				2685**65-68-71	2701**68-72-74
54A	2742	2527F/57-62-66	2687F/63-67-70	2742F/65-69-72	2796F/66-69-72
					2758**69-72-75
52A	2802	2561F/57-62-67	2723F/64-68-72	2778F/66-70-73	2835F/67-71-74
					2812**69-73-76
50A	2860	2594F/58-63-68	2758F/64-69-73	2814F/66-71-74	2872F/69-72-76
					2864**69-73-76
48	2925	2631F/58-64-69	2796F/65-70-74	2853F/67-72-76	2912F/69-74-77
46	2997	2669F/59-65-71	2837F/65-71-75	2895F/68-73-77	2954F/70-75-79
44	3070	2708F/59-66-72	2877F/66-72-77	2936F/68-74-78	2996F/71-76-80
42	3150	2730T/59-67-73	2922F/66-73-78	2981F/69-75-80	3042F/71-77-81
40	3228	2745T/59-67-73	2963F/67-74-79	3024F/69-76-81	3086F/72-78-83
38	3298	2761T/59-67-74	3001F/67-75-81	3063F/70-77-82	3125F/72-79-84
36	3364	2777T/59-67-75	3035F/68-76-82	3098F/70-78-83	3161F/73-80-85
34	3429	2794T/58-67-75	3070F/68-77-83	3133F/71-79-84	3197F/73-81-86
32	3495	2811T/58-68-76	3102F/68-77-84	3166F/71-80-85	3231F/73-82-87
30	3545	2829T/58-68-77	3127T/69-78-84	3195F/71-80-86	3261F/74-82-88
28	3589	2847T/59-69-77	3147T/69-78-85	3223F/72-81-87	3289F/74-83-89
26	3633	2866T/59-69-78	3168T/69-79-86	3250F/72-82-88	3318F/75-84-89
24	3660	2886T/59-70-78	3190T/70-80-86	3270F/72-82-88	3338F/75-84-90
22	3660	2907T/60-70-79	3213F/70-80-87	3280F/73-82-89	3349F/75-84-90
20	3660	2928T/60-71-79	3223F/70-81-87	3290F/73-83-89	3359F/76-85-91
18	3660	2950T/61-72-80	3232F/71-81-87	3300F/73-83-89	3370F/76-85-91
16	3660	2973T/62-73-81	3242F/71-81-88	3310F/74-83-89	3381F/76-85-91
14	3660	2995T/62-73-81	3252F/71-82-88	3321F/74-84-90	3392F/77-86-91
12	3661	3018T/63-74-82	3262F/72-82-88	3332F/74-84-90	3403F/77-86-92
10	3661	3042T/64-75-83	3273F/72-82-88	3342F/75-84-90	3414F/77-86-92
8	3661	3066T/65-76-83	3283F/72-82-89	3353F/75-85-90	3426F/78-87-92
6	3662	3090T/65-76-84	3294F/73-83-89	3364F/75-85-91	3437F/78-87-92
4	3662	3105F/65-77-84	3304F/73-83-89	3375F/76-85-91	3449F/78-87-93
2	3662	3115F/66-77-84	3315F/73-83-89	3387F/76-86-91	3461F/79-88-93
0	3662	3124F/66-77-85	3326F/74-84-90	3398F/76-86-91	3476F/79-88-93
-2	3662	3134F/66-78-85	3337F/74-84-90	3409F/77-86-92	3490F/79-88-93
-4	3662	3144F/67-78-85	3348F/75-84-90	3421F/77-87-92	3505F/79-88-93

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-6	3662	3154F/67-78-85	3359F/75-85-91	3433F/77-87-92	3519F/80-89-94
-8	3662	3164F/67-79-86	3371F/75-85-91	3444F/78-87-93	3530F/80-89-94
-10	3662	3174F/68-79-86	3382F/76-85-91	3457F/78-88-93	3542F/81-89-94

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2561	2390F/54-58-61	2538F/61-63-66	2588F/62-64-66	2639F/62-64-66
				2570**63-65-68	2586**66-69-71
58A	2617	2429F/55-59-63	2581F/62-64-67	2631F/63-65-68	2682F/64-65-68
				2622**64-66-69	2638**67-69-72
56A	2679	2469F/56-60-64	2625F/63-65-69	2676F/65-67-70	2728F/65-67-70
					2694**68-70-73
54A	2742	2509F/57-61-65	2668F/63-67-70	2720F/65-68-71	2773F/67-69-72
					2751**68-71-74
52A	2802	2545F/57-62-67	2704F/64-67-71	2759F/66-69-73	2815F/68-71-74
					2806**68-72-75
50A	2860	2578F/58-63-68	2739F/64-68-72	2795F/66-70-74	2852F/69-72-75
48	2925	2614F/58-64-69	2778F/65-69-74	2834F/67-71-75	2892F/69-73-77
46	2997	2653F/59-65-70	2818F/65-70-75	2876F/68-72-76	2934F/70-74-78
44	3070	2691F/59-66-71	2859F/66-71-76	2917F/68-73-78	2976F/71-75-79
42	3150	2730T/60-67-73	2903F/67-73-78	2962F/69-74-79	3022F/71-76-81
40	3228	2745T/60-67-73	2945F/67-74-79	3005F/69-76-80	3066F/72-78-82
38	3298	2761T/59-67-74	2983F/68-74-80	3044F/70-76-82	3106F/72-78-83
36	3364	2777T/59-67-75	3017F/68-75-81	3079F/70-77-83	3141F/73-79-84
34	3429	2794T/59-67-75	3051F/68-76-82	3114F/71-78-84	3177F/73-80-85
32	3495	2811T/59-68-76	3084F/69-77-83	3147F/71-79-85	3211F/74-81-86
30	3545	2829T/59-68-77	3113F/69-78-84	3176F/72-80-86	3241F/74-82-87
28	3589	2847T/59-69-77	3140F/69-78-85	3204F/72-80-87	3269F/74-82-88
26	3633	2866T/59-69-78	3166F/70-79-86	3231F/72-81-87	3297F/75-83-89
24	3660	2886T/60-70-78	3185F/70-79-86	3250F/73-81-88	3318F/75-84-90
22	3660	2907T/61-70-79	3194F/70-80-86	3260F/73-82-88	3328F/75-84-90
20	3660	2928T/61-71-79	3204F/71-80-87	3270F/73-82-88	3338F/76-84-90
18	3660	2950T/62-72-80	3213F/71-80-87	3280F/74-82-89	3349F/76-84-90
16	3660	2973T/63-73-81	3223F/71-81-87	3290F/74-83-89	3360F/76-85-91
14	3660	2995T/63-73-81	3233F/72-81-87	3301F/74-83-89	3370F/77-85-91
12	3661	3018T/64-74-82	3243F/72-81-88	3311F/75-83-89	3381F/77-85-91
10	3661	3042T/65-75-83	3253F/72-82-88	3322F/75-84-90	3392F/77-86-91
8	3661	3066T/65-76-83	3263F/73-82-88	3332F/75-84-90	3403F/78-86-92
6	3662	3077F/65-76-83	3273F/73-82-88	3343F/76-84-90	3414F/78-86-92
4	3662	3087F/66-76-84	3284F/73-83-89	3354F/76-85-90	3426F/79-87-92
2	3662	3096F/66-77-84	3295F/74-83-89	3365F/76-85-91	3437F/79-87-92
0	3662	3106F/66-77-84	3305F/74-83-89	3376F/77-85-91	3449F/79-87-93
-2	3662	3115F/67-77-84	3316F/74-83-90	3387F/77-86-91	3462F/80-88-93
-4	3662	3125F/67-77-85	3327F/75-84-90	3399F/77-86-91	3476F/80-88-93
-6	3662	3135F/67-78-85	3338F/75-84-90	3410F/78-86-92	3491F/80-88-93

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-8	3662	3145F/68-78-85	3349F/76-84-90	3422F/78-87-92	3506F/80-88-93
-10	3662	3155F/68-78-85	3360F/76-85-91	3433F/78-87-92	3519F/81-89-94

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2452	2531F/47-50-54	2688F/48-50-54	2742F/49-50-54	2798F/49-50-54
		2484**51-55-58	2533**61-65-67	2545**64-68-70	2555**67-71-73
58A	2511	2574F/49-52-56	2733F/50-52-56	2788F/50-52-56	2845F/51-52-56
		2536**52-56-59	2585**62-65-68	2598**65-69-71	2608**68-72-74
56A	2572	2619F/51-54-58	2779F/52-54-58	2835F/52-54-58	2893F/52-54-58
		2590**53-56-60	2642**62-66-69	2655**66-69-72	2666**69-73-75
54A	2632	2658F/52-55-59	2825F/53-55-59	2882F/53-55-59	2940F/54-55-59
		2641**53-57-61	2696**62-67-69	2711**66-70-73	2723**69-73-76
52A	2687	2693F/53-57-61	2869F/55-57-61	2927F/55-57-61	2985F/55-57-61
		2689**53-57-61	2748**63-67-70	2764**66-70-73	2778**69-73-76
50A	2743	2728F/54-58-62	2906F/56-58-63	2969F/56-58-63	3030F/57-58-63
			2799**63-67-71	2816**66-71-74	2831**69-74-77
48	2807	2767F/54-59-63	2947F/57-60-65	3010F/58-60-65	3073F/58-60-65
			2855**63-68-71	2873**66-71-74	2889**70-74-77
46	2876	2807F/54-60-65	2990F/58-62-66	3053F/59-62-66	3118F/59-62-66
			2916**63-68-72	2935**66-71-75	2953**70-75-78
44	2944	2847F/55-61-66	3032F/60-64-68	3096F/60-64-68	3162F/61-64-68
			2976**63-68-73	2997**66-72-75	3015**70-75-79
42	3022	2892F/55-62-67	3079F/61-66-71	3144F/62-66-71	3211F/62-66-71
			3043**63-69-73	3065**66-72-76	3085**70-75-79
40	3096	2933F/56-63-69	3123F/62-68-73	3189F/63-68-73	3256F/64-68-73
			3106**63-69-74	3130**66-73-77	3151**70-76-80
38	3161	2971F/56-64-70	3162F/63-70-74	3229F/64-70-74	3299F/65-70-74
				3186**67-73-77	3209**70-76-80
36	3219	3004F/56-64-71	3198F/64-70-75	3266F/65-71-76	3337F/66-71-76
				3236**67-73-78	3261**70-77-81
34	3278	3038F/57-65-72	3234F/64-71-76	3304F/66-72-77	3375F/67-72-77
				3288**67-74-79	3314**70-77-82
32	3336	3069F/57-66-73	3268F/64-72-77	3339F/67-74-79	3412F/68-74-79
				3337**67-74-79	3365**70-77-82
30	3382	3097F/57-67-73	3299F/65-73-78	3371F/67-75-80	3444F/68-75-80
					3406**70-78-83
28	3424	3124F/58-67-74	3328F/65-73-79	3401F/67-75-81	3479F/69-76-81
					3444**70-78-83
26	3467	3149F/58-68-75	3357F/65-74-80	3430F/68-76-81	3516F/69-77-82
					3485**71-78-84
24	3492	3168F/58-68-75	3377F/66-74-80	3451F/68-76-82	3537F/70-77-82
					3511**71-79-84
22	3492	3177F/58-69-76	3387F/66-75-80	3463F/68-77-82	3548F/70-77-82
					3516**71-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT	CLIMB	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)			
C	100KG	-10	0	10	20
20	3492	3186F/59-69-76	3398F/66-75-81	3476F/69-77-82	3559F/70-77-82
					3520**72-80-85
18	3492	3196F/59-69-76	3408F/66-75-81	3490F/69-77-82	3569F/70-77-82
					3524**72-80-85
16	3493	3205F/59-69-76	3419F/67-75-81	3504F/69-77-82	3580F/70-77-82
				3497**69-77-83	3529**73-81-86
14	3493	3215F/60-70-76	3430F/67-76-81	3517F/69-77-82	3592F/70-77-82
				3502**70-78-83	3533**73-81-86
12	3493	3224F/60-70-77	3441F/67-76-82	3528F/69-77-82	3603F/70-77-82
				3507**70-78-84	3538**74-82-87
10	3493	3234F/60-70-77	3452F/68-76-82	3539F/69-77-82	3614F/70-77-82
				3513**71-79-84	3542**74-82-87
8	3493	3244F/60-71-77	3465F/68-77-82	3550F/70-77-82	3626F/70-77-82
				3518**71-79-84	3547**75-83-88
6	3494	3254F/61-71-77	3479F/68-77-82	3561F/70-77-82	3637F/70-77-82
				3522**72-80-85	3551**75-83-88
4	3494	3264F/61-71-78	3493F/69-77-82	3573F/70-77-82	3649F/70-77-82
				3527**72-80-85	3556**76-84-89
2	3494	3274F/61-71-78	3507F/69-77-82	3584F/70-77-82	3661F/71-77-82
			3499**69-78-83	3531**73-81-86	3560**76-85-89
0	3494	3284F/62-72-78	3520F/69-77-82	3595F/70-77-82	3672F/71-77-82
			3505**69-78-83	3536**73-82-86	3565**77-85-90
-2	3494	3295F/62-72-78	3531F/69-77-82	3607F/70-77-82	3684F/71-77-82
			3510**70-79-84	3540**74-82-87	3569**77-86-90
-4	3494	3305F/62-72-79	3542F/69-77-82	3619F/70-77-82	3697F/71-77-82
			3515**70-79-84	3545**74-83-87	3573**78-86-91
-6	3494	3316F/63-73-79	3554F/69-77-82	3630F/70-77-82	3709F/71-77-82
			3520**71-80-85	3550**75-83-88	3577**78-87-91
-8	3494	3327F/63-73-79	3565F/69-77-82	3642F/70-77-82	3721F/71-77-82
			3524**71-80-85	3554**75-84-88	3581**79-87-92
-10	3494	3338F/63-73-79	3577F/69-77-82	3654F/70-77-82	3733F/71-77-82
			3529**72-81-86	3559**76-84-89	3586**79-88-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2452	2509F/48-50-54	2664F/49-50-54	2718F/49-50-54	2773F/49-50-54
		2477**51-54-57	2527**60-63-66	2541**63-67-69	2552**67-70-72
58A	2511	2552F/50-52-56	2709F/50-52-56	2763F/51-52-56	2819F/51-52-56
		2528**52-55-58	2580**61-64-67	2593**64-67-70	2604**67-71-73
56A	2572	2597F/51-54-58	2755F/52-54-58	2810F/52-54-58	2867F/53-54-58
		2582**52-55-59	2636**62-65-68	2650**65-68-71	2662**68-72-74
54A	2632	2639F/53-55-59	2801F/54-55-59	2857F/54-55-59	2914F/54-55-59
		2634**53-56-60	2691**62-65-68	2706**65-69-71	2720**68-72-74
52A	2687	2675F/53-57-61	2845F/55-57-61	2901F/55-57-61	2959F/56-57-61
			2742**62-66-69	2759**65-69-72	2773**69-72-75
50A	2743	2710F/54-57-62	2886F/56-58-63	2945F/57-58-63	3003F/57-58-63
			2792**62-66-70	2810**66-69-73	2826**69-73-76
48	2807	2748F/54-58-63	2927F/58-60-65	2988F/58-60-65	3051F/59-60-65
			2848**63-67-70	2867**66-70-73	2884**69-73-76
46	2876	2789F/55-59-64	2970F/59-62-66	3032F/59-62-66	3096F/60-62-66
			2909**63-67-71	2929**66-70-74	2947**69-74-77
44	2944	2829F/55-60-65	3012F/60-64-68	3076F/61-64-68	3140F/61-64-68
			2969**63-67-72	2990**66-71-75	3009**69-74-78
42	3022	2873F/55-61-67	3059F/62-66-71	3123F/62-66-71	3189F/63-66-71
			3036**63-68-72	3058**66-71-75	3079**69-74-78
40	3096	2915F/56-62-68	3103F/63-68-73	3168F/64-68-73	3235F/64-68-73
			3099**63-68-73	3122**66-71-76	3144**70-75-79
38	3161	2952F/56-63-69	3142F/63-69-74	3208F/65-70-74	3276F/65-70-74
				3178**66-72-76	3202**70-75-79
36	3219	2985F/57-64-70	3177F/64-70-75	3244F/66-71-76	3314F/66-71-76
				3228**66-72-77	3254**70-76-80
34	3278	3019F/57-65-71	3213F/64-71-76	3282F/67-72-77	3353F/67-72-77
				3280**67-73-78	3306**70-76-81
32	3336	3050F/57-65-72	3247F/64-71-77	3317F/67-73-78	3389F/68-74-79
					3357**70-76-81
30	3382	3079F/58-66-73	3278F/65-72-78	3349F/67-74-79	3422F/69-75-80
					3398**70-77-82
28	3424	3105F/58-67-74	3307F/65-73-78	3379F/68-75-80	3452F/70-76-81
					3435**70-77-82
26	3467	3131F/58-67-74	3335F/65-73-79	3408F/68-75-81	3488F/70-77-82
					3475**71-77-83
24	3492	3149F/58-68-75	3356F/66-74-80	3429F/68-76-81	3515F/70-77-82
					3500**71-78-83
22	3492	3158F/59-68-75	3366F/66-74-80	3439F/69-76-82	3525F/71-77-82
					3505**71-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3492	3167F/59-68-75	3376F/66-74-80	3450F/69-76-82	3536F/71-77-82
					3510**72-79-84
18	3492	3176F/59-69-76	3387F/67-75-80	3462F/69-77-82	3547F/71-77-82
					3516**72-79-84
16	3493	3185F/60-69-76	3397F/67-75-81	3475F/69-77-82	3558F/71-77-82
					3520**73-80-85
14	3493	3195F/60-69-76	3408F/67-75-81	3489F/70-77-82	3569F/71-77-82
					3524**73-80-85
12	3493	3204F/60-69-76	3418F/68-75-81	3503F/70-77-82	3580F/71-77-82
				3497**70-77-83	3529**74-81-86
10	3493	3214F/61-70-76	3429F/68-76-81	3516F/70-77-82	3591F/71-77-82
				3502**71-78-83	3533**74-81-86
8	3493	3224F/61-70-77	3440F/68-76-82	3527F/70-77-82	3602F/71-77-82
				3507**71-78-84	3538**75-82-87
6	3494	3234F/61-70-77	3451F/69-76-82	3538F/70-77-82	3614F/71-77-82
				3513**72-79-84	3542**75-82-87
4	3494	3243F/61-71-77	3464F/69-77-82	3550F/70-77-82	3625F/71-77-82
				3518**72-79-84	3547**76-83-88
2	3494	3253F/62-71-77	3478F/69-77-82	3561F/71-77-82	3637F/71-77-82
				3522**73-80-85	3552**76-83-88
0	3494	3263F/62-71-78	3493F/70-77-82	3572F/71-77-82	3649F/71-77-82
				3527**73-80-85	3556**77-84-89
-2	3494	3274F/62-71-78	3507F/70-77-82	3584F/71-77-82	3660F/71-77-82
			3499**70-78-83	3531**74-81-86	3560**77-85-89
-4	3494	3284F/63-72-78	3520F/70-77-82	3595F/71-77-82	3672F/71-77-82
			3504**70-78-83	3536**74-82-86	3564**78-85-90
-6	3494	3295F/63-72-78	3531F/70-77-82	3607F/71-77-82	3684F/72-77-82
			3510**71-79-84	3540**75-82-87	3569**78-86-90
-8	3494	3305F/63-72-79	3542F/70-77-82	3619F/71-77-82	3696F/72-77-82
			3515**71-79-84	3545**75-83-87	3573**79-86-91
-10	3494	3316F/64-73-79	3554F/70-77-82	3630F/71-77-82	3708F/72-77-82
			3520**72-80-85	3549**76-83-88	3577**79-87-91

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2629F/57-65-69	2795F/64-70-74	2853F/67-71-74	2911F/69-71-74
				2835**67-73-76	2853**70-76-79
58A	2891	2668F/58-66-70	2836F/64-71-75	2894F/67-73-76	2953F/70-73-76
					2909**70-77-79
56A	2960	2707F/58-67-71	2877F/65-72-76	2936F/67-74-78	2996F/71-75-78
					2970**70-77-80
54	3029	2746F/58-68-73	2918F/66-73-77	2977F/68-75-79	3039F/71-77-80
					3032**70-78-81
52	3102	2786F/59-69-74	2960F/66-75-79	3021F/69-77-80	3083F/71-78-82
50	3173	2826F/59-70-75	3002F/67-76-80	3064F/69-78-82	3127F/72-80-83
48	3249	2868F/60-71-77	3047F/67-77-81	3109F/70-79-83	3173F/72-81-85
46	3330	2910F/60-72-78	3092F/68-78-83	3155F/70-80-84	3219F/73-82-86
44	3409	2951F/61-73-79	3136F/68-79-84	3199F/71-81-86	3264F/73-83-87
42	3488	2994F/61-74-81	3180F/69-80-86	3244F/71-82-87	3311F/74-84-89
40	3571	3024T/61-74-82	3221F/69-81-87	3287F/72-83-88	3356F/74-85-90
38	3652	3041T/62-75-82	3265F/69-82-88	3333F/72-84-90	3402F/74-86-91
36	3729	3059T/63-75-83	3306F/70-83-89	3375F/72-85-91	3446F/75-87-93
34	3787	3078T/64-75-84	3344F/70-84-90	3414F/73-86-92	3493F/75-87-93
32	3787	3097T/63-75-84	3378F/70-84-91	3450F/73-86-93	3533F/75-88-94
30	3787	3116T/63-76-85	3413F/70-85-92	3492F/73-87-94	3568F/76-89-95
28	3787	3139T/64-77-86	3423F/71-85-92	3505F/73-87-94	3578F/76-89-96
26	3787	3162T/65-77-86	3433F/71-86-93	3517F/73-87-94	3589F/76-90-96
24	3787	3185T/65-78-87	3444F/71-86-93	3528F/74-88-94	3599F/77-90-96
22	3787	3208T/64-79-87	3454F/72-86-93	3538F/74-88-95	3610F/77-90-96
20	3787	3232T/64-80-88	3467F/72-86-93	3549F/74-88-95	3621F/77-91-97
18	3787	3256T/64-80-89	3480F/72-87-94	3559F/75-89-95	3632F/78-91-97
16	3787	3273F/64-81-89	3494F/72-87-94	3570F/75-89-95	3643F/78-91-97
14	3787	3283F/65-81-89	3507F/73-87-94	3581F/76-89-96	3654F/78-92-97
12	3787	3293F/65-81-89	3520F/73-87-94	3592F/76-90-96	3665F/79-92-98
10	3787	3303F/65-82-90	3530F/73-88-94	3603F/76-90-96	3676F/79-92-98
8	3787	3313F/66-82-90	3541F/74-88-95	3614F/77-90-96	3688F/79-93-98
6	3787	3323F/66-82-90	3552F/74-88-95	3625F/77-91-97	3699F/80-93-99
4	3787	3334F/66-83-90	3563F/74-89-95	3636F/77-91-97	3711F/80-93-99
2	3787	3344F/67-83-91	3574F/75-89-95	3648F/78-91-97	3723F/81-94-99
0	3787	3355F/67-83-91	3585F/75-89-96	3659F/78-92-98	3734F/81-94-99
-2	3787	3365F/67-84-91	3596F/76-90-96	3671F/78-92-98	3746F/81-94-00
-4	3787	3376F/68-84-91	3607F/76-90-96	3682F/79-92-98	3758F/82-95-00
-6	3787	3386F/68-84-92	3619F/76-90-97	3694F/79-93-98	3770F/82-95-00
-8	3787	3397F/68-85-92	3630F/77-91-97	3706F/80-93-99	3783F/83-95-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3787	3408F/69-85-92	3642F/77-91-97	3718F/80-93-99	3787F/83-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2684F/61-67-70	2788*/70-70-73	2812*/68-71-74	2836*/69-71-74
			2795**70-73-76	2822**73-76-79	2849**76-79-81
58A	2891	2724F/62-68-72	2848*/68-72-75	2873*/69-73-76	2897*/70-73-76
			2851**70-74-77	2880**73-77-79	2907**76-80-82
56A	2960	2763F/63-69-73	2912*/70-74-77	2937*/71-74-78	2961*/71-75-78
				2941**73-77-80	2970**76-80-83
54	3029	2802F/63-70-74	2969*/70-75-79	3001*/73-76-80	3027*/73-77-80
				3002**73-77-80	3032**76-80-83
52	3102	2842F/63-71-76	3020F/71-76-80	3064*/73-78-82	3095*/75-79-82
					3097**76-80-83
50	3173	2883F/64-72-77	3063F/71-78-82	3124*/74-79-83	3160*/77-81-84
48	3249	2925F/64-73-78	3108F/72-79-83	3171F/74-81-85	3224*/77-82-86
46	3330	2967F/65-74-80	3153F/72-80-84	3216F/75-82-86	3282F/77-84-88
44	3409	2990T/65-74-80	3197F/73-81-86	3261F/75-83-87	3328F/78-85-89
42	3488	3007T/65-74-81	3241F/73-82-87	3308F/76-84-89	3376F/78-86-90
40	3571	3024T/64-74-82	3284F/73-83-88	3352F/76-85-90	3421F/78-87-92
38	3652	3041T/64-75-82	3329F/74-84-90	3398F/76-86-91	3472F/79-88-93
36	3729	3059T/64-75-83	3370F/74-85-91	3441F/77-87-92	3524F/79-88-94
34	3787	3078T/64-75-84	3409F/74-85-92	3487F/77-87-93	3563F/79-89-95
32	3787	3097T/63-75-84	3431T/75-86-92	3528F/77-88-94	3599F/80-90-96
30	3787	3116T/63-76-85	3454T/75-86-93	3562F/77-89-95	3634F/80-91-97
28	3787	3139T/64-77-86	3497F/75-87-94	3572F/78-89-95	3644F/80-91-97
26	3787	3162T/65-77-86	3510F/75-87-94	3583F/78-89-96	3655F/81-92-97
24	3787	3185T/65-78-87	3522F/76-88-94	3593F/78-90-96	3666F/81-92-98
22	3787	3208T/66-79-87	3532F/76-88-94	3604F/79-90-96	3677F/81-92-98
20	3787	3232T/67-80-88	3542F/76-88-95	3614F/79-90-96	3688F/82-93-98
18	3787	3256T/67-80-89	3553F/77-88-95	3625F/79-91-97	3699F/82-93-99
16	3787	3282T/68-81-89	3563F/77-89-95	3636F/80-91-97	3710F/83-93-99
14	3787	3308T/69-82-90	3574F/77-89-95	3647F/80-91-97	3721F/83-94-99
12	3787	3334T/70-83-90	3585F/78-89-96	3658F/81-92-98	3733F/83-94-99
10	3787	3361T/70-83-91	3596F/78-90-96	3670F/81-92-98	3744F/84-94-00
8	3787	3378F/70-84-91	3607F/78-90-96	3681F/81-92-98	3756F/84-95-00
6	3787	3388F/71-84-92	3618F/79-90-97	3692F/82-93-98	3768F/84-95-00
4	3787	3399F/71-85-92	3630F/79-91-97	3704F/82-93-99	3780F/85-95-01
2	3787	3410F/71-85-92	3641F/80-91-97	3716F/82-93-99	3787F/85-96-01
0	3787	3420F/72-85-92	3652F/80-91-97	3727F/83-94-99	3787F/86-96-01
-2	3787	3431F/72-86-93	3664F/80-92-98	3739F/83-94-00	3787F/86-96-01
-4	3787	3442F/72-86-93	3675F/81-92-98	3751F/84-94-00	3787F/86-96-01
-6	3787	3453F/73-86-93	3687F/81-93-98	3763F/84-95-00	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-8	3787	3467F/73-86-93	3698F/81-93-99	3775F/84-95-00	3787F/86-96-01
-10	3787	3481F/73-87-94	3710F/82-93-99	3787F/85-96-01	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2729F/60-68-72	2896F/68-71-74	2954F/68-71-74	2987*/69-71-74
			2848**68-75-78	2864**72-78-81	2878**75-82-84
58A	2891	2769F/61-69-73	2938F/69-73-76	2997F/69-73-76	3043*/70-73-76
			2905**69-76-79	2921**72-79-82	2935**75-82-84
56A	2960	2809F/61-70-74	2981F/69-75-78	3040F/71-75-78	3101F/71-75-78
			2966**69-76-79	2983**72-80-82	2998**75-83-85
54	3029	2849F/62-71-76	3023F/69-77-80	3084F/72-77-80	3145F/73-77-80
				3045**72-80-83	3062**76-83-86
52	3102	2890F/62-72-77	3067F/69-78-82	3129F/72-79-83	3191F/74-79-83
				3110**72-81-84	3128**76-84-87
50	3173	2932F/63-73-78	3111F/70-79-83	3173F/72-81-85	3236F/76-81-85
					3192**76-84-87
48	3249	2957T/64-74-79	3157F/70-80-84	3220F/73-82-86	3284F/76-83-87
					3259**76-85-88
46	3330	2973T/65-74-80	3203F/71-81-86	3266F/73-83-87	3333F/76-85-89
44	3409	2990T/65-74-80	3248F/71-82-87	3313F/74-84-89	3381F/76-86-90
42	3488	3007T/65-74-81	3294F/72-83-88	3361F/74-85-90	3430F/77-87-92
40	3571	3024T/64-74-82	3338F/72-84-90	3406F/75-86-91	3482F/77-88-93
38	3652	3041T/64-75-82	3365T/73-85-90	3454F/75-87-93	3536F/77-89-94
36	3729	3059T/64-75-83	3387T/74-85-91	3509F/75-88-93	3579F/78-90-95
34	3787	3078T/64-75-84	3409T/74-85-92	3549F/75-89-94	3618F/78-91-96
32	3787	3097T/63-75-84	3431T/75-86-92	3585F/76-90-96	3655F/78-92-97
30	3787	3116T/63-76-85	3454T/75-86-93	3619F/76-90-97	3690F/79-93-98
28	3787	3139T/64-77-86	3501T/75-87-94	3630F/76-91-97	3701F/79-93-99
26	3787	3162T/65-77-86	3532T/75-88-94	3640F/77-91-97	3712F/79-93-99
24	3787	3185T/65-78-87	3557T/75-89-95	3651F/77-91-97	3723F/80-94-99
22	3787	3208T/66-79-87	3583T/75-89-96	3661F/77-92-98	3734F/80-94-99
20	3787	3232T/67-80-88	3601F/75-90-96	3672F/78-92-98	3745F/81-94-00
18	3787	3256T/67-80-89	3611F/75-90-96	3683F/78-92-98	3756F/81-95-00
16	3787	3282T/68-81-89	3622F/76-91-97	3694F/78-93-98	3767F/81-95-00
14	3787	3308T/69-82-90	3633F/76-91-97	3705F/79-93-99	3779F/82-95-00
12	3787	3334T/70-83-90	3644F/76-91-97	3716F/79-93-99	3787F/82-96-01
10	3787	3361T/70-83-91	3655F/77-92-97	3728F/80-94-99	3787F/83-96-01
8	3787	3389T/70-84-92	3666F/77-92-98	3739F/80-94-00	3787F/83-96-01
6	3787	3417T/70-85-92	3677F/77-92-98	3751F/80-94-00	3787F/84-96-01
4	3787	3446T/70-86-93	3688F/78-93-98	3762F/81-95-00	3787F/85-96-01
2	3787	3476F/70-87-93	3700F/78-93-99	3774F/81-95-00	3787F/85-96-01
0	3787	3489F/70-87-94	3711F/79-93-99	3786F/81-95-01	3787F/86-96-01
-2	3787	3503F/70-87-94	3723F/79-94-99	3787F/82-96-01	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-4	3787	3516F/71-87-94	3734F/79-94-99	3787F/83-96-01	3787F/86-96-01
-6	3787	3527F/71-88-94	3746F/80-94-00	3787F/83-96-01	3787F/86-96-01
-8	3787	3538F/71-88-95	3758F/80-95-00	3787F/84-96-01	3787F/86-96-01
-10	3787	3549F/72-88-95	3770F/80-95-00	3787F/85-96-01	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2629F/57-65-69	2795F/64-70-74	2853F/67-71-74	2911F/69-71-74
				2835**67-73-76	2853**70-76-79
58A	2891	2668F/58-66-70	2836F/64-71-75	2894F/67-73-76	2953F/70-73-76
					2909**70-77-79
56A	2960	2707F/58-67-71	2877F/65-72-76	2936F/67-74-78	2996F/71-75-78
					2970**70-77-80
54	3029	2746F/58-68-73	2918F/66-73-77	2977F/68-75-79	3039F/71-77-80
					3032**70-78-81
52	3102	2786F/59-69-74	2960F/66-75-79	3021F/69-77-80	3083F/71-78-82
50	3173	2826F/59-70-75	3002F/67-76-80	3064F/69-78-82	3127F/72-80-83
48	3249	2868F/60-71-77	3047F/67-77-81	3109F/70-79-83	3173F/72-81-85
46	3330	2910F/60-72-78	3092F/68-78-83	3155F/70-80-84	3219F/73-82-86
44	3409	2951F/61-73-79	3136F/68-79-84	3199F/71-81-86	3264F/73-83-87
42	3488	2994F/61-74-81	3180F/69-80-86	3244F/71-82-87	3311F/74-84-89
40	3571	3024T/61-74-82	3221F/69-81-87	3287F/72-83-88	3356F/74-85-90
38	3652	3041T/62-75-82	3265F/69-82-88	3333F/72-84-90	3402F/74-86-91
36	3729	3059T/63-75-83	3306F/70-83-89	3375F/72-85-91	3446F/75-87-93
34	3787	3078T/64-75-84	3344F/70-84-90	3414F/73-86-92	3493F/75-87-93
32	3787	3097T/63-75-84	3378F/70-84-91	3450F/73-86-93	3533F/75-88-94
30	3787	3116T/63-76-85	3413F/70-85-92	3492F/73-87-94	3568F/76-89-95
28	3787	3139T/64-77-86	3423F/71-85-92	3505F/73-87-94	3578F/76-89-96
26	3787	3162T/65-77-86	3433F/71-86-93	3517F/73-87-94	3589F/76-90-96
24	3787	3185T/65-78-87	3444F/71-86-93	3528F/74-88-94	3599F/77-90-96
22	3787	3208T/64-79-87	3454F/72-86-93	3538F/74-88-95	3610F/77-90-96
20	3787	3232T/64-80-88	3467F/72-86-93	3549F/74-88-95	3621F/77-91-97
18	3787	3256T/64-80-89	3480F/72-87-94	3559F/75-89-95	3632F/78-91-97
16	3787	3273F/64-81-89	3494F/72-87-94	3570F/75-89-95	3643F/78-91-97
14	3787	3283F/65-81-89	3507F/73-87-94	3581F/76-89-96	3654F/78-92-97
12	3787	3293F/65-81-89	3520F/73-87-94	3592F/76-90-96	3665F/79-92-98
10	3787	3303F/65-82-90	3530F/73-88-94	3603F/76-90-96	3676F/79-92-98
8	3787	3313F/66-82-90	3541F/74-88-95	3614F/77-90-96	3688F/79-93-98
6	3787	3323F/66-82-90	3552F/74-88-95	3625F/77-91-97	3699F/80-93-99
4	3787	3334F/66-83-90	3563F/74-89-95	3636F/77-91-97	3711F/80-93-99
2	3787	3344F/67-83-91	3574F/75-89-95	3648F/78-91-97	3723F/81-94-99
0	3787	3355F/67-83-91	3585F/75-89-96	3659F/78-92-98	3734F/81-94-99
-2	3787	3365F/67-84-91	3596F/76-90-96	3671F/78-92-98	3746F/81-94-00
-4	3787	3376F/68-84-91	3607F/76-90-96	3682F/79-92-98	3758F/82-95-00
-6	3787	3386F/68-84-92	3619F/76-90-97	3694F/79-93-98	3770F/82-95-00
-8	3787	3397F/68-85-92	3630F/77-91-97	3706F/80-93-99	3783F/83-95-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3787	3408F/69-85-92	3642F/77-91-97	3718F/80-93-99	3787F/83-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2771F/54-57-62	2902*/56-57-62	2926*/56-57-62	2949*/56-57-62
		2732**54-61-65	2787**64-70-73	2802**67-74-76	2814**70-77-79
58A	2774	2812F/54-59-63	2964*/57-59-63	2989*/58-59-63	3013*/58-59-63
		2788**54-61-65	2844**64-71-74	2859**67-74-77	2872**71-77-80
56A	2841	2854F/54-61-65	3025*/58-61-65	3052*/59-61-65	3078*/59-61-65
		2845**54-62-66	2904**64-71-75	2921**67-75-78	2935**71-78-81
54	2906	2894F/54-62-67	3083F/60-63-67	3114*/60-63-67	3141*/61-63-67
			2965**64-72-75	2982**67-75-78	2997**71-78-81
52	2974	2937F/55-63-68	3127F/61-65-69	3178*/61-65-69	3206*/62-65-69
			3026**64-72-76	3045**68-76-79	3062**71-79-82
50	3043	2979F/55-64-69	3172F/62-66-71	3239F/63-66-71	3271*/63-66-71
			3087**64-73-77	3108**68-76-80	3126**71-79-83
48	3119	3024F/55-65-71	3219F/64-68-73	3288F/64-68-73	3342*/65-68-73
			3154**64-73-77	3174**68-77-80	3193**71-80-83
46	3195	3068F/56-66-72	3266F/65-70-75	3337F/65-70-75	3409F/66-70-75
			3220**64-74-78	3242**68-77-81	3263**71-80-84
44	3269	3111F/56-67-73	3313F/65-72-77	3385F/67-72-77	3459F/67-72-77
			3285**64-74-79	3309**68-77-82	3331**71-81-85
42	3346	3156F/57-68-75	3362F/64-74-79	3434F/68-74-79	3520F/69-74-79
			3352**64-75-80	3376**68-78-83	3399**71-81-86
40	3420	3197F/57-69-76	3406F/64-75-81	3486F/68-76-81	3565F/70-76-81
				3442**68-78-83	3469**71-82-86
38	3498	3240F/57-70-77	3454F/65-76-82	3539F/68-77-82	3612F/71-77-82
				3514**68-79-84	3540**71-82-87
36	3570	3281F/57-71-78	3507F/65-77-83	3581F/68-79-84	3656F/72-79-84
				3574**68-79-84	3602**71-82-87
34	3636	3318F/58-72-79	3547F/65-78-84	3621F/68-80-85	3696F/72-80-86
					3659**71-83-88
32	3699	3351F/58-73-80	3582F/65-78-85	3656F/68-81-86	3732F/72-82-87
					3712**71-83-89
30	3757	3384F/58-73-81	3616F/66-79-85	3691F/68-81-87	3768F/71-83-89
					3761**71-84-89
28	3757	3394F/58-73-81	3626F/66-79-86	3702F/69-82-87	3779F/72-83-89
					3766**72-84-90
26	3757	3403F/59-74-81	3637F/66-80-86	3713F/69-82-88	3787F/73-83-89
					3770**72-85-90
24	3757	3413F/59-74-81	3647F/67-80-86	3724F/69-82-88	3787F/73-83-89
					3775**73-85-90
22	3758	3423F/59-74-82	3658F/67-80-86	3735F/70-82-88	3787F/74-83-89
					3780**73-86-91

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3433F/59-75-82	3669F/67-81-87	3746F/70-83-88	3787F/74-83-89
					3784**74-86-91
18	3758	3444F/60-75-82	3680F/68-81-87	3757F/70-83-89	3787F/75-83-89
					3787**74-86-92
16	3758	3454F/60-75-82	3690F/68-81-87	3768F/71-83-89	3787F/75-83-89
				3762**71-84-89	3787**75-86-92
14	3758	3466F/60-75-83	3702F/68-82-87	3780F/72-83-89	3787F/75-83-89
				3767**71-84-90	3787**75-86-92
12	3759	3479F/60-76-83	3713F/69-82-88	3787F/72-83-89	3787F/75-83-89
				3772**72-85-90	3787**76-86-92
10	3759	3493F/61-76-83	3724F/69-82-88	3787F/73-83-89	3787F/75-83-89
				3777**72-85-91	3787**77-86-92
8	3759	3506F/61-76-83	3736F/69-83-88	3787F/73-83-89	3787F/75-83-89
				3782**73-86-91	3787**77-86-92
6	3760	3518F/61-76-83	3747F/70-83-89	3787F/74-83-89	3787F/75-83-89
				3786**73-86-91	3787**78-86-92
4	3760	3529F/62-77-83	3759F/70-83-89	3787F/75-83-89	3787F/76-83-89
				3787**74-86-92	3787**78-86-92
2	3760	3539F/62-77-84	3770F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3764**71-84-89	3787**75-86-92	3787**78-86-92
0	3760	3550F/62-77-84	3782F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3769**71-84-90	3787**75-86-92	3787**78-86-92
-2	3760	3561F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3774**72-85-90	3787**76-86-92	3787**78-86-92
-4	3760	3572F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3778**72-85-91	3787**76-86-92	3787**78-86-92
-6	3760	3582F/63-78-85	3787F/73-83-89	3787F/75-83-89	3787F/76-83-89
			3783**73-86-91	3787**77-86-92	3787**78-86-92
-8	3759	3594F/64-78-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**73-86-92	3787**78-86-92	3787**79-86-92
-10	3759	3605F/64-79-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**74-86-92	3787**78-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2647*/53-55-60	2713*/56-57-62	2735*/56-57-62	2756*/56-57-62
		2681**61-65-69	2761**70-73-76	2785**71-75-78	2810**73-77-80
58A	2774	2710*/54-57-62	2777*/57-59-63	2799*/58-59-63	2820*/58-59-63
		2737**61-65-69	2819**70-74-77	2844**72-76-78	2869**77-77-79
56A	2841	2773*/56-59-64	2841*/58-61-65	2863*/59-61-65	2884*/59-61-65
		2795**61-65-69	2881**70-74-77	2908**74-77-80	2933**75-78-81
54	2906	2834*/57-61-65	2903*/60-63-67	2925*/60-63-67	2947*/61-63-67
		2851**61-65-69	2942**71-74-78	2970**74-77-81	2997**77-80-83
52	2974	2897*/62-62-67	2968*/61-64-69	2990*/61-65-69	3012*/62-65-69
		2909**61-66-70	3004**71-74-78	3034**74-77-81	3063**77-80-84
50	3043	2962*/60-64-69	3034*/63-66-71	3055*/63-66-71	3078*/63-66-71
		2967**61-67-72	3066**71-74-78	3097**74-78-81	3128**77-81-84
48	3119	3029*/61-66-71	3106*/65-68-73	3126*/64-68-73	3150*/65-68-73
			3131**71-74-79	3164**74-78-82	3196**77-81-84
46	3195	3093*/61-67-73	3179*/67-70-75	3198*/65-70-75	3222*/66-70-75
			3198**71-74-79	3232**74-78-82	3265**77-81-85
44	3269	3154*/61-69-74	3248*/71-72-77	3269*/67-72-77	3292*/67-72-77
			3262**71-76-80	3297**74-78-82	3333**77-81-85
42	3346	3210F/61-70-76	3322*/70-73-78	3346*/70-74-79	3365*/69-74-79
			3328**71-77-82	3365**74-79-83	3401**77-81-86
40	3420	3251F/62-71-77	3389*/71-75-80	3419*/72-76-81	3434*/70-76-81
			3392**71-78-83	3430**74-80-85	3470**77-82-86
38	3498	3296F/62-72-78	3456*/71-76-82	3494*/74-77-82	3510*/71-77-82
			3458**71-78-84	3501**74-81-86	3541**77-83-88
36	3570	3337F/62-73-79	3521*/71-77-83	3559*/74-78-84	3575*/72-79-84
			3524**70-79-85	3563**74-82-87	3602**77-84-89
34	3636	3374F/62-73-80	3577*/70-79-84	3615*/74-80-85	3636*/73-80-86
			3579**70-80-86	3619**74-83-88	3659**77-85-90
32	3699	3408F/62-74-81	3628*/70-80-86	3667*/74-81-87	3699*/75-82-87
				3670**74-83-89	3712**77-86-92
30	3757	3441F/63-75-82	3675F/70-81-87	3716*/74-82-88	3756*/77-83-89
				3719**74-84-90	3761**77-87-92
28	3757	3451F/63-75-82	3680*/71-81-87	3720*/74-82-88	3757*/77-83-89
				3723**74-84-90	3765**78-88-93
26	3757	3462F/63-75-82	3684*/71-81-87	3724*/75-82-88	3757*/77-83-89
				3727**75-85-90	3770**78-88-93
24	3757	3475F/63-76-83	3688*/72-81-87	3728*/75-82-88	3757*/76-83-89
			3689**72-82-88	3732**75-85-91	3774**79-89-94
22	3758	3487F/64-76-83	3692*/72-81-87	3732*/76-82-88	3758*/76-83-89
			3694**72-83-89	3736**76-86-91	3778**79-89-94

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3500F/64-76-83	3696*/73-81-87	3736*/76-83-88	3758*/75-83-89
			3698**73-83-89	3740**76-86-92	3783**80-89-94
18	3758	3513F/64-76-83	3699*/73-81-87	3739*/77-83-88	3759*/75-83-89
			3702**73-84-89	3745**77-87-92	3787**80-89-94
16	3758	3523F/65-76-83	3703*/74-82-87	3743*/77-83-88	3761*/75-83-89
			3706**74-84-90	3749**77-87-93	3787**80-86-92
14	3758	3534F/65-77-84	3707*/74-82-88	3747*/78-83-89	3764*/75-83-89
			3711**74-85-90	3753**78-88-93	3787**80-86-92
12	3759	3544F/65-77-84	3711*/75-82-88	3751*/78-83-89	3766*/75-83-89
			3715**75-85-91	3758**78-88-94	3787**79-86-92
10	3759	3555F/65-77-84	3715*/75-82-88	3755*/79-83-89	3769*/75-83-89
			3720**75-86-91	3762**79-88-93	3787**79-86-92
8	3759	3565F/66-78-84	3719*/76-82-88	3758*/80-83-89	3771*/75-83-89
			3724**76-86-92	3767**79-89-94	3787**78-86-92
6	3760	3576F/66-78-85	3723*/76-82-88	3760*/79-83-89	3773*/75-83-89
			3729**76-87-92	3772**80-89-94	3787**78-86-92
4	3760	3587F/66-78-85	3727*/77-82-88	3760*/79-83-89	3775*/76-83-89
			3733**77-87-93	3776**80-89-94	3787**78-86-92
2	3760	3598F/67-79-85	3730*/78-82-88	3760*/78-83-89	3777*/76-83-89
			3738**77-88-93	3780**81-90-95	3787**78-86-92
0	3760	3608F/67-79-85	3734*/78-82-88	3760*/78-83-89	3779*/76-83-89
			3742**78-88-93	3785**82-89-94	3787**78-86-92
-2	3760	3616*/68-79-85	3737*/79-83-88	3760*/77-83-89	3781*/76-83-89
			3746**78-88-93	3787**82-88-93	3787**78-86-92
-4	3760	3619*/68-79-86	3741*/79-83-88	3760*/77-83-89	3783*/76-83-89
			3751**79-88-93	3787**83-86-92	3787**78-86-92
-6	3760	3623*/69-79-86	3742*/79-83-88	3760*/76-83-89	3785*/76-83-89
		3625**69-80-87	3755**80-88-94	3787**82-86-92	3787**78-86-92
-8	3759	3627*/69-79-86	3744*/79-83-88	3759*/76-83-89	3787*/76-83-89
		3629**69-81-87	3759**80-89-94	3787**82-86-92	3787**79-86-92
-10	3759	3631*/70-80-86	3746*/79-83-88	3759*/75-83-89	3787F/76-83-89
		3633**70-82-88	3763**81-89-94	3787**81-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2834*/54-57-62	2911*/56-57-62	2935*/56-57-62	2957*/56-57-62
		2767**59-66-70	2811**69-76-79	2822**72-79-82	2830**76-83-85
58A	2774	2892*/56-59-63	2973*/57-59-63	2998*/58-59-63	3021*/58-59-63
		2824**59-67-70	2869**69-77-79	2880**73-80-82	2888**76-83-86
56A	2841	2951*/57-61-65	3035*/58-61-65	3061*/59-61-65	3087*/59-61-65
		2882**59-67-71	2931**69-77-80	2943**73-80-83	2953**76-84-86
54	2906	3004F/58-63-67	3096*/60-63-67	3124*/60-63-67	3150*/61-63-67
		2941**59-68-72	2994**69-77-81	3008**73-81-84	3019**76-84-87
52	2974	3048F/59-65-69	3159*/61-65-69	3188*/61-65-69	3216*/62-65-69
		3001**59-68-72	3058**69-78-81	3073**73-81-84	3086**76-85-87
50	3043	3091F/59-66-71	3222*/62-66-71	3252*/63-66-71	3282*/63-66-71
		3061**59-69-73	3121**69-78-82	3138**73-82-85	3153**76-85-88
48	3119	3137F/59-68-73	3291*/64-68-73	3323*/64-68-73	3354*/65-68-73
		3126**59-69-74	3189**69-79-83	3206**73-82-86	3221**77-86-89
46	3195	3183F/59-70-75	3360*/65-70-75	3394*/65-70-75	3426*/66-70-75
			3258**69-79-83	3276**73-83-86	3293**77-86-89
44	3269	3228F/59-71-76	3427*/66-72-77	3463*/67-72-77	3503*/67-72-77
			3325**69-80-84	3345**73-83-87	3364**77-86-90
42	3346	3275F/60-72-77	3494F/67-74-79	3540*/68-74-79	3574*/69-74-79
			3393**69-80-85	3415**73-84-88	3434**77-87-91
40	3420	3318F/60-73-79	3543F/68-76-81	3604*/69-76-81	3639*/70-76-81
			3461**69-81-85	3487**73-84-88	3511**76-87-91
38	3498	3364F/60-74-80	3590F/69-77-82	3663F/70-77-82	3703*/71-77-82
			3533**69-81-86	3558**73-84-89	3581**76-88-92
36	3570	3406F/60-75-81	3633F/69-79-84	3707F/71-79-84	3764*/72-79-84
			3594**69-81-87	3620**73-85-90	3645**76-88-93
34	3636	3445F/61-75-82	3673F/69-80-86	3748F/72-80-86	3787F/73-80-86
			3651**69-82-87	3677**73-85-90	3703**76-89-93
32	3699	3485F/61-76-83	3709F/69-82-87	3784F/73-82-87	3787F/74-82-87
			3703**69-82-88	3732**72-85-91	3760**76-89-94
30	3757	3525F/61-77-83	3744F/69-83-88	3787F/73-83-89	3787F/74-83-89
				3782**72-86-91	3787**77-87-92
28	3757	3534F/61-77-84	3755F/69-83-89	3787F/74-83-89	3787F/75-83-89
				3786**73-86-92	3787**77-87-92
26	3757	3544F/61-77-84	3766F/70-83-89	3787F/74-83-89	3787F/75-83-89
			3761**70-84-89	3787**73-86-92	3787**77-86-92
24	3757	3554F/62-77-84	3777F/70-83-89	3787F/74-83-89	3787F/75-83-89
			3765**70-84-90	3787**74-86-92	3787**77-86-92
22	3758	3564F/62-78-84	3787F/71-83-89	3787F/74-83-89	3787F/75-83-89
			3770**71-84-90	3787**75-86-92	3787**77-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3574F/62-78-84	3787F/71-83-89	3787F/74-83-89	3787F/75-83-89
			3774**71-85-90	3787**75-86-92	3787**78-86-92
18	3758	3584F/62-78-85	3787F/72-83-89	3787F/74-83-89	3787F/75-83-89
			3779**72-85-91	3787**76-86-92	3787**78-86-92
16	3758	3595F/63-79-85	3787F/73-83-89	3787F/74-83-89	3787F/75-83-89
			3783**72-86-91	3787**76-86-92	3787**78-86-92
14	3758	3605F/63-79-85	3787F/73-83-89	3787F/74-83-89	3787F/75-83-89
			3787**73-86-92	3787**77-86-92	3787**78-86-92
12	3759	3616F/63-79-85	3787F/73-83-89	3787F/74-83-89	3787F/75-83-89
			3787**73-86-92	3787**77-86-92	3787**78-86-92
10	3759	3626F/64-79-86	3787F/74-83-89	3787F/74-83-89	3787F/75-83-89
			3787**74-86-92	3787**77-86-92	3787**78-86-92
8	3759	3637F/64-80-86	3787F/74-83-89	3787F/74-83-89	3787F/75-83-89
			3787**74-86-92	3787**77-86-92	3787**78-86-92
6	3760	3648F/64-80-86	3787F/74-83-89	3787F/75-83-89	3787F/75-83-89
			3787**75-86-92	3787**77-86-92	3787**78-86-92
4	3760	3659F/65-80-86	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**76-86-92	3787**77-86-92	3787**78-86-92
2	3760	3670F/65-81-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**76-86-92	3787**77-86-92	3787**78-86-92
0	3760	3681F/65-81-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**76-86-92	3787**77-86-92	3787**78-86-92
-2	3760	3692F/66-81-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**77-86-92	3787**78-86-92
-4	3760	3703F/66-82-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**78-86-92
-6	3760	3714F/66-82-88	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**78-86-92
-8	3759	3726F/67-82-88	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**79-86-92
-10	3759	3737F/67-83-88	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2731*/54-57-62	2792*/56-57-62	2811*/56-57-62	2829*/56-57-62
		2732**54-61-65	2787**64-70-73	2802**67-74-76	2814**70-77-79
58A	2774	2790*/54-59-63	2856*/57-59-63	2875*/58-59-63	2894*/58-59-63
		2788**54-61-65	2844**64-71-74	2859**67-74-77	2872**71-77-80
56A	2841	2847*/54-61-65	2920*/58-61-65	2940*/59-61-65	2960*/59-61-65
		2845**54-62-66	2904**64-71-75	2921**67-75-78	2935**71-78-81
54	2906	2894F/54-62-67	2983*/60-63-67	3004*/60-63-67	3024*/61-63-67
			2965**64-72-75	2982**67-75-78	2997**71-78-81
52	2974	2937F/55-63-68	3048*/61-65-69	3070*/61-65-69	3091*/62-65-69
			3026**64-72-76	3045**68-76-79	3062**71-79-82
50	3043	2979F/55-64-69	3114*/62-66-71	3137*/63-66-71	3159*/63-66-71
			3087**64-73-77	3108**68-76-80	3126**71-79-83
48	3119	3024F/55-65-71	3186*/64-68-73	3209*/64-68-73	3232*/65-68-73
			3154**64-73-77	3174**68-77-80	3193**71-80-83
46	3195	3068F/56-66-72	3259*/65-70-75	3283*/65-70-75	3307*/66-70-75
			3220**64-74-78	3242**68-77-81	3263**71-80-84
44	3269	3111F/56-67-73	3313F/65-72-77	3355*/67-72-77	3379*/67-72-77
			3285**64-74-79	3309**68-77-82	3331**71-81-85
42	3346	3156F/57-68-75	3362F/64-74-79	3428*/68-74-79	3453*/69-74-79
			3352**64-75-80	3376**68-78-83	3399**71-81-86
40	3420	3197F/57-69-76	3406F/64-75-81	3486F/68-76-81	3531*/70-76-81
				3442**68-78-83	3469**71-82-86
38	3498	3240F/57-70-77	3454F/65-76-82	3539F/68-77-82	3601*/71-77-82
				3514**68-79-84	3540**71-82-87
36	3570	3281F/57-71-78	3507F/65-77-83	3581F/68-79-84	3656F/72-79-84
				3574**68-79-84	3602**71-82-87
34	3636	3318F/58-72-79	3547F/65-78-84	3621F/68-80-85	3696F/72-80-86
					3659**71-83-88
32	3699	3351F/58-73-80	3582F/65-78-85	3656F/68-81-86	3732F/72-82-87
					3712**71-83-89
30	3757	3384F/58-73-81	3616F/66-79-85	3691F/68-81-87	3768F/71-83-89
					3761**71-84-89
28	3757	3394F/58-73-81	3626F/66-79-86	3702F/69-82-87	3779F/72-83-89
					3766**72-84-90
26	3757	3403F/59-74-81	3637F/66-80-86	3713F/69-82-88	3787F/73-83-89
					3770**72-85-90
24	3757	3413F/59-74-81	3647F/67-80-86	3724F/69-82-88	3787F/73-83-89
					3775**73-85-90
22	3758	3423F/59-74-82	3658F/67-80-86	3735F/70-82-88	3787F/74-83-89
					3780**73-86-91

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3433F/59-75-82	3669F/67-81-87	3746F/70-83-88	3787F/74-83-89
					3784**74-86-91
18	3758	3444F/60-75-82	3680F/68-81-87	3757F/70-83-89	3787F/75-83-89
					3787**74-86-92
16	3758	3454F/60-75-82	3690F/68-81-87	3768F/71-83-89	3787F/75-83-89
				3762**71-84-89	3787**75-86-92
14	3758	3466F/60-75-83	3702F/68-82-87	3780F/72-83-89	3787F/75-83-89
				3767**71-84-90	3787**75-86-92
12	3759	3479F/60-76-83	3713F/69-82-88	3787F/72-83-89	3787F/75-83-89
				3772**72-85-90	3787**76-86-92
10	3759	3493F/61-76-83	3724F/69-82-88	3787F/73-83-89	3787F/75-83-89
				3777**72-85-91	3787**77-86-92
8	3759	3506F/61-76-83	3736F/69-83-88	3787F/73-83-89	3787F/75-83-89
				3782**73-86-91	3787**77-86-92
6	3760	3518F/61-76-83	3747F/70-83-89	3787F/74-83-89	3787F/75-83-89
				3786**73-86-91	3787**78-86-92
4	3760	3529F/62-77-83	3759F/70-83-89	3787F/75-83-89	3787F/76-83-89
				3787**74-86-92	3787**78-86-92
2	3760	3539F/62-77-84	3770F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3764**71-84-89	3787**75-86-92	3787**78-86-92
0	3760	3550F/62-77-84	3782F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3769**71-84-90	3787**75-86-92	3787**78-86-92
-2	3760	3561F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3774**72-85-90	3787**76-86-92	3787**78-86-92
-4	3760	3572F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3778**72-85-91	3787**76-86-92	3787**78-86-92
-6	3760	3582F/63-78-85	3787F/73-83-89	3787F/75-83-89	3787F/76-83-89
			3783**73-86-91	3787**77-86-92	3787**78-86-92
-8	3759	3594F/64-78-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**73-86-92	3787**78-86-92	3787**79-86-92
-10	3759	3605F/64-79-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**74-86-92	3787**78-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	1952F/32-37-42	2101*/40-43-46	2139*/43-44-48	2169*/44-45-49 2174**45-47-50
58A	2209	1980F/33-38-43	2132F/41-44-48	2173*/43-45-49	2209*/45-47-50 2211**46-47-50
56A	2255	2010F/34-39-44	2161F/41-45-49	2208*/44-46-50	2248*/46-48-51
54A	2305	2041F/35-40-45	2191F/42-46-50	2243F/44-47-51	2285*/46-49-53
52	2355	2071F/35-41-46	2221F/42-46-51	2273F/44-48-52	2322*/47-50-54
50	2412	2103F/36-42-47	2255F/43-47-52	2308F/45-49-54	2362F/47-51-55
48	2470	2135F/36-43-48	2288F/43-48-53	2342F/45-50-55	2397F/48-52-56
46	2529	2167F/36-43-50	2322F/43-49-54	2377F/46-51-56	2432F/48-53-58
44	2590	2199F/37-44-51	2357F/44-50-55	2412F/46-52-57	2468F/49-54-59
42	2656	2233F/37-45-52	2392F/44-51-57	2449F/47-53-58	2505F/49-55-60
40	2720	2263F/37-46-53	2426F/45-52-58	2482F/47-54-59	2540F/50-56-61
38	2781	2291F/38-47-54	2455F/45-52-59	2513F/47-54-60	2572F/50-56-62
36	2835	2316F/38-47-55	2483F/45-53-60	2541F/48-55-61	2601F/50-57-63
34	2877	2339F/38-48-56	2507F/46-54-61	2565F/48-56-62	2626F/51-58-64
32	2920	2362F/38-48-56	2532F/46-54-61	2591F/48-56-63	2652F/51-58-65
30	2963	2386F/39-49-57	2558F/46-55-62	2618F/49-57-64	2681F/51-59-66
28	3006	2411F/39-50-58	2584F/47-56-63	2644F/49-58-65	2709F/52-60-66
26	3015	2421F/39-50-58	2595F/47-56-63	2656F/49-58-65	2721F/52-60-67
24	3016	2428F/39-50-59	2603F/47-56-64	2665F/50-58-65	2730F/52-60-67
22	3018	2435F/40-51-59	2611F/47-57-64	2674F/50-59-65	2739F/52-61-67
20	3019	2443F/40-51-59	2619F/48-57-64	2682F/50-59-66	2748F/53-61-67
18	3020	2450F/40-51-59	2627F/48-57-64	2691F/51-59-66	2758F/53-61-68
16	3021	2457F/40-51-59	2635F/48-57-65	2700F/51-59-66	2767F/53-61-68
14	3022	2465F/41-52-60	2644F/49-58-65	2709F/51-60-66	2776F/54-62-68
12	3023	2472F/41-52-60	2652F/49-58-65	2718F/51-60-67	2786F/54-62-68
10	3025	2480F/41-52-60	2661F/49-58-65	2727F/52-60-67	2795F/54-62-69
8	3026	2487F/41-52-60	2670F/49-58-65	2737F/52-61-67	2805F/55-63-69
6	3027	2495F/42-53-61	2679F/50-59-66	2746F/52-61-67	2814F/55-63-69
4	3028	2503F/42-53-61	2688F/50-59-66	2755F/53-61-68	2824F/55-63-69
2	3029	2511F/42-53-61	2697F/50-59-66	2765F/53-61-68	2834F/56-63-70
0	3029	2518F/43-53-61	2706F/51-60-66	2774F/53-62-68	2843F/56-64-70
-2	3030	2526F/43-54-61	2715F/51-60-67	2784F/54-62-68	2853F/56-64-70
-4	3030	2534F/43-54-62	2724F/51-60-67	2793F/54-62-69	2863F/56-64-70
-6	3031	2542F/43-54-62	2734F/52-60-67	2803F/54-62-69	2873F/57-65-70
-8	3031	2550F/44-54-62	2743F/52-61-67	2812F/54-63-69	2883F/57-65-71
-10	3031	2558F/44-55-62	2752F/52-61-68	2822F/55-63-69	2893F/57-65-71

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	1930F/32-36-41	2080F/40-42-46	2121*/43-44-47	2152*/45-45-48 2153**45-45-49
58A	2209	1958F/33-37-42	2108F/41-43-47	2155*/43-45-48	2190*/45-46-49
56A	2255	1987F/34-38-43	2137F/41-44-48	2187F/43-46-49	2228*/46-47-51
54A	2305	2017F/34-39-44	2167F/42-45-49	2218F/44-47-51	2267*/46-48-52
52	2355	2047F/35-40-45	2197F/42-45-50	2248F/44-47-52	2300F/47-49-53
50	2412	2081F/36-41-47	2230F/43-46-51	2282F/45-48-53	2335F/47-50-54
48	2470	2112F/36-42-48	2263F/43-47-52	2316F/45-49-54	2370F/48-51-56
46	2529	2144F/37-43-49	2297F/44-48-54	2351F/46-50-55	2405F/48-52-57
44	2590	2177F/37-43-50	2332F/44-49-55	2386F/46-51-56	2442F/49-53-58
42	2656	2211F/37-44-51	2368F/45-50-56	2422F/47-52-58	2478F/49-54-59
40	2720	2241F/38-45-52	2401F/45-51-57	2456F/47-53-59	2513F/50-55-60
38	2781	2268F/38-46-53	2430F/45-52-58	2486F/48-54-60	2544F/50-55-61
36	2835	2293F/38-46-54	2457F/46-52-59	2515F/48-54-61	2573F/50-56-62
34	2877	2316F/38-47-55	2481F/46-53-60	2539F/48-55-61	2598F/51-57-63
32	2920	2339F/39-48-56	2506F/46-54-61	2564F/49-56-62	2624F/51-58-64
30	2963	2363F/39-48-57	2532F/47-54-61	2591F/49-56-63	2651F/52-58-65
28	3006	2387F/39-49-57	2557F/47-55-62	2617F/49-57-64	2680F/52-59-66
26	3015	2397F/40-49-58	2569F/47-55-63	2629F/50-57-64	2692F/52-59-66
24	3016	2404F/40-49-58	2576F/47-55-63	2637F/50-57-65	2701F/53-59-66
22	3018	2412F/40-50-58	2584F/48-56-63	2645F/50-58-65	2709F/53-60-66
20	3019	2419F/40-50-58	2592F/48-56-63	2654F/51-58-65	2718F/53-60-67
18	3020	2426F/41-50-59	2600F/48-56-64	2662F/51-58-65	2727F/53-60-67
16	3021	2433F/41-50-59	2608F/49-56-64	2671F/51-59-65	2736F/54-61-67
14	3022	2440F/41-51-59	2616F/49-57-64	2680F/51-59-66	2745F/54-61-67
12	3023	2448F/41-51-59	2625F/49-57-64	2688F/52-59-66	2754F/54-61-68
10	3025	2455F/42-51-59	2633F/50-57-64	2697F/52-59-66	2763F/55-61-68
8	3026	2463F/42-51-60	2641F/50-58-65	2706F/52-60-66	2773F/55-62-68
6	3027	2470F/42-52-60	2650F/50-58-65	2715F/53-60-67	2782F/55-62-68
4	3028	2478F/43-52-60	2659F/50-58-65	2725F/53-60-67	2792F/56-62-68
2	3029	2486F/43-52-60	2668F/51-58-65	2734F/53-60-67	2801F/56-62-69
0	3029	2493F/43-53-60	2677F/51-59-66	2743F/54-61-67	2811F/56-63-69
-2	3030	2501F/43-53-61	2686F/51-59-66	2752F/54-61-67	2820F/57-63-69
-4	3030	2509F/44-53-61	2694F/52-59-66	2761F/54-61-68	2830F/57-63-69
-6	3031	2516F/44-53-61	2703F/52-59-66	2770F/55-62-68	2840F/57-64-70
-8	3031	2524F/44-54-61	2712F/52-60-67	2780F/55-62-68	2850F/57-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT **RUNWAY 34** **FEFF**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI**

777-200 GE90-94B DATED 20-DEC-2018

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3031	2532F/45-54-62	2721F/53-60-67	2789F/55-62-68	2859F/58-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2081	2008*/30-33-38	2093*/33-36-40	2117*/34-36-40	2137*/34-36-40
			2112**39-40-44	2138**42-44-47	2163**45-48-51
58A	2123	2042*/31-34-39	2132*/35-37-41	2156*/35-37-41	2179*/35-37-41
			2148**39-41-44	2175**42-44-48	2201**45-48-51
56A	2169	2078*/31-35-40	2172*/36-38-43	2197*/36-38-43	2221*/36-38-43
			2187**40-41-45	2214**43-45-48	2240**45-49-52
54A	2217	2115*/32-36-41	2217*/37-40-44	2239*/37-40-44	2265*/38-40-44
			2227**40-41-46	2255**43-45-49	2282**46-49-53
52	2265	2150*/32-37-42	2265*/40-41-46	2282*/38-41-46	2308*/39-41-46
			2267**40-42-46	2296**43-45-50	2323**46-49-53
50	2320	2185F/33-38-44	2310*/40-42-47	2330*/39-43-48	2357*/40-43-48
				2343**43-46-50	2371**46-50-54
48	2376	2218F/33-39-45	2352*/41-44-49	2378*/41-44-49	2406*/41-44-49
				2389**43-46-51	2418**46-50-54
46	2432	2251F/33-40-46	2395*/41-45-50	2432*/43-46-51	2455*/42-46-51
				2436**44-46-51	2466**47-50-55
44	2492	2286F/34-41-47	2440*/41-46-51	2483*/44-47-53	2507*/44-48-53
					2516**47-51-56
42	2555	2320F/34-42-48	2485*/41-47-53	2529*/44-49-54	2561*/45-49-55
					2568**47-51-56
40	2616	2352F/34-42-49	2524F/42-48-54	2573*/44-50-55	2616*/47-51-57
					2618**47-51-57
38	2672	2380F/35-43-50	2555F/42-49-55	2613*/44-51-57	2660*/47-52-58
36	2722	2406F/35-44-51	2583F/42-49-56	2645F/45-51-58	2698*/47-53-59
34	2761	2429F/35-44-52	2608F/42-50-57	2672F/45-52-58	2729*/48-54-60
32	2801	2453F/35-45-53	2634F/43-51-57	2699F/45-53-59	2762*/48-54-61
30	2843	2479F/36-45-53	2662F/43-51-58	2728F/46-53-60	2795*/48-55-62
28	2886	2504F/36-46-54	2690F/43-52-59	2757F/46-54-61	2826F/48-56-62
26	2895	2515F/36-46-54	2702F/44-52-59	2770F/46-54-61	2839F/49-56-63
24	2896	2522F/36-47-55	2711F/44-53-60	2779F/46-54-61	2847*/49-56-63
22	2897	2530F/37-47-55	2719F/44-53-60	2788F/47-55-61	2854*/49-57-63
20	2898	2537F/37-47-55	2728F/44-53-60	2797F/47-55-62	2860*/50-57-63
18	2899	2545F/37-47-55	2737F/45-53-60	2806F/47-55-62	2867*/50-57-63
16	2900	2553F/37-48-56	2746F/45-54-60	2815F/48-56-62	2873*/50-57-63
14	2901	2560F/38-48-56	2755F/45-54-61	2825F/48-56-62	2880*/51-57-64
12	2902	2568F/38-48-56	2764F/46-54-61	2833*/48-56-63	2887*/51-58-64
10	2904	2576F/38-48-56	2773F/46-54-61	2840*/49-56-63	2893*/51-58-64
8	2905	2584F/38-49-56	2783F/46-55-61	2847*/49-56-63	2900*/52-58-64

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
6	2906	2592F/39-49-57	2792F/46-55-62	2854*/49-57-63	2906*/52-58-64
4	2907	2600F/39-49-57	2802F/47-55-62	2860*/50-57-63	2907*/52-58-64
					2912**53-59-65
2	2908	2608F/39-49-57	2811F/47-55-62	2867*/50-57-63	2910*/51-58-64
					2917**53-59-65
0	2909	2617F/40-50-57	2819*/47-56-62	2873*/50-57-63	2914*/52-58-64
					2922**53-60-66
-2	2909	2625F/40-50-57	2826*/48-56-62	2879*/51-57-64	2918*/52-58-64
					2927**54-60-66
-4	2910	2633F/40-50-58	2832*/48-56-63	2886*/51-57-64	2923*/52-58-64
					2932**54-60-66
-6	2910	2641F/40-50-58	2838*/48-56-63	2892*/52-58-64	2927*/52-58-64
					2937**55-61-67
-8	2910	2650F/41-51-58	2845*/49-56-63	2898*/52-58-64	2931*/52-58-64
					2942**55-61-67
-10	2911	2658F/41-51-58	2851*/49-56-63	2905*/52-58-64	2935*/52-58-64
					2947**56-62-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2081	1988*/30-32-37	2064*/35-35-39	2081*/35-36-40	2098*/35-36-40
			2084**39-39-43	2115**42-43-46	2145**44-46-49
58A	2123	2023*/31-33-38	2104*/36-36-41	2123*/37-37-41	2139*/36-37-41
			2121**39-40-44	2152**42-43-46	2183**45-46-49
56A	2169	2060*/31-35-39	2148*/38-38-42	2167*/38-38-43	2183*/37-38-43
			2159**40-40-44	2191**42-43-47	2222**45-46-50
54A	2217	2098F/32-36-41	2193*/39-39-44	2213*/40-40-44	2229*/38-40-44
			2199**40-41-45	2231**43-43-47	2264**45-46-50
52	2265	2129F/32-36-42	2238*/40-40-45	2259*/41-41-46	2274*/39-41-46
			2239**40-41-46	2272**43-44-48	2304**46-47-51
50	2320	2162F/33-37-43	2284*/40-42-47	2311*/43-43-47	2326*/41-43-48
				2318**43-44-49	2351**46-47-51
48	2376	2195F/33-38-44	2329*/41-43-48	2362*/44-44-49	2378*/42-44-49
				2364**43-45-50	2398**46-48-52
46	2432	2228F/34-39-45	2374*/41-44-49	2411*/44-45-50	2432*/44-46-51
					2446**47-48-53
44	2492	2262F/34-40-46	2421*/41-45-51	2459*/44-47-52	2492*/46-48-53
					2495**47-48-53
42	2555	2296F/34-41-47	2463F/41-46-52	2508*/44-48-53	2546*/47-49-55
40	2616	2328F/35-42-49	2497F/42-47-53	2554*/44-49-55	2594*/47-50-56
38	2672	2356F/35-42-49	2527F/42-48-54	2587F/45-50-56	2637*/47-51-57
36	2722	2382F/35-43-50	2555F/42-49-55	2616F/45-51-57	2676*/47-52-58
34	2761	2405F/35-43-51	2580F/43-49-56	2641F/45-51-58	2707F/48-53-59
32	2801	2429F/36-44-52	2606F/43-50-57	2669F/46-52-58	2735F/48-54-60
30	2843	2454F/36-45-53	2633F/43-50-58	2697F/46-52-59	2764F/48-54-61
28	2886	2479F/36-45-53	2661F/44-51-58	2726F/46-53-60	2793F/49-55-62
26	2895	2490F/37-46-54	2673F/44-51-59	2739F/47-53-60	2806F/49-55-62
24	2896	2497F/37-46-54	2681F/44-52-59	2747F/47-54-60	2815F/49-56-62
22	2897	2505F/37-46-54	2690F/45-52-59	2756F/47-54-61	2825F/50-56-62
20	2898	2512F/37-46-54	2698F/45-52-59	2765F/47-54-61	2834F/50-56-63
18	2899	2519F/38-47-55	2707F/45-52-60	2774F/48-54-61	2843F/50-56-63
16	2900	2527F/38-47-55	2715F/45-53-60	2783F/48-55-61	2851*/50-57-63
14	2901	2534F/38-47-55	2724F/46-53-60	2792F/48-55-62	2856*/51-57-63
12	2902	2542F/38-47-55	2733F/46-53-60	2801F/49-55-62	2862*/51-57-63
10	2904	2550F/39-48-55	2742F/46-53-60	2811F/49-55-62	2868*/52-57-63
8	2905	2558F/39-48-56	2751F/47-54-61	2820F/49-56-62	2873*/52-57-63

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
6	2906	2565F/39-48-56	2760F/47-54-61	2830F/49-56-62	2879*/52-57-64
4	2907	2573F/39-48-56	2769F/47-54-61	2837*/50-56-63	2884*/53-57-64
2	2908	2581F/40-49-56	2778F/47-54-61	2843*/50-56-63	2889*/53-58-64
0	2909	2589F/40-49-57	2788F/48-55-61	2848*/51-56-63	2894*/54-58-64
-2	2909	2597F/40-49-57	2797F/48-55-62	2853*/51-57-63	2900*/54-58-64
-4	2910	2605F/41-49-57	2806F/48-55-62	2858*/51-57-63	2904*/55-58-64
-6	2910	2613F/41-50-57	2816F/49-55-62	2863*/52-57-63	2908*/55-58-64
					2910**55-58-65
-8	2910	2621F/41-50-57	2821*/49-56-62	2869*/52-57-63	2910*/55-58-64
					2915**55-59-65
-10	2911	2629F/41-50-58	2826*/49-56-62	2873*/53-57-63	2911*/55-58-64
					2919**56-60-66

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2357F/45-48-51	2511F/46-48-51	2565F/46-48-51	2621F/46-48-51
		2300**50-54-57	2357**59-64-66	2372**62-67-69	2385**65-70-72
58A	2299	2387F/46-49-53	2545F/47-49-53	2599F/47-49-53	2656F/47-49-53
		2339**50-55-58	2399**59-64-67	2415**62-67-70	2430**65-70-73
56A	2346	2419F/47-51-54	2579F/48-51-54	2635F/48-51-54	2693F/49-51-54
		2379**50-55-59	2442**60-65-67	2459**63-68-70	2475**66-71-74
54	2399	2453F/48-52-56	2615F/49-52-56	2673F/50-52-56	2733F/50-52-56
		2424**50-56-59	2489**60-65-68	2508**63-68-71	2524**66-71-74
52	2459	2490F/49-54-58	2655F/51-54-58	2714F/51-54-58	2776F/51-54-58
		2473**51-56-60	2541**60-65-69	2561**63-69-72	2578**66-72-75
50	2518	2526F/50-56-60	2696F/52-56-60	2756F/52-56-60	2818F/53-56-60
		2522**51-56-60	2592**60-66-69	2613**63-69-72	2633**67-72-75
48	2578	2563F/51-57-61	2737F/53-58-62	2798F/54-58-62	2860F/54-58-62
			2645**60-66-70	2668**63-69-73	2689**67-73-76
46	2638	2600F/51-58-63	2777F/55-59-64	2839F/55-59-64	2903F/55-59-64
			2698**60-67-70	2721**64-70-73	2744**67-73-77
44	2701	2639F/51-59-64	2819F/56-61-65	2883F/56-61-65	2947F/57-61-65
			2752**60-67-71	2777**64-70-74	2801**67-74-77
42	2772	2678F/52-60-65	2862F/57-63-67	2927F/57-63-67	2992F/58-63-67
			2811**60-67-72	2838**64-71-75	2862**67-74-78
40	2843	2717F/52-61-66	2904F/58-64-69	2969F/58-64-69	3033F/59-64-69
			2870**60-68-72	2897**63-71-75	2923**67-74-78
38	2904	2750F/52-61-67	2940F/59-66-71	3005F/59-66-71	3070F/60-66-71
			2920**60-68-73	2949**63-71-76	2977**67-74-79
36	2957	2779F/52-62-68	2972F/59-67-72	3036F/60-67-72	3102F/61-67-72
			2964**60-68-73	2994**63-71-76	3022**67-75-79
34	3006	2808F/52-63-69	3002F/60-68-74	3067F/61-69-74	3133F/62-69-74
				3035**63-72-76	3064**67-75-80
32	3049	2836F/52-63-70	3031F/60-69-74	3095F/62-70-75	3162F/62-70-75
				3071**63-72-77	3101**67-75-80
30	3091	2864F/53-64-70	3059F/60-70-75	3124F/62-71-76	3175F/63-71-76
				3107**64-72-78	3138**67-76-81
28	3094	2873F/53-64-71	3069F/61-70-76	3134F/63-71-76	3175F/63-71-76
				3113**64-73-78	3145**67-76-81
26	3096	2882F/53-64-71	3078F/61-70-76	3144F/63-71-76	3175F/63-71-76
				3118**64-73-78	3150**68-77-82
24	3097	2891F/53-65-71	3087F/61-71-76	3154F/63-71-76	3175F/64-71-76
				3124**65-74-79	3155**68-77-82
22	3098	2900F/54-65-71	3096F/62-71-76	3163F/63-71-76	3175F/64-71-76
				3129**65-74-79	3160**69-78-82

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2909F/54-65-71	3106F/62-71-76	3173F/63-71-76	3175F/64-71-76
			3103**62-71-77	3135**66-75-80	3165**69-78-83
18	3101	2918F/54-65-72	3115F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3108**63-72-77	3140**66-75-80	3171**70-79-83
16	3102	2927F/55-66-72	3125F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3113**63-72-77	3145**67-76-81	3175**70-79-84
14	3104	2937F/55-66-72	3135F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3119**63-73-78	3151**67-76-81	3175**70-79-84
12	3105	2946F/55-66-72	3145F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3124**64-73-78	3156**67-77-81	3175**70-79-83
10	3107	2956F/55-67-73	3155F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3130**64-74-79	3162**68-77-82	3175**70-79-83
8	3108	2965F/56-67-73	3165F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3135**65-74-79	3167**68-78-82	3175**70-78-83
6	3109	2975F/56-67-73	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3141**65-75-80	3172**69-78-83	3175**70-78-83
4	3110	2985F/56-67-73	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3146**66-75-80	3175**69-78-83	3175**70-78-83
2	3111	2994F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3151**66-76-81	3175**69-78-83	3175**70-78-83
0	3112	3003F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3156**67-76-81	3175**69-78-83	3175**70-78-83
-2	3112	3012F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3161**67-77-81	3175**69-78-83	3175**70-78-83
-4	3113	3021F/58-69-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3166**68-77-82	3175**69-78-83	3175**70-78-83
-6	3113	3031F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3171**68-78-82	3175**69-78-83	3175**70-78-83
-8	3114	3040F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83
-10	3114	3050F/59-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2415F/45-48-51	2573F/46-48-51	2628F/46-48-51	2686F/46-48-51
		2323**53-58-61	2375**62-67-70	2387**66-71-73	2393**67-72-74
58A	2299	2447F/46-49-53	2606F/47-49-53	2663F/47-49-53	2722F/47-49-53
		2363**53-58-61	2418**63-68-70	2432**66-71-74	2442**69-74-76
56A	2346	2479F/47-51-54	2641F/48-51-54	2700F/48-51-54	2759F/49-51-54
		2404**53-59-62	2462**63-68-71	2477**66-72-74	2489**69-75-77
54	2399	2514F/48-52-56	2679F/49-52-56	2738F/50-52-56	2799F/50-52-56
		2450**54-59-62	2510**63-69-71	2526**66-72-75	2539**70-75-78
52	2459	2551F/49-54-58	2720F/51-54-58	2781F/51-54-58	2843F/51-54-58
		2500**54-60-63	2563**63-69-72	2580**66-72-75	2596**70-76-78
50	2518	2589F/50-56-60	2762F/52-56-60	2823F/52-56-60	2886F/53-56-60
		2550**54-60-64	2616**63-70-73	2635**67-73-76	2652**70-76-79
48	2578	2627F/52-58-62	2804F/53-58-62	2866F/54-58-62	2930F/54-58-62
		2600**54-60-64	2671**63-70-73	2691**67-73-76	2710**70-76-79
46	2638	2665F/53-59-64	2846F/55-59-64	2908F/55-59-64	2973F/55-59-64
		2650**54-61-65	2724**63-70-74	2746**67-73-77	2767**70-77-80
44	2701	2706F/54-61-65	2889F/56-61-65	2952F/56-61-65	3016F/57-61-65
		2703**54-61-66	2780**63-71-74	2803**67-74-77	2824**70-77-81
42	2772	2747F/54-62-67	2933F/57-63-67	2997F/57-63-67	3059F/58-63-67
			2841**63-71-75	2865**67-74-78	2887**70-77-81
40	2843	2787F/54-63-68	2976F/58-64-69	3039F/58-64-69	3102F/59-64-69
			2900**63-71-75	2926**66-74-78	2951**70-78-82
38	2904	2821F/54-64-69	3012F/59-66-71	3075F/59-66-71	3139F/60-66-71
			2952**63-71-76	2980**66-75-79	3005**70-78-82
36	2957	2852F/54-64-70	3043F/59-67-72	3107F/60-67-72	3173F/61-67-72
			2997**63-72-76	3025**66-75-79	3052**70-78-82
34	3006	2881F/54-65-71	3073F/60-69-74	3138F/61-69-74	3175F/62-69-74
			3038**63-72-77	3067**66-75-80	3095**70-79-83
32	3049	2903B/54-65-71	3102F/61-70-75	3167F/62-70-75	3175F/63-70-75
			3074**63-72-77	3104**66-76-80	3133**70-79-83
30	3091	2925B/53-66-72	3130F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3110**63-73-78	3141**67-76-81	3170**70-79-84
28	3094	2935B/54-66-72	3141F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3116**63-73-78	3147**67-76-81	3175**71-80-84
26	3096	2944B/54-66-72	3150F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3122**64-74-79	3152**67-77-82	3175**71-79-84
24	3097	2954B/54-67-73	3160F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3127**64-74-79	3157**68-77-82	3175**71-79-84
22	3098	2963B/55-67-73	3169F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3132**65-75-80	3163**68-78-83	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2973B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3138**65-75-80	3168**69-78-83	3175**70-79-84
18	3101	2982B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3143**66-75-80	3173**69-79-84	3175**70-79-84
16	3102	2992B/56-68-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3148**66-76-81	3175**70-79-84	3175**70-79-84
14	3104	3001B/56-68-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3153**66-76-81	3175**70-79-84	3175**70-79-84
12	3105	3011B/56-68-74	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3159**67-77-82	3175**69-79-83	3175**70-79-83
10	3107	3021B/57-69-74	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3164**67-77-82	3175**69-79-83	3175**70-79-83
8	3108	3030B/57-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3170**68-78-83	3175**69-78-83	3175**70-78-83
6	3109	3040B/57-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
4	3110	3050B/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
2	3111	3060B/58-70-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
0	3112	3069B/58-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-2	3112	3079B/59-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-4	3113	3089B/59-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-6	3113	3099B/60-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83
-8	3114	3109B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83
-10	3114	3114B/61-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3117**61-72-77	3175**69-78-83	3175**70-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2417F/45-48-51	2575F/46-48-51	2630F/46-48-51	2687F/46-48-51
		2324**53-58-61	2376**62-68-70	2388**66-71-73	2393**67-72-74
58A	2299	2448F/46-49-53	2608F/47-49-53	2665F/47-49-53	2724F/47-49-53
		2364**53-58-61	2418**63-68-70	2432**66-71-74	2442**69-74-76
56A	2346	2481F/47-51-54	2642F/48-51-54	2701F/48-51-54	2761F/49-51-54
		2405**53-59-62	2462**63-68-71	2477**66-72-74	2490**69-75-77
54	2399	2515F/48-52-56	2680F/49-52-56	2740F/50-52-56	2801F/50-52-56
		2451**54-59-63	2510**63-69-72	2526**66-72-75	2539**70-75-78
52	2459	2553F/49-54-58	2722F/51-54-58	2782F/51-54-58	2845F/51-54-58
		2500**54-60-63	2564**63-69-72	2581**66-72-75	2596**70-76-78
50	2518	2590F/50-56-60	2763F/52-56-60	2825F/52-56-60	2888F/53-56-60
		2550**54-60-64	2616**63-70-73	2635**67-73-76	2652**70-76-79
48	2578	2628F/51-58-62	2805F/53-58-62	2867F/54-58-62	2931F/54-58-62
		2601**54-60-64	2671**63-70-73	2692**67-73-76	2710**70-76-80
46	2638	2666F/53-59-64	2847F/54-59-64	2910F/55-59-64	2974F/55-59-64
		2651**54-61-65	2725**63-70-74	2747**67-74-77	2767**70-77-80
44	2701	2707F/54-61-65	2891F/56-61-65	2954F/56-61-65	3017F/56-61-65
		2704**54-61-66	2780**63-71-74	2804**67-74-78	2825**70-77-81
42	2772	2748F/54-62-67	2935F/57-63-67	2998F/57-63-67	3061F/58-63-67
			2841**63-71-75	2865**67-74-78	2888**70-78-81
40	2843	2788F/54-63-68	2977F/58-64-69	3040F/58-64-69	3103F/59-64-69
			2901**63-71-75	2927**66-75-79	2951**70-78-82
38	2904	2823F/54-64-69	3013F/59-66-71	3077F/59-66-71	3141F/60-66-71
			2953**63-71-76	2980**66-75-79	3005**70-78-82
36	2957	2853F/54-64-70	3044F/59-67-72	3109F/60-67-72	3174F/61-67-72
			2998**63-72-76	3026**66-75-79	3053**70-78-83
34	3006	2882B/54-65-71	3074F/60-69-74	3140F/61-69-74	3175F/62-69-74
			3038**63-72-77	3067**66-75-80	3096**70-79-83
32	3049	2904B/54-65-71	3103F/61-70-75	3169F/62-70-75	3175F/62-70-75
			3075**63-72-77	3105**66-76-80	3134**70-79-84
30	3091	2926B/53-66-72	3132F/62-71-76	3175F/62-71-76	3175F/63-71-76
			3110**63-73-78	3141**67-76-81	3171**70-79-84
28	3094	2936B/54-66-72	3142F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3117**63-73-78	3148**67-77-81	3175**71-80-84
26	3096	2945B/54-66-72	3151F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3122**64-74-79	3153**67-77-82	3175**71-79-84
24	3097	2954B/54-67-73	3161F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3127**64-74-79	3158**68-77-82	3175**70-79-84
22	3098	2964B/55-67-73	3171F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3133**65-75-80	3163**68-78-83	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2973B/55-67-73	3175F/62-71-76 3138**65-75-80	3175F/63-71-76 3169**69-78-83	3175F/64-71-76 3175**70-79-84
18	3101	2983B/55-67-73	3175F/62-71-76 3144**66-76-80	3175F/63-71-76 3174**69-79-84	3175F/64-71-76 3175**70-79-84
16	3102	2992B/55-68-73	3175F/62-71-76 3149**66-76-81	3175F/63-71-76 3175**70-79-84	3175F/64-71-76 3175**70-79-84
14	3104	3002B/56-68-74	3175F/62-71-76 3154**66-76-81	3175F/63-71-76 3175**69-79-84	3175F/64-71-76 3175**70-79-84
12	3105	3012B/56-68-74	3175F/62-71-77 3160**67-77-82	3175F/63-71-77 3175**69-79-83	3175F/64-71-77 3175**70-79-83
10	3107	3021B/57-69-74	3175F/63-71-77 3165**67-77-82	3175F/63-71-77 3175**69-79-83	3175F/64-71-77 3175**70-79-83
8	3108	3031B/57-69-75	3175F/63-71-77 3170**68-78-83	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
6	3109	3041B/57-69-75	3175F/63-71-77 3175**68-78-83	3175F/64-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
4	3110	3050B/58-69-75	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
2	3111	3060B/58-70-75	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
0	3112	3070B/58-70-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-2	3112	3080B/59-70-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-4	3113	3090B/59-71-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-6	3113	3100B/60-71-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-8	3114	3110B/60-71-77	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-10	3114	3114B/60-71-77 3117**60-72-77	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83	3175F/65-71-77 3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2358F/45-48-51	2513F/46-48-51	2567F/46-48-51	2623F/46-48-51
		2300**50-55-57	2357**59-64-66	2373**62-67-69	2385**65-70-72
58A	2299	2389F/46-49-53	2547F/47-49-53	2601F/47-49-53	2658F/47-49-53
		2339**50-55-58	2400**59-64-67	2416**62-67-70	2430**66-71-73
56A	2346	2421F/47-51-54	2581F/48-51-54	2637F/48-51-54	2695F/49-51-54
		2380**50-55-59	2442**60-65-67	2460**63-68-71	2475**66-71-74
54	2399	2454F/48-52-56	2617F/49-52-56	2675F/49-52-56	2735F/50-52-56
		2424**51-56-59	2489**60-65-68	2508**63-68-71	2524**66-72-74
52	2459	2491F/49-54-58	2657F/51-54-58	2716F/51-54-58	2778F/51-54-58
		2474**51-56-60	2542**60-66-69	2561**63-69-72	2579**67-72-75
50	2518	2528F/50-56-60	2698F/52-56-60	2758F/52-56-60	2820F/53-56-60
		2522**51-56-60	2593**60-66-69	2614**63-69-72	2633**67-72-75
48	2578	2565F/51-57-61	2738F/53-58-62	2800F/54-58-62	2862F/54-58-62
			2645**60-66-70	2669**63-70-73	2689**67-73-76
46	2638	2602F/51-58-63	2779F/54-59-64	2841F/55-59-64	2905F/55-59-64
			2698**60-67-70	2722**64-70-74	2744**67-73-77
44	2701	2640F/51-59-64	2821F/56-61-65	2885F/56-61-65	2949F/56-61-65
			2753**60-67-71	2778**64-70-74	2802**67-74-77
42	2772	2680F/52-60-65	2864F/57-63-67	2929F/57-63-67	2994F/58-63-67
			2812**60-67-72	2838**64-71-75	2863**67-74-78
40	2843	2718F/52-61-66	2906F/58-64-69	2971F/58-64-69	3035F/59-64-69
			2871**60-68-72	2898**63-71-75	2924**67-74-78
38	2904	2752F/52-61-67	2942F/59-66-71	3007F/59-66-71	3072F/60-66-71
			2921**60-68-73	2950**63-71-76	2978**67-74-79
36	2957	2781F/52-62-68	2974F/59-67-72	3038F/60-67-72	3104F/61-67-72
			2965**60-68-73	2995**63-71-76	3023**67-75-79
34	3006	2810F/52-63-69	3004F/60-68-74	3069F/61-69-74	3135F/62-69-74
				3035**63-72-77	3065**67-75-80
32	3049	2838F/52-63-70	3032F/60-69-74	3097F/62-70-75	3164F/62-70-75
				3072**63-72-77	3102**67-75-80
30	3091	2865F/53-64-70	3060F/60-70-75	3126F/62-71-76	3175F/63-71-76
				3107**64-73-78	3139**67-76-81
28	3094	2875F/53-64-71	3070F/61-70-76	3136F/63-71-76	3175F/63-71-76
				3114**64-73-78	3145**67-76-81
26	3096	2884F/53-65-71	3080F/61-70-76	3146F/63-71-76	3175F/63-71-76
				3119**64-73-79	3150**68-77-82
24	3097	2893F/53-65-71	3089F/61-71-76	3155F/63-71-76	3175F/63-71-76
				3125**65-74-79	3156**68-77-82
22	3098	2902F/54-65-71	3098F/62-71-76	3165F/63-71-76	3175F/64-71-76
				3130**65-74-79	3161**69-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2911F/54-65-71	3108F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3104**62-71-77	3135**66-75-80	3166**69-78-83
18	3101	2920F/54-66-72	3117F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3109**63-72-77	3141**66-75-80	3171**70-79-83
16	3102	2929F/54-66-72	3127F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3114**63-72-78	3146**67-76-81	3175**70-79-84
14	3104	2938F/55-66-72	3137F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3119**63-73-78	3152**67-76-81	3175**70-79-84
12	3105	2948F/55-66-72	3147F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3125**64-73-78	3157**67-77-82	3175**70-79-83
10	3107	2957F/55-67-73	3157F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3131**64-74-79	3163**68-77-82	3175**70-79-83
8	3108	2967F/56-67-73	3167F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3136**65-74-79	3168**68-78-82	3175**70-78-83
6	3109	2977F/56-67-73	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3142**65-75-80	3173**69-78-83	3175**70-78-83
4	3110	2986F/56-67-73	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3147**66-75-80	3175**69-78-83	3175**70-78-83
2	3111	2995F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3152**66-76-81	3175**69-78-83	3175**70-78-83
0	3112	3005F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3157**67-76-81	3175**69-78-83	3175**70-78-83
-2	3112	3014F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3162**67-77-82	3175**69-78-83	3175**70-78-83
-4	3113	3023F/58-69-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3167**68-77-82	3175**69-78-83	3175**70-78-83
-6	3113	3032F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3172**68-78-83	3175**69-78-83	3175**70-78-83
-8	3114	3042F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-10	3114	3052F/59-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2418F/45-48-51	2576F/46-48-51	2631F/46-48-51	2689F/46-48-51
		2324**53-58-61	2376**62-68-70	2388**66-71-73	2393**67-72-74
58A	2299	2449F/46-49-53	2609F/47-49-53	2666F/47-49-53	2725F/47-49-53
		2364**53-59-61	2419**63-68-70	2433**66-71-74	2442**69-74-76
56A	2346	2482F/47-51-54	2643F/48-51-54	2702F/48-51-54	2763F/49-51-54
		2405**53-59-62	2462**63-68-71	2478**66-72-74	2490**69-75-77
54	2399	2516F/48-52-56	2681F/49-52-56	2741F/49-52-56	2803F/50-52-56
		2451**54-59-63	2511**63-69-72	2527**66-72-75	2540**70-75-78
52	2459	2554F/49-54-58	2723F/51-54-58	2784F/51-54-58	2846F/51-54-58
		2501**54-60-63	2564**63-69-72	2581**66-72-75	2596**70-76-79
50	2518	2591F/50-56-60	2765F/52-56-60	2826F/52-56-60	2889F/53-56-60
		2551**54-60-64	2617**63-70-73	2636**67-73-76	2652**70-76-79
48	2578	2629F/51-58-62	2807F/53-58-62	2869F/54-58-62	2933F/54-58-62
		2601**54-61-64	2671**63-70-73	2692**67-73-76	2710**70-77-80
46	2638	2668F/52-59-64	2849F/54-59-64	2911F/55-59-64	2976F/55-59-64
		2651**54-61-65	2725**63-70-74	2747**67-74-77	2768**70-77-80
44	2701	2708F/53-61-65	2892F/55-61-65	2955F/56-61-65	3019F/56-61-65
		2705**54-61-66	2781**63-71-75	2804**67-74-78	2825**70-77-81
42	2772	2749F/54-62-67	2936F/57-63-67	3000F/57-63-67	3062F/58-63-67
			2842**63-71-75	2866**67-74-78	2888**70-78-81
40	2843	2789F/54-63-68	2979F/58-64-69	3042F/58-64-69	3105F/59-64-69
			2901**63-71-76	2927**66-75-79	2952**70-78-82
38	2904	2824F/54-64-69	3014F/59-66-71	3078F/59-66-71	3142F/60-66-71
			2953**63-72-76	2981**66-75-79	3006**70-78-82
36	2957	2854F/54-64-70	3045F/59-67-72	3110F/60-67-72	3175F/61-67-72
			2999**63-72-76	3026**66-75-79	3053**70-78-83
34	3006	2883B/54-65-71	3076F/60-69-74	3141F/61-69-74	3175F/62-69-74
			3039**63-72-77	3068**66-75-80	3097**70-79-83
32	3049	2904B/54-65-71	3105F/61-70-75	3170F/62-70-75	3175F/62-70-75
			3075**63-72-77	3105**66-76-81	3134**70-79-84
30	3091	2926B/53-66-72	3133F/62-71-76	3175F/62-71-76	3175F/63-71-76
			3111**63-73-78	3142**67-76-81	3172**70-80-84
28	3094	2936B/53-66-72	3143F/62-71-76	3175F/62-71-76	3175F/63-71-76
			3118**63-73-78	3148**67-77-82	3175**70-80-84
26	3096	2945B/54-66-72	3153F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3123**64-74-79	3154**67-77-82	3175**70-79-84
24	3097	2955B/54-67-73	3162F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3128**64-74-79	3159**68-78-82	3175**70-79-84
22	3098	2964B/54-67-73	3172F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3133**65-75-80	3164**68-78-83	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2974B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3139**65-75-80	3169**69-78-83	3175**70-79-84
18	3101	2984B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3144**66-76-81	3174**69-79-84	3175**70-79-84
16	3102	2993B/55-68-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3149**66-76-81	3175**69-79-84	3175**70-79-84
14	3104	3002B/56-68-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3155**66-77-81	3175**69-79-84	3175**70-79-84
12	3105	3012B/56-68-74	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3160**67-77-82	3175**69-79-83	3175**70-79-83
10	3107	3022B/56-69-74	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3166**67-77-82	3175**69-79-83	3175**70-79-83
8	3108	3031B/57-69-75	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3171**68-78-83	3175**69-78-83	3175**70-78-83
6	3109	3041B/57-69-75	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
4	3110	3051B/57-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
2	3111	3061B/58-70-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
0	3112	3071B/58-70-76	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
-2	3112	3080B/59-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
-4	3113	3090B/59-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-6	3113	3100B/59-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-8	3114	3110B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-10	3114	3114B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3117**60-72-77	3175**69-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2449F/35-38-43	2614F/36-38-43	2672F/37-38-43	2732F/37-38-43
		2282**50-56-59	2295**53-58-61	2295**53-58-61	2295**54-58-61
58A	2209	2481F/36-40-44	2649F/37-40-44	2709F/38-40-44	2770F/38-40-44
		2323**50-56-59	2342**54-60-63	2342**55-60-63	2342**55-60-63
56A	2256	2515F/37-41-46	2686F/38-41-46	2748F/39-41-46	2810F/39-41-46
		2364**50-57-60	2390**56-61-64	2390**56-61-64	2390**56-61-64
54	2308	2550F/38-42-47	2725F/39-42-47	2788F/40-42-47	2852F/40-42-47
		2410**50-57-60	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2588F/40-44-49	2768F/41-44-49	2832F/41-44-49	2898F/41-44-49
		2460**50-57-61	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2626F/41-46-51	2810F/42-46-51	2875F/42-46-51	2942F/43-46-51
		2510**50-58-62	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2665F/42-47-53	2853F/43-47-53	2918F/44-47-53	2986F/44-47-53
		2560**50-58-62	2623**60-68-71	2628**62-69-72	2628**62-69-72
46	2539	2705F/43-49-54	2895F/44-49-54	2962F/45-49-54	3027F/45-49-54
		2610**50-58-63	2677**60-68-72	2691**63-71-74	2691**64-71-74
44	2600	2747F/44-51-56	2940F/46-51-56	3005F/46-51-56	3071F/46-51-56
		2663**50-59-63	2734**60-68-72	2754**64-72-76	2757**65-72-76
42	2667	2788F/45-52-58	2985F/47-52-58	3049F/47-52-58	3115F/48-52-58
		2720**50-59-64	2795**60-69-73	2817**64-72-76	2831**66-74-78
40	2735	2828F/46-54-60	3025F/48-54-60	3091F/49-54-60	3158F/49-54-60
		2777**50-59-64	2856**60-69-73	2880**63-72-76	2901**67-76-80
38	2792	2863F/47-55-61	3061F/49-55-61	3128F/50-55-61	3175F/50-55-61
		2824**50-59-64	2908**60-69-74	2933**63-72-77	2956**67-76-80
36	2841	2893F/48-56-63	3092F/50-56-63	3160F/50-56-63	3175F/51-56-63
		2865**49-59-65	2953**60-69-74	2980**63-72-77	3005**67-76-80
34	2886	2923F/48-58-64	3122F/51-58-64	3175F/51-58-64	3175F/52-58-64
		2904**49-59-65	2994**60-69-74	3022**63-73-77	3048**67-76-81
32	2927	2952F/49-58-65	3152F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2939**49-60-66	3031**60-70-75	3059**63-73-78	3085**67-77-81
30	2967	2980F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		2974**49-60-66	3066**60-70-75	3095**64-73-79	3123**67-77-82
28	2971	2990F/49-59-66	3175F/52-59-66	3175F/53-59-66	3175F/53-59-66
		2980**50-60-67	3073**60-71-76	3102**64-74-79	3129**67-77-82
26	2972	2999F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2985**50-61-67	3077**61-71-76	3107**64-74-79	3134**68-78-83
24	2973	3007F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2990**51-61-67	3082**61-71-77	3112**65-75-80	3139**68-78-83
22	2975	3016F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2995**51-62-68	3087**62-72-77	3116**65-75-80	3143**69-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3025F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3000**51-62-68	3092**62-72-78	3121**66-76-81	3148**69-79-84
18	2977	3034F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3005**52-63-69	3097**63-73-78	3126**66-76-81	3153**70-80-85
16	2978	3044F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3010**52-63-69	3102**63-73-78	3131**67-77-82	3158**70-80-85
14	2980	3053F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3015**53-63-69	3108**63-74-79	3136**67-77-82	3162**71-81-86
12	2982	3062F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3021**53-64-70	3113**64-74-79	3141**67-78-83	3167**71-81-86
10	2983	3072F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3026**53-64-70	3118**64-75-80	3146**68-78-83	3172**72-82-87
8	2984	3081F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3031**54-65-71	3123**65-75-80	3151**68-79-84	3175**72-82-87
6	2985	3090F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3037**54-65-71	3128**65-76-81	3156**69-79-84	3175**72-82-87
4	2986	3100F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3041**55-66-71	3133**66-76-81	3161**69-80-85	3175**72-82-87
2	2987	3109F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3046**55-66-72	3137**66-77-82	3165**70-80-85	3175**72-82-87
0	2988	3119F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3051**56-67-72	3142**67-77-82	3169**70-81-86	3175**72-82-86
-2	2988	3128F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3056**56-67-73	3146**67-78-83	3174**71-81-86	3175**72-82-86
-4	2989	3138F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3060**56-68-73	3151**68-78-83	3175**71-82-86	3175**72-82-86
-6	2989	3147F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3065**57-68-74	3156**68-79-84	3175**71-82-86	3175**72-82-86
-8	2990	3157F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3070**57-69-74	3160**69-79-84	3175**71-82-86	3175**72-82-86
-10	2990	3167F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3075**58-69-75	3165**69-80-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2510F/35-38-43	2680F/36-38-43	2740F/37-38-43	2802F/37-38-43
		2295**52-58-61	2295**53-58-61	2295**53-58-61	2295**54-58-61
58A	2209	2543F/36-40-44	2716F/37-40-44	2777F/38-40-44	2841F/38-40-44
		2342**53-60-63	2342**54-60-63	2342**55-60-63	2342**55-60-63
56A	2256	2577F/37-41-46	2754F/38-41-46	2816F/39-41-46	2880F/39-41-46
		2385**53-60-63	2390**56-61-64	2390**56-61-64	2390**56-61-64
54	2308	2613F/38-42-47	2793F/39-42-47	2857F/40-42-47	2921F/40-42-47
		2432**53-61-64	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2653F/40-44-49	2837F/41-44-49	2901F/41-44-49	2967F/41-44-49
		2483**54-61-64	2505**59-65-68	2505**59-65-68	2505**59-65-68
50	2422	2694F/41-46-51	2880F/42-46-51	2946F/42-46-51	3011F/43-46-51
		2534**54-61-65	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2734F/42-47-53	2923F/43-47-53	2990F/44-47-53	3054F/44-47-53
		2586**54-62-66	2628**61-69-72	2628**62-69-72	2628**62-69-72
46	2539	2775F/43-49-54	2967F/44-49-54	3031F/45-49-54	3097F/45-49-54
		2637**54-62-66	2691**63-71-74	2691**63-71-74	2691**64-71-74
44	2600	2817F/44-51-56	3011F/46-51-56	3075F/46-51-56	3141F/46-51-56
		2692**53-62-67	2757**64-72-76	2757**64-72-76	2757**65-72-76
42	2667	2860F/45-52-58	3054F/47-52-58	3119F/47-52-58	3175F/48-52-58
		2750**53-62-67	2819**63-72-76	2831**66-74-78	2831**66-74-78
40	2735	2901F/46-54-60	3096F/48-54-60	3162F/49-54-60	3175F/49-54-60
		2808**53-63-67	2882**63-72-77	2903**67-76-80	2905**68-76-80
38	2792	2937F/47-55-61	3133F/49-55-61	3175F/50-55-61	3175F/50-55-61
		2857**53-63-68	2936**63-73-77	2959**66-76-80	2971**69-78-82
36	2841	2968F/48-56-63	3165F/50-56-63	3175F/50-56-63	3175F/51-56-63
		2899**52-63-68	2983**63-73-77	3007**66-76-81	3029**70-80-84
34	2886	2998F/48-58-64	3175F/51-58-64	3175F/51-58-64	3175F/52-58-64
		2939**52-63-69	3025**63-73-78	3050**66-76-81	3074**70-80-84
32	2927	3026F/49-58-65	3175F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2975**52-63-69	3062**63-73-78	3088**67-77-82	3112**70-80-85
30	2967	3054F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3007**52-64-69	3098**63-74-79	3125**67-77-82	3151**70-81-85
28	2971	3063F/49-59-66	3175F/52-59-66	3175F/53-59-66	3175F/53-59-66
		3014**52-64-70	3105**63-74-79	3131**67-78-83	3157**71-81-86
26	2972	3072F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3019**53-64-70	3109**64-75-80	3136**68-78-83	3161**71-82-86
24	2973	3081F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3024**53-65-71	3114**64-75-80	3141**68-79-83	3166**72-82-87
22	2975	3090F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3029**54-65-71	3119**65-76-81	3146**68-79-84	3170**72-83-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3099F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3035**54-66-72	3124**65-76-81	3151**69-80-84	3175**73-83-88
18	2977	3109F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3040**55-66-72	3128**66-77-82	3155**69-80-85	3175**73-83-88
16	2978	3118F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3045**55-67-72	3133**66-77-82	3160**70-81-85	3175**73-83-87
14	2980	3127F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3050**56-67-73	3138**67-78-82	3164**70-81-86	3175**73-83-87
12	2982	3137F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3056**56-68-73	3143**67-78-83	3169**71-82-86	3175**72-82-87
10	2983	3146F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3061**56-68-74	3148**68-79-83	3174**71-82-87	3175**72-82-87
8	2984	3156F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3066**57-69-74	3154**68-79-84	3175**72-82-87	3175**72-82-87
6	2985	3166F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3071**57-69-75	3159**68-80-84	3175**71-82-87	3175**72-82-87
4	2986	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3076**58-70-75	3163**69-80-85	3175**71-82-87	3175**72-82-87
2	2987	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3081**58-70-75	3167**69-81-85	3175**71-82-87	3175**72-82-87
0	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3086**59-71-76	3171**70-81-86	3175**71-82-86	3175**72-82-86
-2	2988	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3091**59-71-76	3175**70-82-86	3175**71-82-86	3175**72-82-86
-4	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3095**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-6	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3100**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-8	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3104**61-73-78	3175**71-82-86	3175**71-82-86	3175**72-82-86
-10	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3109**61-73-78	3175**71-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2512F/35-38-43	2682F/36-38-43	2742F/37-38-43	2804F/37-38-43
		2295**52-58-61	2295**53-58-61	2295**53-58-61	2295**53-58-61
58A	2209	2544F/36-40-44	2718F/37-40-44	2779F/38-40-44	2842F/38-40-44
		2342**53-60-63	2342**54-60-63	2342**55-60-63	2342**55-60-63
56A	2256	2578F/37-41-46	2755F/38-41-46	2817F/39-41-46	2881F/39-41-46
		2385**53-60-64	2390**56-61-64	2390**56-61-64	2390**56-61-64
54	2308	2614F/38-42-47	2795F/39-42-47	2858F/40-42-47	2923F/40-42-47
		2432**53-61-64	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2654F/40-44-49	2838F/41-44-49	2903F/41-44-49	2969F/41-44-49
		2483**54-61-65	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2695F/41-46-51	2882F/42-46-51	2947F/42-46-51	3012F/43-46-51
		2535**54-61-65	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2736F/42-47-53	2925F/43-47-53	2991F/44-47-53	3055F/44-47-53
		2586**54-62-66	2628**61-69-72	2628**62-69-72	2628**62-69-72
46	2539	2776F/43-49-54	2968F/44-49-54	3033F/45-49-54	3098F/45-49-54
		2637**54-62-66	2691**63-71-74	2691**63-71-74	2691**64-71-74
44	2600	2819F/44-51-56	3012F/46-51-56	3076F/46-51-56	3142F/46-51-56
		2692**53-62-67	2757**64-72-76	2757**64-72-76	2757**65-72-76
42	2667	2861F/45-52-58	3055F/47-52-58	3121F/47-52-58	3175F/48-52-58
		2751**53-63-67	2820**63-72-76	2831**66-74-78	2831**66-74-78
40	2735	2902F/46-54-60	3098F/48-54-60	3164F/48-54-60	3175F/49-54-60
		2809**53-63-68	2882**63-73-77	2904**67-76-80	2905**68-76-80
38	2792	2938F/47-55-61	3134F/49-55-61	3175F/49-55-61	3175F/50-55-61
		2858**53-63-68	2936**63-73-77	2959**66-76-80	2971**69-78-82
36	2841	2969F/48-56-63	3167F/50-56-63	3175F/50-56-63	3175F/51-56-63
		2900**52-63-68	2983**63-73-77	3008**66-76-81	3029**70-80-84
34	2886	2999F/48-58-64	3175F/50-58-64	3175F/51-58-64	3175F/51-58-64
		2939**52-63-69	3025**63-73-78	3051**66-77-81	3074**70-80-84
32	2927	3027F/49-58-65	3175F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2975**52-64-69	3062**63-74-78	3088**66-77-82	3113**70-80-85
30	2967	3055F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3007**52-64-69	3099**63-74-79	3126**67-77-82	3151**70-81-85
28	2971	3065F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3014**52-64-70	3105**63-74-79	3132**67-78-83	3157**71-81-86
26	2972	3074F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3019**53-64-70	3110**64-75-80	3137**68-78-83	3162**71-82-86
24	2973	3083F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3024**53-65-71	3115**64-75-80	3142**68-79-84	3166**72-82-87
22	2975	3092F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3030**54-65-71	3119**65-76-81	3146**68-79-84	3171**72-83-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3101F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3035**54-66-72	3124**65-76-81	3151**69-80-84	3175**73-83-88
18	2977	3110F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3040**55-66-72	3129**66-77-82	3156**69-80-85	3175**73-83-88
16	2978	3119F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3045**55-67-72	3134**66-77-82	3160**70-81-85	3175**73-83-87
14	2980	3129F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3051**56-67-73	3139**67-78-83	3165**70-81-86	3175**72-83-87
12	2982	3138F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3056**56-68-73	3144**67-78-83	3170**71-82-86	3175**72-82-87
10	2983	3148F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3062**56-68-74	3149**67-79-84	3175**71-82-87	3175**72-82-87
8	2984	3158F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3067**57-69-74	3154**68-79-84	3175**71-82-87	3175**72-82-87
6	2985	3167F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3072**57-69-75	3159**68-80-84	3175**71-82-87	3175**72-82-87
4	2986	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3077**58-70-75	3163**69-80-85	3175**71-82-87	3175**72-82-87
2	2987	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3082**58-70-76	3168**69-81-86	3175**71-82-87	3175**72-82-87
0	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3087**59-71-76	3172**70-81-86	3175**71-82-86	3175**72-82-86
-2	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3091**59-71-76	3175**70-82-86	3175**71-82-86	3175**72-82-86
-4	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3096**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-6	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3100**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-8	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3105**61-73-78	3175**71-82-86	3175**71-82-86	3175**72-82-86
-10	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3110**61-73-78	3175**71-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2451F/35-38-43	2615F/36-38-43	2674F/37-38-43	2735F/37-38-43
		2283**50-56-59	2295**53-58-61	2295**53-58-61	2295**53-58-61
58A	2209	2483F/36-40-44	2651F/37-40-44	2711F/38-40-44	2773F/38-40-44
		2323**50-56-59	2342**54-60-63	2342**54-60-63	2342**55-60-63
56A	2256	2516F/37-41-46	2688F/38-41-46	2750F/39-41-46	2812F/39-41-46
		2365**50-57-60	2390**55-61-64	2390**56-61-64	2390**56-61-64
54	2308	2551F/38-42-47	2727F/39-42-47	2790F/40-42-47	2854F/40-42-47
		2410**50-57-60	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2590F/40-44-49	2770F/41-44-49	2834F/41-44-49	2900F/41-44-49
		2461**50-57-61	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2628F/41-46-51	2812F/42-46-51	2877F/42-46-51	2944F/43-46-51
		2511**50-58-62	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2667F/42-47-53	2855F/43-47-53	2920F/43-47-53	2988F/44-47-53
		2561**50-58-62	2624**60-68-71	2628**62-69-72	2628**62-69-72
46	2539	2707F/43-49-54	2897F/44-49-54	2964F/45-49-54	3029F/45-49-54
		2611**50-58-63	2677**60-68-72	2691**63-71-74	2691**64-71-74
44	2600	2748F/44-51-56	2942F/46-51-56	3007F/46-51-56	3073F/46-51-56
		2664**50-59-63	2734**60-69-72	2755**64-72-76	2757**65-72-76
42	2667	2790F/45-52-58	2987F/47-52-58	3051F/47-52-58	3117F/48-52-58
		2721**50-59-64	2796**60-69-73	2817**64-72-76	2831**66-74-78
40	2735	2830F/46-54-60	3027F/48-54-60	3093F/48-54-60	3160F/49-54-60
		2778**50-59-64	2856**60-69-73	2880**63-72-76	2902**67-76-80
38	2792	2865F/47-55-61	3063F/49-55-61	3130F/49-55-61	3175F/50-55-61
		2825**50-59-65	2909**60-69-74	2934**63-72-77	2957**67-76-80
36	2841	2895F/48-56-63	3094F/50-56-63	3162F/50-56-63	3175F/51-56-63
		2866**49-59-65	2954**60-69-74	2981**63-73-77	3006**67-76-80
34	2886	2925F/48-58-64	3124F/50-58-64	3175F/51-58-64	3175F/51-58-64
		2904**49-59-65	2995**60-69-74	3023**63-73-78	3049**67-76-81
32	2927	2953F/49-58-65	3153F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2940**49-60-66	3031**60-70-75	3060**63-73-78	3086**67-77-81
30	2967	2982F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		2974**49-60-66	3067**60-70-75	3096**64-74-79	3123**67-77-82
28	2971	2992F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		2981**50-61-67	3073**60-71-76	3102**64-74-79	3130**67-77-82
26	2972	3000F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2986**50-61-67	3078**61-71-76	3107**64-74-80	3134**68-78-83
24	2973	3009F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2991**51-61-67	3083**61-72-77	3112**65-75-80	3139**68-78-83
22	2975	3018F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2996**51-62-68	3088**62-72-77	3117**65-75-80	3144**69-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3027F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3001**51-62-68	3093**62-72-78	3122**66-76-81	3149**69-79-84
18	2977	3036F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3006**52-63-69	3098**62-73-78	3127**66-76-81	3154**70-80-85
16	2978	3045F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3011**52-63-69	3103**63-73-79	3131**67-77-82	3158**70-80-85
14	2980	3055F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3016**53-64-69	3108**63-74-79	3136**67-77-82	3163**71-81-86
12	2982	3064F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3022**53-64-70	3114**64-74-79	3142**67-78-83	3168**71-81-86
10	2983	3074F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3027**53-64-70	3119**64-75-80	3147**68-78-83	3173**72-82-87
8	2984	3083F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3032**54-65-71	3124**65-75-80	3152**68-79-84	3175**72-82-87
6	2985	3092F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3037**54-65-71	3129**65-76-81	3157**69-79-84	3175**72-82-87
4	2986	3102F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3042**55-66-72	3134**66-76-81	3161**69-80-85	3175**72-82-87
2	2987	3111F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3047**55-66-72	3138**66-77-82	3166**70-80-85	3175**72-82-87
0	2988	3121F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3052**55-67-72	3143**67-77-82	3170**70-81-86	3175**72-82-86
-2	2988	3130F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3057**56-67-73	3147**67-78-83	3174**71-82-86	3175**72-82-86
-4	2989	3140F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3061**56-68-73	3152**68-78-83	3175**71-82-86	3175**72-82-86
-6	2989	3149F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3066**57-68-74	3156**68-79-84	3175**71-82-86	3175**72-82-86
-8	2990	3159F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3071**57-69-74	3161**69-80-84	3175**71-82-86	3175**72-82-86
-10	2990	3169F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3076**58-69-75	3165**69-80-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2513F/35-38-43	2683F/36-38-43	2744F/36-38-43	2805F/37-38-43
		2295**52-58-61	2295**53-58-61	2295**53-58-61	2295**53-58-61
58A	2209	2545F/36-40-44	2719F/37-40-44	2781F/38-40-44	2844F/38-40-44
		2342**53-60-63	2342**54-60-63	2342**54-60-63	2342**55-60-63
56A	2256	2580F/37-41-46	2757F/38-41-46	2819F/39-41-46	2883F/39-41-46
		2386**53-61-64	2390**55-61-64	2390**56-61-64	2390**56-61-64
54	2308	2615F/38-42-47	2796F/39-42-47	2860F/40-42-47	2925F/40-42-47
		2432**54-61-64	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2656F/40-44-49	2840F/41-44-49	2905F/41-44-49	2970F/41-44-49
		2484**54-61-65	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2697F/41-46-51	2883F/42-46-51	2949F/42-46-51	3014F/43-46-51
		2535**54-62-65	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2737F/42-47-53	2926F/43-47-53	2993F/43-47-53	3057F/44-47-53
		2587**54-62-66	2628**61-69-72	2628**62-69-72	2628**62-69-72
46	2539	2778F/43-49-54	2970F/44-49-54	3034F/45-49-54	3100F/45-49-54
		2638**54-62-66	2691**62-71-74	2691**63-71-74	2691**63-71-74
44	2600	2820F/44-51-56	3013F/46-51-56	3078F/46-51-56	3144F/46-51-56
		2693**53-62-67	2757**64-72-76	2757**64-72-76	2757**65-72-76
42	2667	2863F/45-52-58	3057F/47-52-58	3122F/47-52-58	3175F/48-52-58
		2751**53-63-67	2820**63-73-77	2831**66-74-78	2831**66-74-78
40	2735	2904F/46-54-60	3099F/48-54-60	3165F/48-54-60	3175F/49-54-60
		2809**53-63-68	2883**63-73-77	2904**67-76-80	2905**68-76-80
38	2792	2939F/47-55-61	3136F/49-55-61	3175F/49-55-61	3175F/50-55-61
		2858**53-63-68	2937**63-73-77	2960**66-76-80	2971**69-78-82
36	2841	2971F/48-56-63	3168F/50-56-63	3175F/50-56-63	3175F/51-56-63
		2900**52-63-68	2984**63-73-78	3008**66-76-81	3029**70-80-84
34	2886	3001F/48-58-64	3175F/50-58-64	3175F/51-58-64	3175F/51-58-64
		2940**52-63-69	3026**63-73-78	3052**66-77-81	3075**70-80-84
32	2927	3029F/49-58-65	3175F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2976**52-64-69	3063**63-74-78	3089**66-77-82	3113**70-80-85
30	2967	3057F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3008**52-64-69	3099**63-74-79	3126**67-77-82	3152**70-81-85
28	2971	3066F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3014**52-64-70	3106**63-74-79	3132**67-78-83	3158**71-81-86
26	2972	3075F/49-60-66	3175F/52-60-66	3175F/52-60-66	3175F/53-60-66
		3019**53-65-70	3110**64-75-80	3137**68-78-83	3162**71-82-86
24	2973	3084F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3025**53-65-71	3115**64-75-80	3142**68-79-84	3167**72-82-87
22	2975	3093F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3030**54-65-71	3120**65-76-81	3147**68-79-84	3171**72-83-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3102F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3035**54-66-72	3125**65-76-81	3152**69-80-85	3175**73-83-88
18	2977	3111F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3040**54-66-72	3130**66-77-82	3156**69-80-85	3175**73-83-88
16	2978	3121F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3045**55-67-72	3134**66-77-82	3161**70-81-85	3175**72-83-87
14	2980	3130F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3051**55-67-73	3139**67-78-83	3165**70-81-86	3175**72-83-87
12	2982	3140F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3057**56-68-73	3145**67-78-83	3170**71-82-86	3175**72-82-87
10	2983	3149F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3062**56-68-74	3150**67-79-84	3175**71-82-87	3175**72-82-87
8	2984	3159F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3068**57-69-74	3155**68-79-84	3175**71-82-87	3175**72-82-87
6	2985	3169F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3073**57-69-75	3160**68-80-85	3175**71-82-87	3175**72-82-87
4	2986	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3078**58-70-75	3164**69-80-85	3175**71-82-87	3175**72-82-87
2	2987	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3083**58-70-76	3168**69-81-86	3175**71-82-87	3175**72-82-87
0	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3087**59-71-76	3173**70-81-86	3175**71-82-86	3175**72-82-86
-2	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3092**59-71-77	3175**70-82-86	3175**71-82-86	3175**72-82-86
-4	2989	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3096**60-72-77	3175**70-82-86	3175**71-82-86	3175**72-82-86
-6	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3101**60-72-77	3175**70-82-86	3175**71-82-86	3175**72-82-86
-8	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3106**61-73-78	3175**71-82-86	3175**71-82-86	3175**72-82-86
-10	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3110**61-73-78	3175**71-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

TOGW
FOR CHARTER
FLIGHT
DESTINATIONS

777-200ER

(Except BMG,H)

TOGW
FOR CHARTER
FLIGHT
DESTINATIONS

777-200ER

(Only BMG,H)

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT RUNWAY 10 ORNI

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF AL NAJAF**
NAJAF NJF
777-200 GE90-94B DATED 30-AUG-2019

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2248	2175F/42-45-49	2326F/46-48-51	2379F/46-48-51	2432F/46-48-51
			2283**49-53-56	2305**52-56-58	2325**55-59-61
58A	2294	2205F/42-46-50	2357F/47-49-53	2410F/47-49-53	2464F/47-49-53
			2322**50-53-56	2345**53-56-59	2366**56-59-62
56A	2342	2235F/43-47-51	2389F/48-51-54	2443F/48-51-54	2498F/48-51-54
			2363**50-54-57	2386**53-57-60	2407**56-60-63
54	2395	2267F/43-48-52	2423F/49-52-56	2477F/49-52-56	2533F/50-52-56
			2408**50-54-58	2431**53-57-60	2453**56-60-63
52	2454	2303F/43-49-53	2461F/50-54-58	2516F/51-54-58	2572F/51-54-58
			2457**50-54-58	2481**53-58-61	2505**57-61-64
50	2513	2338F/44-50-55	2498F/51-55-59	2554F/52-56-60	2611F/52-56-60
				2531**54-58-62	2555**57-61-65
48	2573	2373F/44-51-56	2536F/51-56-61	2592F/53-57-62	2650F/54-57-62
				2582**54-59-63	2606**57-62-66
46	2632	2409F/45-52-57	2573F/52-57-62	2630F/54-59-63	2690F/55-59-63
					2658**57-62-66
44	2696	2445F/45-52-58	2612F/52-58-63	2671F/55-60-65	2733F/56-61-65
					2712**58-63-67
42	2767	2480F/45-53-59	2652F/53-59-64	2713F/55-61-66	2776F/58-63-67
					2771**58-63-68
40	2837	2514F/46-54-61	2690F/53-60-65	2754F/56-62-67	2817F/58-64-69
38	2898	2544F/46-55-62	2724F/53-61-66	2788F/56-63-68	2854F/58-65-70
36	2951	2570F/46-55-62	2753F/54-61-67	2818F/56-63-69	2885F/59-65-71
34	3000	2595F/46-56-63	2782F/54-62-68	2848F/56-64-70	2915F/59-66-71
32	3043	2620F/46-57-64	2809F/54-63-69	2876F/57-65-71	2944F/59-67-72
30	3085	2645F/46-57-65	2837F/54-63-70	2904F/57-65-71	2973F/59-67-73
28	3090	2654F/47-58-65	2848F/55-63-70	2915F/57-65-72	2985F/60-67-73
26	3092	2663F/47-58-65	2857F/55-64-70	2925F/57-66-72	2994F/60-68-73
24	3093	2671F/47-58-66	2866F/55-64-70	2934F/58-66-72	3003F/60-68-74
22	3095	2679F/47-58-66	2875F/55-64-71	2944F/58-66-72	3013F/61-68-74
20	3096	2687F/48-59-66	2884F/56-65-71	2953F/58-67-73	3022F/61-69-74
18	3097	2696F/48-59-66	2894F/56-65-71	2963F/59-67-73	3032F/61-69-75
16	3098	2704F/48-59-66	2903F/56-65-71	2973F/59-67-73	3041F/62-69-75
14	3100	2713F/49-59-67	2913F/57-65-72	2983F/59-67-73	3051F/62-69-75
12	3102	2722F/49-60-67	2923F/57-66-72	2993F/60-68-73	3061F/62-70-75
10	3103	2731F/49-60-67	2933F/57-66-72	3002F/60-68-74	3071F/63-70-76
8	3104	2740F/49-60-67	2942F/58-66-72	3012F/60-68-74	3081F/63-70-76
6	3106	2749F/50-60-68	2952F/58-66-73	3022F/61-69-74	3091F/63-71-76
4	3106	2757F/50-61-68	2962F/58-67-73	3032F/61-69-75	3101F/64-71-76

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
10	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT RUNWAY 10 ORNI

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF AL NAJAF**
NAJAF NJF
777-200 GE90-94B DATED 30-AUG-2019
***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	3107	2766F/50-61-68	2972F/58-67-73	3042F/61-69-75	3111F/64-71-77
					3109**64-71-77
0	3108	2775F/51-61-68	2982F/59-67-73	3051F/62-69-75	3121F/64-71-77
					3114**65-72-77
-2	3108	2784F/51-62-68	2992F/59-68-73	3061F/62-70-75	3131F/65-71-77
					3119**65-72-78
-4	3109	2793F/51-62-69	3001F/59-68-74	3071F/62-70-76	3141F/65-71-77
					3124**65-73-78
-6	3109	2803F/52-62-69	3011F/60-68-74	3081F/63-70-76	3151F/65-71-77
					3129**66-73-79
-8	3110	2812F/52-62-69	3021F/60-69-74	3091F/63-71-76	3162F/65-71-77
					3134**66-74-79
-10	3110	2821F/52-63-69	3031F/60-69-75	3101F/63-71-76	3172F/65-71-77
					3140**67-74-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
10	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT **RUNWAY 28** **ORNI**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF** **AL NAJAF**
NAJAF NJF
777-200 GE90-94B **DATED 30-AUG-2019**

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2248	2175F/42-45-49	2293*/46-48-51	2315*/46-48-51	2337*/46-48-51
			2283**49-53-56	2304**52-56-58	2325**55-59-61
58A	2294	2204F/42-46-50	2335*/47-49-53	2358*/47-49-53	2380*/47-49-53
			2322**50-53-56	2345**53-56-59	2366**56-59-62
56A	2342	2235F/43-47-51	2378*/48-51-54	2402*/48-51-54	2424*/48-51-54
			2363**50-54-57	2386**53-57-60	2407**56-60-63
54	2395	2267F/43-48-52	2423F/49-52-56	2450*/49-52-56	2473*/50-52-56
			2407**50-54-58	2431**53-57-60	2453**56-60-63
52	2454	2302F/43-49-53	2460F/50-54-58	2503*/51-54-58	2528*/51-54-58
			2457**50-54-58	2481**53-58-61	2504**57-61-64
50	2513	2338F/44-50-55	2498F/51-55-59	2553F/52-56-60	2582*/52-56-60
				2531**54-58-62	2555**57-61-65
48	2573	2373F/44-51-56	2535F/51-56-61	2592F/53-57-62	2637*/54-57-62
				2581**54-59-63	2606**57-62-66
46	2632	2409F/45-52-57	2573F/52-57-62	2630F/54-59-63	2690F/55-59-63
					2658**57-62-66
44	2696	2445F/45-52-58	2612F/52-58-63	2671F/55-60-65	2732F/56-61-65
					2712**58-63-67
42	2767	2480F/45-53-59	2652F/53-59-64	2713F/55-61-66	2775F/58-63-67
					2771**58-63-68
40	2837	2514F/46-54-61	2690F/53-60-65	2753F/56-62-67	2817F/58-64-69
38	2898	2544F/46-55-62	2723F/53-61-66	2788F/56-63-68	2854F/58-65-70
36	2951	2569F/46-55-62	2753F/54-61-67	2818F/56-63-69	2885F/59-65-71
34	3000	2595F/46-56-63	2781F/54-62-68	2847F/56-64-70	2915F/59-66-71
32	3043	2620F/46-57-64	2809F/54-63-69	2876F/57-65-71	2944F/59-66-72
30	3085	2644F/46-57-65	2837F/54-63-70	2904F/57-65-71	2973F/59-67-73
28	3090	2654F/47-58-65	2847F/55-63-70	2915F/57-65-72	2984F/60-67-73
26	3092	2662F/47-58-65	2856F/55-64-70	2924F/57-66-72	2994F/60-68-73
24	3093	2671F/47-58-66	2866F/55-64-70	2934F/58-66-72	3003F/60-68-74
22	3095	2679F/48-58-66	2875F/55-64-71	2943F/58-66-72	3012F/61-68-74
20	3096	2687F/48-59-66	2884F/56-65-71	2953F/58-67-72	3022F/61-69-74
18	3097	2696F/48-59-66	2894F/56-65-71	2963F/59-67-73	3032F/61-69-75
16	3098	2704F/48-59-66	2903F/56-65-71	2973F/59-67-73	3041F/62-69-75
14	3100	2713F/49-59-67	2913F/57-65-72	2983F/59-67-73	3051F/62-69-75
12	3102	2722F/49-60-67	2922F/57-66-72	2993F/60-68-73	3061F/62-70-75
10	3103	2731F/49-60-67	2932F/57-66-72	3002F/60-68-74	3071F/63-70-76
8	3104	2739F/49-60-67	2942F/58-66-72	3012F/60-68-74	3081F/63-70-76
6	3106	2748F/50-60-68	2952F/58-66-72	3022F/61-69-74	3091F/63-71-76
4	3106	2757F/50-61-68	2962F/58-67-73	3031F/61-69-75	3100F/64-71-76

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
28	32	1277	0	67	1597	0	89	3947	0

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT RUNWAY 28 ORNI

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF AL NAJAF**
NAJAF NJF
777-200 GE90-94B DATED 30-AUG-2019
***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	3107	2766F/50-61-68	2972F/58-67-73	3041F/61-69-75	3111F/64-71-77
					3109**64-71-77
0	3108	2775F/51-61-68	2982F/59-67-73	3051F/62-69-75	3121F/64-71-77
					3114**65-72-77
-2	3108	2784F/51-62-68	2992F/59-68-73	3061F/62-70-75	3131F/65-71-77
					3119**65-72-78
-4	3109	2793F/51-62-69	3001F/59-68-74	3070F/62-70-76	3141F/65-71-77
					3124**65-73-78
-6	3109	2802F/52-62-69	3011F/60-68-74	3080F/63-70-76	3151F/65-71-77
					3129**66-73-79
-8	3110	2812F/52-62-69	3021F/60-69-74	3090F/63-71-76	3162F/65-71-77
					3134**66-74-79
-10	3110	2821F/52-63-69	3031F/61-69-75	3100F/63-71-76	3172F/65-71-77
					3140**67-74-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
28	32	1277	0	67	1597	0	89	3947	0

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT RUNWAY 10 ORNI

***** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF AL NAJAF**
NAJAF NJF
777-200 GE90-94B DATED 30-AUG-2019

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2161	2260F/35-38-42	2420F/36-38-42	2476F/36-38-42	2533F/37-38-42
		2206**40-44-48	2268**49-54-57	2286**52-57-60	2291**53-58-61
58A	2205	2291F/36-39-44	2453F/37-39-44	2509F/37-39-44	2566F/38-39-44
		2244**40-45-49	2308**49-54-57	2326**52-58-61	2337**55-60-63
56A	2252	2323F/37-41-45	2486F/38-41-45	2543F/39-41-45	2601F/39-41-45
		2284**40-45-49	2349**49-55-58	2368**53-58-61	2385**56-61-64
54	2303	2356F/38-42-47	2521F/39-42-47	2579F/40-42-47	2638F/40-42-47
		2327**41-45-50	2394**50-55-59	2415**53-58-62	2433**56-62-65
52	2360	2393F/40-44-49	2560F/41-44-49	2619F/41-44-49	2680F/41-44-49
		2375**41-46-51	2445**50-56-59	2466**53-59-62	2485**56-62-66
50	2417	2429F/41-46-51	2599F/42-46-51	2660F/42-46-51	2723F/43-46-51
		2423**41-46-51	2495**50-56-60	2517**53-59-63	2537**56-63-66
48	2476	2466F/41-47-52	2638F/43-47-52	2701F/43-47-52	2765F/44-47-52
			2545**50-56-61	2568**54-60-64	2590**57-63-67
46	2534	2503F/42-48-53	2679F/44-49-54	2742F/45-49-54	2808F/45-49-54
			2596**51-57-61	2619**54-60-64	2642**57-63-67
44	2595	2541F/42-49-54	2721F/46-50-56	2785F/46-50-56	2852F/46-50-56
			2648**51-57-62	2673**54-61-65	2698**57-64-68
42	2662	2578F/42-50-56	2764F/47-52-58	2829F/47-52-58	2896F/48-52-58
			2706**51-58-63	2733**54-61-66	2758**57-64-69
40	2729	2613F/42-50-57	2805F/48-54-60	2871F/48-54-60	2939F/49-54-60
			2762**51-58-63	2790**54-61-66	2817**57-64-69
38	2787	2644F/43-51-58	2839F/49-55-61	2908F/49-55-61	2977F/50-55-61
			2810**51-58-63	2840**54-61-67	2868**57-65-70
36	2835	2671F/43-52-58	2869F/50-56-62	2939F/50-56-62	3008F/51-56-62
			2851**51-58-64	2882**54-61-67	2912**57-65-70
34	2880	2699F/43-52-59	2899F/50-57-64	2970F/51-57-64	3038F/51-57-64
			2889**51-58-64	2921**54-62-67	2953**57-65-70
32	2921	2725F/43-53-60	2928F/51-58-65	2998F/52-58-65	3067F/52-58-65
			2924**51-59-65	2957**54-62-68	2989**58-66-71
30	2962	2752F/43-53-61	2956F/51-59-65	3026F/52-59-66	3095F/53-59-66
				2992**54-62-68	3024**58-66-72
28	2967	2762F/44-54-61	2968F/51-59-66	3037F/52-59-66	3106F/53-59-66
				3000**55-63-69	3032**58-66-72
26	2968	2771F/44-54-61	2977F/52-59-66	3046F/52-59-66	3116F/53-59-66
			2973**52-60-66	3005**55-63-69	3037**59-67-72
24	2970	2779F/44-54-61	2987F/52-59-66	3056F/53-59-66	3126F/53-59-66
			2978**52-60-67	3010**56-64-70	3042**59-67-73
22	2971	2788F/44-54-62	2996F/52-59-66	3065F/53-59-66	3135F/53-59-66
			2983**52-61-67	3016**56-64-70	3047**59-68-73

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
10	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT RUNWAY 10 ORNI

***** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF AL NAJAF**
NAJAF NJF
777-200 GE90-94B DATED 30-AUG-2019
***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2972	2797F/45-55-62	3005F/52-60-66	3075F/53-60-66	3145F/53-60-66
			2988**53-61-67	3021**56-65-70	3052**60-68-74
18	2974	2806F/45-55-62	3014F/52-60-66	3084F/53-60-66	3155F/53-60-66
			2993**53-62-68	3026**57-65-71	3058**60-69-74
16	2975	2815F/45-55-62	3024F/52-60-66	3094F/53-60-66	3165F/53-60-66
			2998**54-62-68	3031**57-66-71	3063**61-69-74
14	2976	2824F/45-55-62	3033F/52-60-66	3104F/53-60-66	3175F/53-60-66
			3004**54-62-69	3036**58-66-72	3068**61-70-75
12	2978	2833F/46-56-63	3043F/52-60-66	3114F/53-60-66	3175F/53-60-66
			3009**54-63-69	3042**58-66-72	3074**62-70-75
10	2979	2842F/46-56-63	3053F/52-60-66	3124F/53-60-66	3175F/53-60-66
			3014**55-63-69	3047**58-67-73	3079**62-71-76
8	2981	2851F/46-56-63	3063F/52-60-66	3134F/53-60-66	3175F/53-60-66
			3020**55-64-70	3052**59-67-73	3084**62-71-76
6	2982	2861F/47-56-63	3073F/52-60-66	3144F/53-60-66	3175F/53-60-66
			3025**56-64-70	3058**59-68-73	3089**63-72-77
4	2983	2870F/47-57-64	3082F/53-60-66	3154F/53-60-66	3175F/53-60-66
			3030**56-65-71	3063**60-68-74	3094**63-72-77
2	2983	2879F/47-57-64	3092F/53-60-66	3164F/53-60-66	3175F/54-60-66
			3035**57-65-71	3068**60-69-74	3099**64-73-78
0	2984	2888F/47-57-64	3102F/53-60-66	3174F/53-60-66	3175F/54-60-66
			3040**57-66-72	3073**61-69-75	3104**64-73-78
-2	2985	2897F/48-57-64	3111F/53-60-66	3175F/53-60-66	3175F/54-60-66
			3045**57-66-72	3078**61-70-75	3109**65-74-79
-4	2985	2907F/48-58-64	3121F/53-60-66	3175F/53-60-66	3175F/54-60-66
			3050**58-67-72	3082**62-70-76	3114**65-74-79
-6	2986	2916F/48-58-65	3131F/53-60-66	3175F/53-60-66	3175F/54-60-66
			3055**58-67-73	3087**62-71-76	3119**66-75-80
-8	2986	2926F/49-58-65	3141F/53-60-66	3175F/53-60-66	3175F/54-60-66
			3059**59-68-73	3092**63-71-77	3123**66-75-80
-10	2986	2935F/49-58-65	3152F/53-60-66	3175F/53-60-66	3175F/54-60-66
			3064**59-68-74	3097**63-72-77	3128**67-76-81

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
10	NONE								

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT RUNWAY 28 ORNI

***** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF AL NAJAF**
NAJAF NJF
777-200 GE90-94B DATED 30-AUG-2019

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2161	2186*/35-38-42	2246*/36-38-42	2265*/36-38-42	2283*/37-38-42
		2204**40-44-48	2268**49-54-57	2286**52-57-60	2291**53-58-61
58A	2205	2227*/36-39-44	2289*/37-39-44	2308*/37-39-44	2327*/38-39-44
		2242**40-44-48	2308**49-54-57	2326**52-58-61	2337**55-60-63
56A	2252	2270*/37-41-45	2333*/38-41-45	2353*/39-41-45	2373*/39-41-45
		2282**40-45-49	2349**49-55-58	2368**53-58-61	2385**56-61-64
54	2303	2316*/38-42-47	2382*/39-42-47	2402*/40-42-47	2422*/40-42-47
		2325**41-45-50	2394**50-55-59	2415**53-58-62	2433**56-62-65
52	2360	2368*/40-44-49	2436*/41-44-49	2457*/41-44-49	2478*/41-44-49
		2373**41-46-50	2445**50-56-59	2466**53-59-62	2485**56-62-65
50	2417	2420*/41-46-51	2489*/42-46-51	2512*/42-46-51	2533*/43-46-51
		2420**41-46-51	2495**50-56-60	2517**53-59-63	2537**56-63-66
48	2476	2466F/41-47-52	2544*/43-47-52	2567*/43-47-52	2589*/44-47-52
			2545**50-56-61	2568**54-60-64	2590**57-63-67
46	2534	2503F/42-48-53	2598*/44-49-54	2621*/45-49-54	2645*/45-49-54
			2595**51-57-61	2619**54-60-64	2642**57-63-67
44	2595	2541F/42-49-54	2655*/46-50-56	2680*/46-50-56	2705*/46-50-56
			2648**51-57-62	2673**54-61-65	2698**57-64-68
42	2662	2578F/42-50-56	2717*/47-52-58	2744*/47-52-58	2769*/48-52-58
			2706**51-58-63	2732**54-61-66	2758**57-64-69
40	2729	2613F/42-50-57	2778*/48-54-60	2805*/48-54-60	2832*/49-54-60
			2762**51-58-63	2790**54-61-66	2817**57-64-69
38	2787	2644F/43-51-58	2830*/49-55-61	2859*/49-55-61	2886*/50-55-61
			2810**51-58-63	2840**54-61-67	2868**57-65-70
36	2835	2671F/43-52-58	2869F/50-56-62	2903*/50-56-62	2932*/51-56-62
			2850**51-58-64	2882**54-61-67	2912**57-65-70
34	2880	2699F/43-52-59	2899F/50-57-64	2946*/51-57-64	2975*/51-57-64
			2889**51-58-64	2921**54-62-67	2952**57-65-70
32	2921	2725F/43-53-60	2927F/51-58-65	2984*/52-58-65	3013*/52-58-65
			2924**51-59-65	2957**54-62-68	2989**58-65-71
30	2962	2752F/43-53-61	2956F/51-59-65	3021*/52-59-66	3050*/53-59-66
				2992**54-62-68	3024**58-66-72
28	2967	2762F/44-54-61	2967F/51-59-66	3028*/52-59-66	3057*/53-59-66
				3000**55-63-69	3032**58-66-72
26	2968	2770F/44-54-61	2977F/52-59-66	3032*/52-59-66	3061*/53-59-66
			2972**52-60-66	3005**55-63-69	3037**59-67-72
24	2970	2779F/44-54-61	2986F/52-59-66	3035*/53-59-66	3065*/53-59-66
			2978**52-60-67	3010**56-64-70	3042**59-67-73
22	2971	2788F/44-54-62	2996F/52-59-66	3039*/53-59-66	3068*/53-59-66
			2983**52-61-67	3016**56-64-70	3047**59-68-73

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
28	32	1277	0	67	1597	0	89	3947	0

ENG-OUT PROCEDURE:
NONE

PCN LIMITED WEIGHT 260000 Kg

ELEVATION 103 FT **RUNWAY 28** **ORNI**

***** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF** **AL NAJAF**
NAJAF NJF
777-200 GE90-94B **DATED 30-AUG-2019**

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2972	2797F/45-55-62	3005F/52-60-66	3043*/53-60-66	3072*/53-60-66
			2988**53-61-67	3021**56-65-70	3052**60-68-74
18	2974	2805F/45-55-62	3014F/52-60-66	3046*/53-60-66	3076*/53-60-66
			2993**53-62-68	3026**57-65-71	3057**60-69-74
16	2975	2814F/45-55-62	3020*/52-60-66	3050*/53-60-66	3079*/53-60-66
			2998**54-62-68	3031**57-66-71	3063**61-69-74
14	2976	2823F/45-55-62	3024*/52-60-66	3054*/53-60-66	3083*/53-60-66
			3003**54-62-69	3036**58-66-72	3068**61-70-75
12	2978	2833F/46-56-63	3028*/52-60-66	3058*/53-60-66	3087*/53-60-66
			3009**54-63-69	3042**58-66-72	3074**62-70-75
10	2979	2842F/46-56-63	3032*/52-60-66	3062*/53-60-66	3091*/53-60-66
			3014**55-63-69	3047**58-67-73	3079**62-70-76
8	2981	2851F/46-56-63	3036*/52-60-66	3065*/53-60-66	3094*/53-60-66
			3020**55-64-70	3052**59-67-73	3084**62-71-76
6	2982	2860F/47-56-63	3039*/53-60-66	3069*/53-60-66	3098*/53-60-66
			3025**56-64-70	3058**59-68-73	3089**63-71-77
4	2983	2869F/47-57-63	3043*/53-60-66	3072*/53-60-66	3101*/53-60-66
			3030**56-65-71	3063**60-68-74	3094**63-72-77
2	2983	2879F/47-57-64	3046*/53-60-66	3076*/53-60-66	3104*/54-60-66
			3035**57-65-71	3068**60-69-74	3099**64-72-78
0	2984	2888F/47-57-64	3049*/53-60-66	3079*/53-60-66	3107*/54-60-66
			3040**57-66-72	3073**61-69-75	3104**64-73-78
-2	2985	2897F/48-57-64	3052*/53-60-66	3082*/53-60-66	3110*/54-60-66
			3045**57-66-72	3078**61-70-75	3109**65-74-79
-4	2985	2906F/48-58-64	3055*/53-60-66	3085*/53-60-66	3113*/54-60-66
			3050**58-67-72	3082**62-70-76	3114**65-74-79
-6	2986	2916F/48-58-65	3058*/53-60-66	3088*/53-60-66	3116*/54-60-66
			3054**58-67-73	3087**62-71-76	3118**66-75-80
-8	2986	2925F/49-58-65	3061*/53-60-66	3091*/53-60-66	3119*/54-60-66
			3059**59-68-73	3092**63-71-77	3123**66-75-80
-10	2986	2935F/49-58-65	3064*/53-60-66	3093*/53-60-66	3122*/54-60-66
			3064**59-68-74	3097**63-72-77	3128**67-76-81

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 3000 M LONG WITH 70 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
28	32	1277	0	67	1597	0	89	3947	0

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46 2132**46-48-51	2222F/42-43-46 2152**49-51-53	2271F/42-43-46 2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48 2169**47-48-51	2252F/43-45-48 2190**50-51-54	2302F/43-45-48 2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49 2208**47-49-52	2283F/44-46-49 2229**50-52-55	2334F/45-46-49 2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51 2249**47-49-53	2315F/45-48-51 2270**50-52-55	2367F/46-48-51 2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53 2289**48-50-53	2347F/47-49-53 2311**51-53-56	2399F/47-49-53 2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2379F/48-51-54 2353**51-53-57	2432F/48-51-54 2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56 2400**51-54-57	2468F/49-52-56 2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58 2447**51-54-58	2505F/51-54-58 2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60 2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2581F/54-57-62 2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2739F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2702F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2668F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2722F/54-60-67	2786F/56-62-68	2853F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2841F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46 2132**46-48-51	2222F/42-43-46 2152**49-51-53	2271F/42-43-46 2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48 2169**47-48-51	2252F/43-45-48 2190**50-51-54	2302F/43-45-48 2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49 2208**47-49-52	2283F/44-46-49 2229**50-52-55	2334F/45-46-49 2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51 2249**47-49-53	2315F/45-48-51 2270**50-52-55	2367F/46-48-51 2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53 2289**48-50-53	2346F/47-49-53 2311**51-53-56	2399F/47-49-53 2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2378F/48-51-54 2353**51-53-57	2432F/48-51-54 2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56 2400**51-54-57	2468F/49-52-56 2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58 2447**51-54-58	2505F/51-54-58 2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60 2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2580F/54-57-62 2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2738F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2701F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2667F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2721F/54-60-67	2786F/56-62-68	2852F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2840F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2590F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2917F/50-55-61
				2816**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2649F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-69-73
-4	2844	2743F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2899**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3052F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2589F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2916F/50-55-61
				2815**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2648F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-68-73
-4	2844	2742F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2898**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3051F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2066	2197F/40-42-45	2339F/41-42-45	2388F/41-42-45	2439F/41-42-45
		2123**47-51-53	2171**55-60-61	2183**58-63-64	2192**61-65-67
58A	2108	2227F/41-44-47	2370F/42-44-47	2420F/42-44-47	2472F/42-44-47
		2160**47-51-54	2210**56-60-62	2224**58-63-65	2234**61-66-68
56A	2153	2257F/42-45-48	2403F/43-45-48	2454F/43-45-48	2506F/43-45-48
		2199**47-52-54	2251**56-61-63	2266**59-64-66	2277**62-67-69
54A	2200	2288F/43-46-50	2437F/44-46-50	2488F/44-46-50	2541F/45-46-50
		2239**47-52-55	2295**56-61-63	2309**59-64-66	2322**62-67-69
52A	2248	2319F/44-48-51	2470F/45-48-51	2523F/45-48-51	2576F/46-48-51
		2279**48-52-55	2338**57-61-64	2354**60-64-67	2368**62-68-70
50A	2295	2349F/45-49-53	2503F/46-49-53	2556F/47-49-53	2610F/47-49-53
		2319**48-53-56	2380**57-62-64	2398**60-65-67	2413**63-68-70
48	2347	2382F/46-51-55	2538F/47-51-55	2591F/48-51-55	2647F/48-51-55
		2363**48-53-57	2427**57-62-65	2445**60-65-68	2461**63-68-71
46	2401	2417F/47-53-56	2575F/49-53-56	2629F/49-53-56	2687F/49-53-56
		2409**48-53-57	2475**57-63-66	2494**60-66-69	2513**63-69-72
44	2459	2453F/48-54-58	2612F/50-54-58	2669F/50-54-58	2727F/51-54-58
			2524**57-63-66	2545**60-66-69	2564**63-69-72
42	2520	2487F/48-55-59	2649F/51-56-60	2708F/52-56-60	2768F/52-56-60
			2576**57-63-67	2597**60-66-70	2617**63-70-73
40	2580	2521F/48-56-60	2687F/52-58-62	2747F/53-58-62	2808F/53-58-62
			2627**57-64-67	2650**60-67-70	2673**63-70-73
38	2640	2555F/49-57-61	2725F/54-59-64	2785F/54-59-64	2848F/55-59-64
			2677**57-64-68	2703**60-67-71	2726**63-70-74
36	2688	2581F/49-57-62	2755F/54-61-65	2816F/55-61-65	2879F/56-61-65
			2719**57-64-68	2745**60-67-71	2770**63-70-74
34	2737	2608F/49-58-63	2785F/55-62-67	2847F/56-62-67	2911F/56-62-67
			2759**57-64-69	2787**60-67-72	2814**63-71-75
32	2775	2632F/49-59-64	2812F/56-63-68	2875F/56-63-68	2940F/57-63-68
			2792**57-65-69	2821**60-68-72	2848**64-71-75
30	2813	2657F/50-59-65	2840F/56-64-69	2903F/57-64-69	2968F/58-64-69
			2825**57-65-70	2854**60-68-73	2882**64-71-76
28	2853	2685F/50-60-65	2869F/57-65-70	2933F/58-65-70	2998F/58-65-70
			2861**57-66-70	2890**61-69-73	2918**64-72-76
26	2893	2712F/50-60-66	2898F/58-66-71	2962F/58-66-71	3026F/59-66-71
			2895**57-66-71	2924**61-69-74	2953**64-72-77
24	2914	2729F/50-61-67	2917F/58-66-71	2982F/59-66-71	3045F/59-66-71
			2915**58-66-71	2945**61-70-74	2973**64-73-77
22	2914	2738F/51-61-67	2926F/58-66-71	2991F/59-66-71	3054F/59-66-71
			2920**58-67-72	2949**62-70-75	2978**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2915	2746F/51-61-67	2935F/58-66-71	3000F/59-66-71	3064F/59-66-71
			2924**59-67-72	2954**62-71-75	2982**65-74-78
18	2916	2754F/51-62-67	2944F/58-66-71	3009F/59-66-71	3073F/60-66-71
			2929**59-68-73	2959**62-71-76	2987**66-74-79
16	2916	2763F/51-62-68	2953F/58-66-71	3018F/59-66-71	3082F/60-66-71
			2933**59-68-73	2963**63-71-76	2992**66-75-79
14	2917	2771F/52-62-68	2963F/58-66-71	3027F/59-66-71	3092F/60-66-71
			2938**60-69-73	2968**63-72-76	2996**67-75-79
12	2918	2780F/52-62-68	2972F/58-66-71	3036F/59-66-71	3101F/60-66-71
			2943**60-69-74	2972**64-72-77	3001**67-76-80
10	2918	2788F/52-63-68	2982F/58-66-71	3046F/59-66-71	3111F/60-66-71
			2948**61-70-74	2977**64-73-77	3005**68-76-80
8	2919	2797F/53-63-68	2991F/58-66-71	3055F/59-66-71	3121F/60-66-71
			2953**61-70-75	2982**65-73-78	3010**68-77-81
6	2920	2806F/53-63-69	3001F/59-66-71	3065F/59-66-71	3131F/60-66-71
			2958**62-70-75	2987**65-74-78	3014**68-77-81
4	2921	2815F/53-63-69	3010F/59-66-71	3075F/59-66-71	3141F/60-66-71
			2963**62-71-76	2992**65-74-79	3019**69-78-82
2	2921	2824F/53-64-69	3019F/59-66-72	3085F/59-66-72	3151F/60-66-72
			2967**62-71-76	2996**66-75-79	3023**69-78-82
0	2922	2833F/54-64-69	3029F/59-67-72	3094F/60-67-72	3161F/60-67-72
			2972**63-72-76	3001**66-75-80	3028**70-79-83
-2	2922	2842F/54-64-70	3038F/59-67-72	3104F/60-67-72	3172F/60-67-72
			2976**63-72-77	3005**67-76-80	3032**70-79-83
-4	2922	2851F/54-64-70	3048F/59-67-72	3114F/60-67-72	3175F/60-67-72
			2981**64-73-77	3010**67-76-81	3037**71-80-84
-6	2923	2861F/55-65-70	3058F/59-67-72	3124F/60-67-72	3175F/60-67-72
			2986**64-73-78	3014**68-77-81	3041**71-80-84
-8	2923	2870F/55-65-70	3067F/59-67-72	3134F/60-67-72	3175F/60-67-72
			2990**65-74-78	3018**68-77-81	3045**72-81-85
-10	2923	2879F/55-65-70	3077F/59-67-72	3145F/60-67-72	3175F/60-67-72
			2995**65-74-79	3023**69-78-82	3050**72-81-85

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2066	2179F/40-42-45	2319F/41-42-45	2367F/41-42-45	2416F/42-42-45
		2116**46-50-52	2165**55-58-60	2179**58-61-63	2189**60-64-66
58A	2108	2209F/41-44-47	2350F/42-44-47	2399F/42-44-47	2449F/43-44-47
		2153**47-50-53	2205**55-59-61	2219**58-62-64	2230**61-65-67
56A	2153	2240F/43-45-48	2383F/43-45-48	2433F/44-45-48	2484F/44-45-48
		2192**47-51-53	2245**55-59-62	2260**58-62-64	2272**61-65-67
54A	2200	2271F/44-46-50	2416F/45-46-50	2467F/45-46-50	2519F/45-46-50
		2232**47-51-54	2288**56-60-62	2304**59-63-65	2318**62-66-68
52A	2248	2301F/45-48-51	2450F/46-48-51	2501F/46-48-51	2554F/46-48-51
		2272**47-51-54	2331**56-60-63	2348**59-63-66	2362**62-66-69
50A	2295	2332F/46-49-53	2483F/47-49-53	2535F/47-49-53	2588F/47-49-53
		2312**48-52-55	2374**56-61-63	2391**59-64-66	2407**62-67-69
48	2347	2365F/47-51-55	2518F/48-51-55	2571F/48-51-55	2626F/49-51-55
		2355**48-52-56	2420**57-61-64	2438**60-64-67	2456**63-67-70
46	2401	2399F/48-53-56	2555F/49-53-56	2609F/50-53-56	2665F/50-53-56
			2467**57-62-65	2488**60-65-68	2506**63-68-71
44	2459	2435F/48-53-57	2592F/51-54-58	2647F/51-54-58	2705F/51-54-58
			2517**57-62-65	2538**60-65-68	2557**63-68-71
42	2520	2469F/49-54-59	2630F/52-56-60	2687F/52-56-60	2746F/53-56-60
			2568**57-62-66	2590**60-65-69	2611**63-68-72
40	2580	2504F/49-55-60	2667F/53-58-62	2726F/54-58-62	2786F/54-58-62
			2618**57-63-66	2642**60-66-69	2665**63-69-72
38	2640	2537F/49-56-61	2704F/54-59-64	2764F/55-59-64	2825F/55-59-64
			2669**57-63-67	2694**60-66-70	2718**63-69-73
36	2688	2564F/49-57-62	2734F/55-61-65	2795F/56-61-65	2857F/56-61-65
			2710**57-63-67	2736**60-66-70	2762**63-69-73
34	2737	2590F/50-57-63	2764F/56-62-67	2826F/57-62-67	2889F/57-62-67
			2750**57-63-68	2778**60-66-71	2805**63-70-74
32	2775	2615F/50-58-63	2791F/57-63-68	2854F/57-63-68	2917F/58-63-68
			2783**57-64-68	2811**60-67-71	2839**64-70-74
30	2813	2639F/50-59-64	2818F/57-64-69	2881F/58-64-69	2946F/59-64-69
			2815**57-64-69	2845**61-67-72	2873**64-70-75
28	2853	2667F/50-59-65	2848F/58-65-70	2911F/59-65-70	2977F/59-65-70
				2880**61-68-72	2908**64-71-75
26	2893	2693F/51-60-66	2877F/58-65-70	2940F/59-66-71	3005F/60-66-71
				2914**61-68-73	2943**64-71-76
24	2914	2711F/51-60-66	2895F/58-66-71	2960F/60-66-71	3024F/60-66-71
				2935**61-69-73	2964**65-72-76
22	2914	2719F/51-61-66	2904F/58-66-71	2969F/60-66-71	3033F/60-66-71
				2939**62-69-74	2968**65-72-77

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2915	2727F/51-61-67	2913F/59-66-71	2978F/60-66-71	3042F/60-66-71
				2944**62-69-74	2973**65-73-77
18	2916	2735F/52-61-67	2922F/59-66-71	2988F/60-66-71	3051F/60-66-71
			2919**59-67-72	2949**62-70-75	2978**66-73-78
16	2916	2743F/52-61-67	2932F/59-66-71	2997F/60-66-71	3061F/61-66-71
			2923**60-67-72	2954**63-70-75	2982**66-74-78
14	2917	2752F/52-62-67	2941F/59-66-71	3006F/60-66-71	3070F/61-66-71
			2928**60-68-72	2958**63-71-75	2987**67-74-78
12	2918	2760F/52-62-68	2950F/59-66-71	3015F/60-66-71	3079F/61-66-71
			2933**60-68-73	2963**64-71-76	2991**67-75-79
10	2918	2769F/53-62-68	2960F/59-66-71	3024F/60-66-71	3089F/61-66-71
			2937**61-68-73	2967**64-72-76	2996**68-75-79
8	2919	2778F/53-62-68	2969F/59-66-71	3034F/60-66-71	3098F/61-66-71
			2942**61-69-74	2972**65-72-77	3001**68-75-80
6	2920	2786F/53-63-68	2979F/60-66-71	3043F/60-66-71	3108F/61-66-71
			2947**62-69-74	2977**65-73-77	3006**69-76-80
4	2921	2795F/54-63-68	2989F/60-66-71	3053F/60-66-71	3118F/61-66-71
			2952**62-70-75	2982**66-73-78	3010**69-76-81
2	2921	2804F/54-63-69	2998F/60-66-72	3063F/60-66-72	3128F/61-66-72
			2957**63-70-75	2987**66-74-78	3015**69-77-81
0	2922	2813F/54-63-69	3007F/60-67-72	3072F/60-67-72	3138F/61-67-72
			2962**63-71-75	2991**66-74-79	3019**70-77-82
-2	2922	2822F/55-64-69	3017F/60-67-72	3082F/61-67-72	3147F/61-67-72
			2967**63-71-76	2996**67-75-79	3023**70-78-82
-4	2922	2831F/55-64-69	3026F/60-67-72	3091F/61-67-72	3158F/61-67-72
			2971**64-72-76	3000**67-75-79	3028**71-79-83
-6	2923	2840F/55-64-70	3036F/60-67-72	3101F/61-67-72	3168F/61-67-72
			2976**64-72-77	3005**68-76-80	3032**71-79-83
-8	2923	2849F/55-64-70	3045F/60-67-72	3111F/61-67-72	3175F/61-67-72
			2980**65-73-77	3009**68-76-80	3036**72-80-84
-10	2923	2858F/56-65-70	3055F/60-67-72	3121F/61-67-72	3175F/61-67-72
			2985**65-73-78	3014**69-77-81	3041**72-80-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1986	2283F/30-33-37	2434F/31-33-37	2487F/31-33-37	2540F/31-33-37
		2103**46-52-54	2103**47-52-54	2103**48-52-54	2103**48-52-54
58A	2026	2315F/31-34-38	2467F/32-34-38	2520F/32-34-38	2574F/33-34-38
		2142**47-53-55	2146**49-54-56	2146**49-54-56	2146**49-54-56
56A	2070	2347F/32-35-40	2501F/33-35-40	2555F/34-35-40	2610F/34-35-40
		2181**47-53-56	2191**50-55-58	2191**50-55-58	2191**50-55-58
54A	2116	2379F/34-37-41	2536F/35-37-41	2591F/35-37-41	2647F/35-37-41
		2223**47-53-56	2240**51-57-59	2240**51-57-59	2240**52-57-59
52A	2162	2411F/35-38-43	2571F/36-38-43	2626F/36-38-43	2685F/36-38-43
		2265**47-54-57	2289**53-58-61	2289**53-58-61	2289**53-58-61
50A	2207	2442F/36-40-44	2605F/37-40-44	2662F/37-40-44	2723F/37-40-44
		2306**47-54-57	2337**54-60-63	2337**54-60-63	2337**54-60-63
48	2257	2476F/37-41-46	2641F/38-41-46	2701F/38-41-46	2763F/38-41-46
		2350**48-54-58	2391**55-62-65	2391**55-62-65	2391**56-62-65
46	2310	2513F/38-43-47	2681F/39-43-47	2742F/39-43-47	2804F/40-43-47
		2397**48-55-58	2447**57-63-66	2447**57-63-66	2447**57-63-66
44	2366	2549F/39-44-49	2722F/40-44-49	2784F/41-44-49	2847F/41-44-49
		2445**48-55-59	2503**57-64-68	2506**58-65-68	2506**59-65-68
42	2423	2585F/40-46-51	2763F/41-46-51	2825F/42-46-51	2889F/42-46-51
		2494**48-55-59	2555**57-65-68	2568**60-67-70	2568**60-67-70
40	2481	2621F/41-47-53	2802F/43-47-53	2866F/43-47-53	2930F/43-47-53
		2543**47-55-60	2608**57-65-69	2627**60-68-72	2631**62-69-73
38	2537	2656F/42-49-54	2841F/44-49-54	2906F/44-49-54	2971F/45-49-54
		2590**47-56-60	2660**57-65-69	2681**60-68-72	2695**63-71-74
36	2580	2685F/43-50-56	2872F/45-50-56	2938F/45-50-56	3003F/45-50-56
		2628**47-56-61	2703**57-65-69	2726**60-69-72	2747**63-72-76
34	2623	2713F/44-51-57	2903F/46-51-57	2969F/46-51-57	3034F/46-51-57
		2665**47-56-61	2745**57-65-70	2770**60-69-73	2792**63-72-76
32	2660	2740F/44-52-58	2931F/46-52-58	2998F/47-52-58	3063F/47-52-58
		2697**47-56-62	2779**57-66-70	2804**60-69-73	2828**64-72-76
30	2696	2766F/45-53-59	2960F/47-53-59	3025F/47-53-59	3091F/48-53-59
		2729**47-57-62	2813**57-66-71	2839**60-69-74	2863**64-73-77
28	2737	2795F/45-54-60	2990F/48-54-60	3055F/48-54-60	3122F/48-54-60
		2764**47-57-63	2849**57-67-71	2875**61-70-74	2899**64-73-77
26	2777	2823F/46-55-61	3019F/48-55-61	3084F/49-55-61	3151F/49-55-61
		2798**47-57-63	2884**57-67-72	2910**61-70-75	2935**64-74-78
24	2798	2841F/46-56-62	3037F/48-56-62	3103F/49-56-62	3170F/49-56-62
		2818**48-58-63	2904**58-67-72	2930**61-71-75	2956**64-74-78
22	2798	2850F/46-56-62	3046F/48-56-62	3112F/49-56-62	3175F/49-56-62
		2822**48-58-64	2908**58-68-73	2935**61-71-76	2960**65-75-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2799	2858F/46-56-62	3055F/49-56-62	3122F/49-56-62	3175F/50-56-62
		2826**48-59-64	2912**58-68-73	2939**62-72-76	2964**65-75-79
18	2799	2867F/46-56-62	3064F/49-56-62	3131F/49-56-62	3175F/50-56-62
		2831**49-59-65	2917**59-69-74	2943**62-72-77	2968**66-75-80
16	2800	2876F/46-56-62	3074F/49-56-62	3141F/49-56-62	3175F/50-56-62
		2835**49-59-65	2921**59-69-74	2947**63-73-77	2972**66-76-80
14	2800	2885F/46-56-62	3083F/49-56-62	3150F/49-56-62	3175F/50-56-62
		2840**50-60-65	2926**60-70-74	2952**63-73-78	2976**67-76-81
12	2801	2894F/47-56-62	3092F/49-56-62	3160F/49-56-62	3175F/50-56-62
		2844**50-60-66	2930**60-70-75	2956**64-74-78	2980**67-77-81
10	2801	2903F/47-56-62	3102F/49-56-62	3170F/49-56-62	3175F/50-56-62
		2848**50-61-66	2934**61-71-75	2960**64-74-78	2984**68-77-82
8	2802	2912F/47-56-62	3111F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2853**51-61-67	2939**61-71-76	2965**65-75-79	2988**68-78-82
6	2803	2921F/47-56-62	3121F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2858**51-62-67	2943**62-72-76	2969**65-75-79	2993**69-78-83
4	2803	2931F/47-56-62	3131F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2862**52-62-67	2947**62-72-77	2973**66-76-80	2994**69-79-83
2	2804	2940F/47-56-62	3141F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2867**52-63-68	2952**62-73-77	2977**66-76-80	2995**69-79-83
0	2804	2949F/47-56-62	3151F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2871**52-63-68	2956**63-73-78	2981**66-77-81	2995**69-79-83
-2	2805	2959F/47-56-62	3161F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2876**53-63-69	2960**63-74-78	2985**67-77-81	2996**69-79-83
-4	2805	2968F/47-56-62	3171F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2880**53-64-69	2965**64-74-79	2989**67-78-82	2996**69-79-83
-6	2805	2978F/47-56-62	3175F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2885**54-64-70	2969**64-75-79	2993**68-78-82	2996**69-79-83
-8	2805	2987F/47-56-62	3175F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2889**54-65-70	2973**65-75-80	2997**68-79-83	2997**69-79-83
-10	2805	2996F/47-56-62	3175F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2893**55-65-70	2977**65-76-80	2997**69-79-83	2997**69-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1986	2263F/30-33-37	2412F/31-33-37	2463F/32-33-37	2515F/32-33-37
		2098**46-51-53	2103**48-52-54	2103**48-52-54	2103**48-52-54
58A	2026	2294F/32-34-38	2445F/32-34-38	2497F/33-34-38	2550F/33-34-38
		2136**46-51-54	2146**49-54-56	2146**49-54-56	2146**50-54-56
56A	2070	2327F/33-35-40	2480F/34-35-40	2532F/34-35-40	2586F/34-35-40
		2175**47-52-55	2191**50-55-58	2191**51-55-58	2191**51-55-58
54A	2116	2360F/34-37-41	2514F/35-37-41	2568F/35-37-41	2622F/36-37-41
		2217**47-52-55	2240**52-57-59	2240**52-57-59	2240**52-57-59
52A	2162	2392F/35-38-43	2549F/36-38-43	2604F/36-38-43	2659F/37-38-43
		2259**47-53-56	2289**53-58-61	2289**53-58-61	2289**54-58-61
50A	2207	2424F/36-40-44	2584F/37-40-44	2639F/38-40-44	2697F/38-40-44
		2299**47-53-56	2337**54-60-63	2337**55-60-63	2337**55-60-63
48	2257	2458F/37-41-46	2620F/38-41-46	2679F/39-41-46	2738F/39-41-46
		2343**47-53-57	2391**56-62-65	2391**56-62-65	2391**56-62-65
46	2310	2494F/39-43-47	2659F/40-43-47	2719F/40-43-47	2781F/40-43-47
		2390**47-54-57	2446**57-63-66	2447**58-63-66	2447**58-63-66
44	2366	2531F/40-44-49	2700F/41-44-49	2761F/41-44-49	2823F/41-44-49
		2437**48-54-58	2497**57-63-67	2506**59-65-68	2506**59-65-68
42	2423	2566F/41-46-51	2740F/42-46-51	2802F/42-46-51	2865F/43-46-51
		2487**48-54-58	2549**57-64-67	2567**60-67-70	2568**61-67-70
40	2481	2602F/42-47-53	2780F/43-47-53	2842F/44-47-53	2906F/44-47-53
		2535**47-54-59	2602**57-64-68	2621**60-67-71	2631**62-69-73
38	2537	2636F/43-49-54	2819F/44-49-54	2882F/45-49-54	2947F/45-49-54
		2582**47-55-59	2653**57-64-68	2674**60-67-71	2694**63-71-74
36	2580	2665F/44-50-56	2850F/45-50-56	2914F/46-50-56	2980F/46-50-56
		2619**47-55-60	2695**57-64-68	2719**60-67-71	2740**63-71-75
34	2623	2693F/45-51-57	2881F/46-51-57	2946F/47-51-57	3011F/47-51-57
		2656**47-55-60	2737**57-64-69	2761**60-68-72	2785**63-71-75
32	2660	2720F/45-52-58	2909F/47-52-58	2975F/47-52-58	3039F/48-52-58
		2688**47-55-61	2771**57-65-69	2796**60-68-72	2820**63-71-75
30	2696	2746F/46-53-59	2937F/48-53-59	3003F/48-53-59	3067F/48-53-59
		2720**47-56-61	2804**57-65-70	2830**60-68-73	2855**64-72-76
28	2737	2775F/46-54-60	2968F/48-54-60	3033F/49-54-60	3098F/49-54-60
		2755**48-56-62	2840**57-66-70	2866**61-69-73	2892**64-72-76
26	2777	2803F/47-55-61	2997F/49-55-61	3062F/49-55-61	3127F/50-55-61
		2789**48-56-62	2875**58-66-71	2902**61-69-74	2927**64-73-77
24	2798	2821F/47-56-62	3016F/49-56-62	3081F/50-56-62	3147F/50-56-62
		2808**48-57-63	2895**58-66-71	2922**61-70-74	2947**64-73-77
22	2798	2829F/47-56-62	3024F/49-56-62	3090F/50-56-62	3156F/50-56-62
		2813**48-57-63	2899**58-67-72	2926**62-70-75	2952**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2799	2838F/47-56-62	3033F/49-56-62	3099F/50-56-62	3166F/50-56-62
		2817**49-58-63	2903**59-67-72	2930**62-71-75	2956**65-74-78
18	2799	2847F/47-56-62	3042F/49-56-62	3108F/50-56-62	3175F/50-56-62
		2821**49-58-64	2908**59-68-73	2935**62-71-76	2960**66-74-79
16	2800	2855F/47-56-62	3052F/50-56-62	3118F/50-56-62	3175F/50-56-62
		2826**49-58-64	2912**59-68-73	2939**63-72-76	2964**66-75-79
14	2800	2864F/47-56-62	3061F/50-56-62	3127F/50-56-62	3175F/50-56-62
		2830**50-59-64	2917**60-69-73	2943**63-72-77	2968**67-75-80
12	2801	2872F/48-56-62	3070F/50-56-62	3136F/50-56-62	3175F/50-56-62
		2834**50-59-65	2921**60-69-74	2947**64-72-77	2972**67-76-80
10	2801	2881F/48-56-62	3079F/50-56-62	3146F/50-56-62	3175F/50-56-62
		2839**51-60-65	2926**61-70-74	2952**64-73-77	2976**68-76-81
8	2802	2890F/48-56-62	3089F/50-56-62	3156F/50-56-62	3175F/51-56-62
		2844**51-60-66	2930**61-70-75	2956**65-73-78	2981**68-77-81
6	2803	2899F/48-56-62	3098F/50-56-62	3166F/50-56-62	3175F/51-56-62
		2848**51-61-66	2934**62-71-75	2961**65-74-78	2985**69-77-82
4	2803	2908F/48-56-62	3108F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2853**52-61-66	2939**62-71-76	2965**65-74-79	2989**69-78-82
2	2804	2918F/48-56-62	3118F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2857**52-61-67	2943**62-72-76	2969**66-75-79	2993**69-78-83
0	2804	2927F/48-56-62	3127F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2862**53-62-67	2947**63-72-77	2973**66-75-80	2995**70-79-83
-2	2805	2936F/48-56-62	3137F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2866**53-62-68	2952**63-73-77	2977**67-76-80	2996**70-79-83
-4	2805	2945F/48-56-62	3147F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2870**53-63-68	2956**64-73-78	2981**67-76-81	2996**70-79-83
-6	2805	2955F/48-56-62	3156F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2875**54-63-69	2960**64-74-78	2985**68-77-81	2996**70-79-83
-8	2805	2964F/48-56-62	3166F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2879**54-64-69	2964**65-74-79	2989**68-78-82	2997**70-79-83
-10	2805	2974F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2884**55-64-69	2969**65-75-79	2993**69-78-82	2997**70-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2078	1933*/36-37-41	1996*/39-39-43	2016*/40-40-44	2035*/41-41-44
		1935**36-40-43	2019**45-47-49	2047**48-50-52	2073**51-53-55
58A	2120	1969*/37-38-42	2034*/41-41-44	2055*/41-41-45	2075*/42-42-46
		1970**37-40-44	2056**46-47-50	2083**48-50-53	2109**51-53-55
56A	2166	2007*/38-39-43	2076*/42-42-46	2096*/43-43-46	2117*/44-44-47
			2094**46-48-51	2122**49-50-53	2149**51-53-56
54A	2213	2046*/38-41-45	2119*/43-43-47	2140*/44-44-48	2161*/45-45-49
			2133**46-48-51	2162**49-51-54	2190**52-53-56
52A	2261	2085*/39-42-46	2162*/45-45-49	2183*/46-46-49	2205*/46-46-50
			2172**47-49-53	2201**49-51-54	2230**52-54-57
50A	2309	2122*/39-43-48	2205*/46-46-50	2227*/47-47-51	2249*/48-48-52
			2211**47-50-53	2241**50-52-55	2271**52-54-57
48	2362	2155F/39-44-49	2252*/47-47-52	2275*/48-48-52	2298*/49-49-53
			2254**47-50-54	2285**50-52-56	2316**53-54-58
46	2417	2188F/40-45-50	2298*/47-49-53	2325*/50-50-54	2348*/51-51-55
			2299**47-51-55	2330**50-53-57	2362**53-56-59
44	2476	2221F/40-46-51	2345*/48-50-55	2376*/50-51-56	2402*/52-52-57
				2378**50-54-58	2410**53-56-60
42	2537	2254F/40-47-52	2394*/48-52-56	2425*/50-53-57	2456*/53-54-58
				2427**50-54-59	2459**53-57-61
40	2599	2286F/41-47-53	2442*/48-53-58	2474*/51-54-59	2506*/53-55-60
					2508**53-58-62
38	2658	2316F/41-48-54	2475F/48-54-59	2521*/51-55-60	2554*/54-56-61
					2555**54-58-63
36	2708	2341F/41-49-55	2502F/48-54-60	2558F/51-56-62	2592*/54-58-63
					2594**54-59-64
34	2756	2365F/42-49-56	2528F/49-55-61	2585F/51-57-63	2630*/54-59-64
32	2794	2388F/42-50-57	2553F/49-56-62	2610F/52-58-63	2662*/54-59-65
30	2831	2410F/42-51-58	2577F/50-56-62	2635F/52-58-64	2694*/54-60-66
28	2873	2435F/42-51-58	2605F/50-57-63	2664F/52-59-65	2726F/55-61-67
26	2913	2459F/43-52-59	2630F/50-58-64	2691F/53-60-66	2754F/55-62-67
24	2928	2472F/43-52-60	2644F/50-58-65	2706F/53-60-66	2770F/55-62-68
22	2929	2479F/43-53-60	2653F/51-58-65	2715F/53-60-66	2779F/56-62-68
20	2930	2486F/43-53-60	2661F/51-59-65	2724F/54-61-67	2787*/56-62-68
18	2931	2493F/44-53-60	2669F/51-59-65	2732F/54-61-67	2791*/56-63-68
16	2931	2501F/44-53-61	2678F/52-59-65	2741F/54-61-67	2795*/57-63-68
14	2932	2508F/44-54-61	2686F/52-59-66	2750F/54-61-67	2799*/57-63-69
					2800**57-64-69
12	2933	2515F/45-54-61	2695F/52-60-66	2758F/55-62-68	2803*/58-63-69
					2804**58-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
10	2933	2523F/45-54-61	2703F/53-60-66	2767F/55-62-68	2807*/58-63-69
					2809**58-65-70
8	2934	2531F/45-54-61	2712F/53-60-66	2773*/55-62-68	2811*/58-63-69
					2813**58-65-71
6	2935	2538F/45-55-62	2721F/53-61-67	2777*/56-62-68	2815*/59-63-69
					2818**59-66-71
4	2936	2546F/46-55-62	2730F/53-61-67	2781*/56-62-68	2819*/59-63-69
				2782**56-63-69	2822**59-66-71
2	2937	2554F/46-55-62	2739F/54-61-67	2785*/57-62-68	2823*/60-64-69
				2786**57-64-69	2826**60-66-72
0	2937	2562F/46-55-62	2748F/54-61-67	2788*/57-63-68	2826*/60-64-69
				2790**57-64-70	2831**60-67-72
-2	2937	2569F/47-56-63	2754*/54-61-67	2792*/58-63-68	2830*/61-64-69
				2795**58-65-70	2835**61-68-73
-4	2938	2577F/47-56-63	2757*/55-62-67	2796*/58-63-68	2834*/61-64-69
				2799**58-65-71	2839**61-68-73
-6	2938	2585F/47-56-63	2761*/55-62-68	2799*/58-63-69	2837*/62-64-69
			2762**55-63-68	2803**58-66-71	2843**62-69-74
-8	2938	2593F/47-56-63	2765*/56-62-68	2803*/59-63-69	2841*/62-64-70
			2766**56-63-69	2807**59-66-72	2847**62-69-74
-10	2938	2602F/48-57-63	2768*/56-62-68	2807*/59-63-69	2844*/63-64-70
			2770**56-64-69	2811**59-67-72	2852**62-70-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 23 HSFS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF EL FASHIR ELF

777-200 GE90-94B DATED 01-FEB-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2078	1974F/35-39-42	2119F/41-43-46	2167F/41-43-46	2216F/42-43-46
			2097**43-45-48	2117**46-48-51	2137**49-51-54
58A	2120	2003F/36-39-43	2147F/42-44-47	2196F/43-44-47	2246F/43-44-47
			2133**43-46-49	2154**46-49-51	2174**49-52-54
56A	2166	2034F/37-40-44	2177F/43-45-49	2227F/44-45-49	2277F/44-45-49
			2171**44-46-49	2192**47-49-52	2213**50-52-55
54A	2213	2064F/38-41-45	2208F/44-47-50	2258F/45-47-50	2309F/45-47-50
				2233**47-50-53	2254**50-53-55
52A	2261	2094F/38-42-47	2238F/45-48-51	2288F/46-48-52	2340F/46-48-52
				2274**47-50-53	2295**50-53-56
50A	2309	2122F/39-43-48	2268F/45-48-52	2319F/47-50-53	2371F/48-50-53
				2313**47-50-54	2336**50-53-57
48	2362	2154F/39-44-49	2302F/46-49-53	2353F/48-51-55	2406F/49-51-55
					2382**51-54-57
46	2417	2187F/40-45-50	2337F/46-50-54	2389F/48-52-56	2442F/50-53-57
					2429**51-54-58
44	2476	2220F/40-46-51	2372F/47-51-56	2425F/49-53-57	2479F/51-55-59
					2477**51-55-59
42	2537	2252F/40-47-52	2406F/47-52-57	2460F/50-54-58	2515F/52-56-60
40	2599	2285F/41-47-53	2441F/48-53-58	2496F/50-55-60	2552F/52-57-61
38	2658	2315F/41-48-54	2474F/48-54-59	2529F/50-56-61	2586F/53-58-62
36	2708	2340F/41-49-55	2501F/48-54-60	2557F/51-56-62	2614F/53-58-63
34	2756	2364F/42-49-56	2527F/49-55-61	2584F/51-57-62	2642F/54-59-64
32	2794	2387F/42-50-57	2551F/49-56-62	2608F/52-58-63	2668F/54-60-65
30	2831	2409F/42-51-58	2576F/50-56-62	2633F/52-58-64	2695F/54-60-66
28	2873	2434F/42-51-58	2603F/50-57-63	2662F/52-59-65	2724F/55-61-67
26	2913	2457F/43-52-59	2629F/50-58-64	2690F/53-60-66	2752F/55-62-67
24	2928	2470F/43-52-60	2643F/51-58-65	2705F/53-60-66	2768F/55-62-68
22	2929	2478F/43-53-60	2651F/51-58-65	2713F/53-60-66	2777F/56-62-68
20	2930	2485F/43-53-60	2659F/51-59-65	2722F/54-61-67	2786F/56-62-68
18	2931	2492F/44-53-60	2668F/51-59-65	2730F/54-61-67	2795F/56-63-68
16	2931	2499F/44-53-60	2676F/52-59-65	2739F/54-61-67	2804F/57-63-69
14	2932	2507F/44-54-61	2685F/52-59-66	2748F/54-61-67	2813F/57-63-69
12	2933	2514F/45-54-61	2693F/52-60-66	2757F/55-62-67	2822F/57-64-69
10	2933	2521F/45-54-61	2702F/53-60-66	2766F/55-62-68	2831F/57-64-69
8	2934	2529F/45-54-61	2711F/53-60-66	2775F/55-62-68	2841F/58-64-70
6	2935	2537F/45-55-62	2720F/53-60-67	2784F/56-62-68	2851F/58-64-70
4	2936	2545F/46-55-62	2728F/53-61-67	2793F/56-63-68	2860F/58-65-70
2	2937	2552F/46-55-62	2737F/54-61-67	2803F/56-63-69	2870F/59-65-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT **RUNWAY 23** **HSFS**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF** **EL FASHIR**
ELF
777-200 GE90-94B **DATED 01-FEB-2019**

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
0	2937	2560F/46-55-62	2746F/54-61-67	2812F/57-63-69	2880F/59-65-71
-2	2937	2568F/47-56-62	2755F/54-62-67	2821F/57-63-69	2889F/59-65-71
-4	2938	2576F/47-56-63	2765F/55-62-68	2831F/57-64-69	2899F/60-66-71
-6	2938	2584F/47-56-63	2774F/55-62-68	2841F/57-64-70	2909F/60-66-71
-8	2938	2592F/48-56-63	2783F/55-62-68	2850F/58-64-70	2919F/60-66-71
-10	2938	2600F/48-57-63	2792F/56-63-68	2860F/58-65-70	2929F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1998	1891*/29-29-34	1946*/31-31-35	1964*/32-32-36	1981*/33-33-37
		1921**35-38-41	2000**44-47-50	2022**45-49-51	2044**46-50-52
58A	2038	1928*/30-30-35	1984*/32-32-37	2002*/33-33-37	2020*/34-34-38
		1957**36-39-42	2037**45-48-51	2060**47-50-53	2082**48-51-54
56A	2083	1969*/32-32-36	2026*/34-34-38	2044*/34-34-39	2063*/35-35-39
		1994**37-40-43	2076**45-48-51	2101**48-52-54	2123**49-52-55
54A	2129	2010*/33-33-38	2068*/35-35-40	2087*/36-36-40	2106*/36-36-41
		2033**37-41-45	2117**46-49-52	2143**49-52-55	2167**50-54-57
52A	2175	2051*/34-34-39	2111*/36-36-41	2130*/37-37-42	2150*/38-38-42
		2071**38-42-46	2158**46-49-52	2184**49-52-55	2210**51-55-58
50A	2220	2092*/35-35-41	2153*/38-38-42	2173*/38-38-43	2193*/39-39-44
		2110**38-42-47	2197**46-49-53	2225**49-52-55	2252**52-55-58
48	2272	2138*/37-37-42	2201*/39-39-44	2222*/40-40-45	2242*/40-40-45
		2152**39-43-47	2241**47-49-53	2270**49-52-56	2298**52-55-59
46	2325	2186*/38-38-44	2250*/40-40-46	2271*/41-41-46	2292*/42-42-47
		2196**39-43-48	2286**47-50-54	2316**50-52-56	2346**52-55-59
44	2382	2236*/39-40-45	2303*/42-42-47	2324*/43-43-48	2345*/43-43-49
		2241**39-45-50	2333**47-51-55	2364**50-52-56	2394**53-55-59
42	2441	2283*/39-41-47	2356*/43-43-49	2378*/44-44-50	2399*/45-45-50
		2287**39-46-51	2381**47-52-56	2413**50-54-58	2444**53-56-60
40	2499	2329*/39-42-48	2408*/45-45-51	2431*/46-46-51	2453*/46-46-52
		2332**39-46-51	2428**47-52-57	2461**50-55-59	2494**53-56-61
38	2554	2372*/39-43-50	2458*/46-46-52	2481*/47-47-53	2504*/48-48-53
		2375**39-46-52	2473**47-52-57	2507**50-55-60	2541**53-58-62
36	2599	2407*/39-44-51	2498*/47-47-53	2521*/48-48-54	2545*/49-49-55
		2409**39-46-52	2510**48-54-59	2544**50-56-61	2579**53-59-63
34	2642	2440*/39-45-52	2535*/48-48-54	2560*/49-49-55	2584*/50-50-56
		2442**39-47-53	2545**48-54-60	2580**51-57-62	2616**53-60-64
32	2678	2469*/39-46-53	2566*/48-49-55	2593*/50-50-56	2618*/51-51-57
			2576**48-55-61	2611**51-58-63	2647**54-60-65
30	2714	2498*/39-47-54	2597*/48-50-56	2626*/51-51-57	2652*/52-52-58
			2606**48-56-61	2642**51-58-64	2680**54-61-66
28	2756	2530F/39-48-55	2632*/49-51-57	2664*/52-52-58	2691*/53-53-59
			2640**48-56-62	2677**51-58-64	2715**54-61-66
26	2797	2554F/40-48-55	2667*/49-52-58	2701*/52-53-59	2729*/54-54-60
			2674**49-57-63	2712**52-59-65	2750**55-61-67
24	2812	2568F/40-49-56	2681*/49-52-59	2715*/52-53-60	2744*/54-54-60
			2688**49-57-63	2726**52-59-65	2765**55-62-67
22	2813	2575F/40-49-56	2685*/49-52-59	2718*/53-53-60	2746*/54-54-60
			2692**49-57-63	2730**52-60-65	2769**55-62-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2813	2583F/40-49-56	2688*/50-52-59	2721*/53-53-60	2748*/54-54-60
			2696**50-58-64	2734**53-60-66	2773**56-63-68
18	2814	2586*/41-49-56	2691*/50-52-59	2724*/53-53-60	2750*/54-54-60
			2700**50-58-64	2738**53-60-66	2777**56-63-69
16	2815	2589*/41-49-56	2694*/51-52-59	2726*/53-53-60	2752*/54-54-60
			2704**50-59-64	2742**53-61-66	2781**56-64-69
14	2815	2592*/42-49-56	2697*/51-53-59	2727*/53-53-60	2754*/54-54-61
		2593**42-50-57	2708**51-59-65	2746**54-61-67	2785**57-64-69
12	2816	2595*/42-49-57	2700*/52-53-59	2729*/53-53-60	2756*/54-54-61
		2597**42-51-58	2712**51-59-65	2750**54-62-67	2789**57-64-70
10	2816	2598*/42-50-57	2703*/52-53-59	2731*/54-54-60	2757*/54-54-61
		2601**42-51-58	2715**52-59-65	2754**55-62-68	2794**58-65-70
8	2817	2602*/43-50-57	2706*/52-53-59	2733*/54-54-60	2760*/54-54-61
		2605**43-52-58	2720**52-60-66	2759**55-63-68	2798**58-65-70
6	2818	2605*/43-50-57	2709*/53-53-59	2735*/54-54-60	2761*/54-54-61
		2608**43-52-59	2724**52-60-66	2763**56-63-68	2802**59-65-71
4	2818	2608*/44-50-57	2711*/53-53-59	2737*/54-54-60	2763*/54-54-61
		2612**43-53-59	2728**53-61-67	2767**56-64-69	2807**59-66-71
2	2819	2611*/44-50-57	2712*/53-53-60	2739*/54-54-60	2765*/55-55-61
		2616**44-53-60	2732**53-62-67	2771**56-64-69	2811**59-65-71
0	2819	2614*/44-50-57	2714*/53-53-60	2741*/54-54-60	2767*/55-55-61
		2619**44-54-60	2736**54-62-67	2775**57-64-69	2815**60-66-71
-2	2819	2617*/45-50-57	2716*/53-53-60	2742*/54-54-60	2768*/55-55-61
		2623**45-54-60	2740**54-63-68	2779**57-65-70	2819**60-66-71
-4	2820	2620*/45-50-57	2717*/53-53-60	2744*/54-54-60	2770*/55-55-61
		2626**45-54-61	2744**55-63-68	2783**58-65-70	2823**61-66-71
-6	2820	2623*/46-50-57	2719*/53-53-60	2745*/54-54-60	2771*/55-55-61
		2630**46-55-61	2747**55-63-68	2787**58-65-70	2827**61-67-72
-8	2820	2626*/46-50-57	2720*/53-53-60	2747*/54-54-60	2773*/55-55-61
		2633**46-55-62	2751**55-64-69	2791**59-65-70	2831**62-67-72
-10	2820	2628*/47-50-57	2722*/53-53-60	2748*/54-54-60	2774*/55-55-61
		2637**46-56-62	2755**56-64-69	2795**59-65-70	2835**62-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 23 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1998	2053F/30-33-37	2205F/31-33-37	2256F/32-33-37	2307F/32-33-37
		2022**33-37-40	2083**42-46-49	2101**45-49-52	2116**48-53-55
58A	2038	2084F/32-34-38	2234F/33-34-38	2286F/33-34-38	2338F/33-34-38
		2058**34-37-41	2121**43-47-50	2139**46-50-53	2155**49-53-56
56A	2083	2116F/33-36-40	2266F/34-36-40	2318F/34-36-40	2371F/35-36-40
		2097**34-38-42	2160**43-47-50	2178**46-50-53	2195**49-54-56
54A	2129	2146F/34-37-41	2297F/35-37-41	2350F/36-37-41	2404F/36-37-41
		2136**35-38-42	2201**44-48-51	2220**46-51-54	2237**49-54-57
52A	2175	2175F/35-39-43	2329F/36-39-43	2382F/37-39-43	2437F/37-39-43
			2241**44-48-51	2261**47-51-54	2279**50-54-57
50A	2220	2205F/36-39-44	2360F/37-40-44	2414F/38-40-44	2470F/38-40-44
			2281**44-48-52	2302**47-52-55	2321**50-55-58
48	2272	2238F/36-40-45	2395F/39-41-46	2450F/39-41-46	2506F/39-41-46
			2326**44-49-53	2347**47-52-56	2368**50-55-59
46	2325	2272F/36-41-46	2431F/40-43-48	2486F/40-43-48	2543F/40-43-48
			2372**45-49-53	2394**48-52-56	2415**51-56-59
44	2382	2306F/37-42-47	2468F/41-45-50	2524F/41-45-50	2581F/42-45-50
			2420**45-50-54	2443**48-53-57	2465**51-56-60
42	2441	2340F/37-43-49	2504F/42-46-51	2561F/43-46-51	2619F/43-46-51
			2469**45-50-55	2493**48-53-57	2516**51-56-60
40	2499	2374F/38-44-50	2540F/43-48-53	2598F/44-48-53	2658F/44-48-53
			2517**45-50-55	2542**48-53-58	2567**51-57-61
38	2554	2405F/38-45-51	2574F/45-49-55	2633F/45-49-55	2695F/45-49-55
			2563**45-50-56	2589**48-54-59	2615**51-57-62
36	2599	2431F/38-45-51	2601F/45-51-56	2662F/46-51-56	2725F/46-51-56
				2627**48-54-59	2654**51-57-62
34	2642	2456F/39-46-52	2628F/46-51-57	2691F/47-52-57	2755F/47-52-57
				2664**48-54-60	2693**52-57-62
32	2678	2479F/39-46-53	2654F/46-52-58	2717F/47-53-58	2782F/48-53-58
				2696**49-55-60	2725**52-58-63
30	2714	2503F/39-47-54	2680F/46-53-58	2744F/48-54-59	2810F/48-54-59
				2728**49-55-61	2758**52-58-64
28	2756	2529F/39-48-55	2710F/47-53-59	2775F/49-55-60	2841F/49-55-60
				2764**49-55-61	2795**52-59-64
26	2797	2553F/40-48-55	2738F/47-54-60	2803F/49-56-61	2871F/50-56-61
				2800**49-56-62	2830**53-59-65
24	2812	2566F/40-49-56	2753F/47-54-60	2819F/50-56-62	2887F/50-56-62
				2815**50-56-62	2846**53-60-65
22	2813	2574F/40-49-56	2762F/48-54-61	2828F/50-56-62	2896F/50-56-62
				2820**50-57-63	2850**53-60-66

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 23 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR ELF

777-200 GE90-94B DATED 01-FEB-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2813	2581F/40-49-56	2771F/48-55-61	2837F/50-56-62	2906F/50-56-62
				2824**50-57-63	2855**54-60-66
18	2814	2589F/41-49-56	2779F/48-55-61	2846F/50-56-62	2915F/50-56-62
				2829**51-58-63	2859**54-61-66
16	2815	2597F/41-49-57	2788F/48-55-61	2855F/50-56-62	2924F/50-56-62
				2833**51-58-64	2864**55-61-67
14	2815	2604F/41-50-57	2797F/49-55-62	2865F/50-56-62	2934F/50-56-62
				2838**52-58-64	2868**55-62-67
12	2816	2612F/42-50-57	2806F/49-56-62	2874F/50-56-62	2943F/50-56-62
				2842**52-59-65	2873**55-62-68
10	2816	2620F/42-50-57	2815F/49-56-62	2883F/50-56-62	2953F/50-56-62
				2847**52-59-65	2877**56-63-68
8	2817	2628F/42-50-57	2824F/50-56-62	2893F/50-56-62	2963F/50-56-62
			2820**50-56-62	2852**53-60-65	2882**56-63-68
6	2818	2636F/42-51-58	2833F/50-56-62	2903F/50-56-62	2973F/50-56-62
			2825**50-57-63	2856**53-60-66	2887**57-64-69
4	2818	2644F/43-51-58	2843F/50-56-62	2912F/50-56-62	2982F/51-56-62
			2830**50-57-63	2861**54-61-66	2892**57-64-69
2	2819	2653F/43-51-58	2852F/50-56-62	2922F/50-56-62	2992F/51-56-62
			2834**51-58-64	2866**54-61-67	2896**57-65-70
0	2819	2661F/43-51-58	2862F/50-56-62	2931F/50-56-62	3002F/51-56-62
			2839**51-58-64	2870**55-62-67	2901**58-65-70
-2	2819	2670F/43-52-58	2871F/50-56-62	2941F/50-56-62	3011F/51-56-62
			2843**52-59-64	2875**55-62-67	2906**58-65-71
-4	2820	2678F/44-52-59	2881F/50-56-62	2951F/50-56-62	3021F/51-56-62
			2848**52-59-65	2879**55-63-68	2910**59-66-71
-6	2820	2687F/44-52-59	2890F/50-56-62	2961F/50-56-62	3031F/51-56-62
			2852**52-60-65	2884**56-63-68	2915**59-66-71
-8	2820	2695F/44-52-59	2900F/50-56-62	2971F/50-56-62	3040F/51-56-62
			2857**53-60-66	2888**56-64-69	2919**60-67-72
-10	2820	2704F/45-53-59	2910F/50-56-62	2981F/50-56-62	3050F/51-56-62
			2862**53-61-66	2893**57-64-69	2923**60-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 410 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY

RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:

NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46	2222F/42-43-46	2271F/42-43-46
			2132**46-48-51	2152**49-51-53	2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48	2252F/43-45-48	2302F/43-45-48
			2169**47-48-51	2190**50-51-54	2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49	2283F/44-46-49	2334F/45-46-49
			2208**47-49-52	2229**50-52-55	2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51	2315F/45-48-51	2367F/46-48-51
			2249**47-49-53	2270**50-52-55	2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53	2347F/47-49-53	2399F/47-49-53
			2289**48-50-53	2311**51-53-56	2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2379F/48-51-54	2432F/48-51-54
				2353**51-53-57	2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56	2468F/49-52-56
				2400**51-54-57	2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58	2505F/51-54-58
				2447**51-54-58	2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60
					2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2581F/54-57-62
					2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2739F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2702F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2668F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2722F/54-60-67	2786F/56-62-68	2853F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2841F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46	2222F/42-43-46	2271F/42-43-46
			2132**46-48-51	2152**49-51-53	2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48	2252F/43-45-48	2302F/43-45-48
			2169**47-48-51	2190**50-51-54	2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49	2283F/44-46-49	2334F/45-46-49
			2208**47-49-52	2229**50-52-55	2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51	2315F/45-48-51	2367F/46-48-51
			2249**47-49-53	2270**50-52-55	2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53	2346F/47-49-53	2399F/47-49-53
			2289**48-50-53	2311**51-53-56	2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2378F/48-51-54	2432F/48-51-54
				2353**51-53-57	2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56	2468F/49-52-56
				2400**51-54-57	2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58	2505F/51-54-58
				2447**51-54-58	2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60
					2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2580F/54-57-62
					2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2738F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2701F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2667F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2721F/54-60-67	2786F/56-62-68	2852F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2840F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2590F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2917F/50-55-61
				2816**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2649F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-69-73
-4	2844	2743F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2899**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3052F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2589F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2916F/50-55-61
				2815**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2648F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-68-73
-4	2844	2742F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2898**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3051F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	1952F/32-37-42	2101*/40-43-46	2139*/43-44-48	2169*/44-45-49 2174**45-47-50
58A	2209	1980F/33-38-43	2132F/41-44-48	2173*/43-45-49	2209*/45-47-50 2211**46-47-50
56A	2255	2010F/34-39-44	2161F/41-45-49	2208*/44-46-50	2248*/46-48-51
54A	2305	2041F/35-40-45	2191F/42-46-50	2243F/44-47-51	2285*/46-49-53
52	2355	2071F/35-41-46	2221F/42-46-51	2273F/44-48-52	2322*/47-50-54
50	2412	2103F/36-42-47	2255F/43-47-52	2308F/45-49-54	2362F/47-51-55
48	2470	2135F/36-43-48	2288F/43-48-53	2342F/45-50-55	2397F/48-52-56
46	2529	2167F/36-43-50	2322F/43-49-54	2377F/46-51-56	2432F/48-53-58
44	2590	2199F/37-44-51	2357F/44-50-55	2412F/46-52-57	2468F/49-54-59
42	2656	2233F/37-45-52	2392F/44-51-57	2449F/47-53-58	2505F/49-55-60
40	2720	2263F/37-46-53	2426F/45-52-58	2482F/47-54-59	2540F/50-56-61
38	2781	2291F/38-47-54	2455F/45-52-59	2513F/47-54-60	2572F/50-56-62
36	2835	2316F/38-47-55	2483F/45-53-60	2541F/48-55-61	2601F/50-57-63
34	2877	2339F/38-48-56	2507F/46-54-61	2565F/48-56-62	2626F/51-58-64
32	2920	2362F/38-48-56	2532F/46-54-61	2591F/48-56-63	2652F/51-58-65
30	2963	2386F/39-49-57	2558F/46-55-62	2618F/49-57-64	2681F/51-59-66
28	3006	2411F/39-50-58	2584F/47-56-63	2644F/49-58-65	2709F/52-60-66
26	3015	2421F/39-50-58	2595F/47-56-63	2656F/49-58-65	2721F/52-60-67
24	3016	2428F/39-50-59	2603F/47-56-64	2665F/50-58-65	2730F/52-60-67
22	3018	2435F/40-51-59	2611F/47-57-64	2674F/50-59-65	2739F/52-61-67
20	3019	2443F/40-51-59	2619F/48-57-64	2682F/50-59-66	2748F/53-61-67
18	3020	2450F/40-51-59	2627F/48-57-64	2691F/51-59-66	2758F/53-61-68
16	3021	2457F/40-51-59	2635F/48-57-65	2700F/51-59-66	2767F/53-61-68
14	3022	2465F/41-52-60	2644F/49-58-65	2709F/51-60-66	2776F/54-62-68
12	3023	2472F/41-52-60	2652F/49-58-65	2718F/51-60-67	2786F/54-62-68
10	3025	2480F/41-52-60	2661F/49-58-65	2727F/52-60-67	2795F/54-62-69
8	3026	2487F/41-52-60	2670F/49-58-65	2737F/52-61-67	2805F/55-63-69
6	3027	2495F/42-53-61	2679F/50-59-66	2746F/52-61-67	2814F/55-63-69
4	3028	2503F/42-53-61	2688F/50-59-66	2755F/53-61-68	2824F/55-63-69
2	3029	2511F/42-53-61	2697F/50-59-66	2765F/53-61-68	2834F/56-63-70
0	3029	2518F/43-53-61	2706F/51-60-66	2774F/53-62-68	2843F/56-64-70
-2	3030	2526F/43-54-61	2715F/51-60-67	2784F/54-62-68	2853F/56-64-70
-4	3030	2534F/43-54-62	2724F/51-60-67	2793F/54-62-69	2863F/56-64-70
-6	3031	2542F/43-54-62	2734F/52-60-67	2803F/54-62-69	2873F/57-65-70
-8	3031	2550F/44-54-62	2743F/52-61-67	2812F/54-63-69	2883F/57-65-71
-10	3031	2558F/44-55-62	2752F/52-61-68	2822F/55-63-69	2893F/57-65-71

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	1930F/32-36-41	2080F/40-42-46	2121*/43-44-47	2152*/45-45-48 2153**45-45-49
58A	2209	1958F/33-37-42	2108F/41-43-47	2155*/43-45-48	2190*/45-46-49
56A	2255	1987F/34-38-43	2137F/41-44-48	2187F/43-46-49	2228*/46-47-51
54A	2305	2017F/34-39-44	2167F/42-45-49	2218F/44-47-51	2267*/46-48-52
52	2355	2047F/35-40-45	2197F/42-45-50	2248F/44-47-52	2300F/47-49-53
50	2412	2081F/36-41-47	2230F/43-46-51	2282F/45-48-53	2335F/47-50-54
48	2470	2112F/36-42-48	2263F/43-47-52	2316F/45-49-54	2370F/48-51-56
46	2529	2144F/37-43-49	2297F/44-48-54	2351F/46-50-55	2405F/48-52-57
44	2590	2177F/37-43-50	2332F/44-49-55	2386F/46-51-56	2442F/49-53-58
42	2656	2211F/37-44-51	2368F/45-50-56	2422F/47-52-58	2478F/49-54-59
40	2720	2241F/38-45-52	2401F/45-51-57	2456F/47-53-59	2513F/50-55-60
38	2781	2268F/38-46-53	2430F/45-52-58	2486F/48-54-60	2544F/50-55-61
36	2835	2293F/38-46-54	2457F/46-52-59	2515F/48-54-61	2573F/50-56-62
34	2877	2316F/38-47-55	2481F/46-53-60	2539F/48-55-61	2598F/51-57-63
32	2920	2339F/39-48-56	2506F/46-54-61	2564F/49-56-62	2624F/51-58-64
30	2963	2363F/39-48-57	2532F/47-54-61	2591F/49-56-63	2651F/52-58-65
28	3006	2387F/39-49-57	2557F/47-55-62	2617F/49-57-64	2680F/52-59-66
26	3015	2397F/40-49-58	2569F/47-55-63	2629F/50-57-64	2692F/52-59-66
24	3016	2404F/40-49-58	2576F/47-55-63	2637F/50-57-65	2701F/53-59-66
22	3018	2412F/40-50-58	2584F/48-56-63	2645F/50-58-65	2709F/53-60-66
20	3019	2419F/40-50-58	2592F/48-56-63	2654F/51-58-65	2718F/53-60-67
18	3020	2426F/41-50-59	2600F/48-56-64	2662F/51-58-65	2727F/53-60-67
16	3021	2433F/41-50-59	2608F/49-56-64	2671F/51-59-65	2736F/54-61-67
14	3022	2440F/41-51-59	2616F/49-57-64	2680F/51-59-66	2745F/54-61-67
12	3023	2448F/41-51-59	2625F/49-57-64	2688F/52-59-66	2754F/54-61-68
10	3025	2455F/42-51-59	2633F/50-57-64	2697F/52-59-66	2763F/55-61-68
8	3026	2463F/42-51-60	2641F/50-58-65	2706F/52-60-66	2773F/55-62-68
6	3027	2470F/42-52-60	2650F/50-58-65	2715F/53-60-67	2782F/55-62-68
4	3028	2478F/43-52-60	2659F/50-58-65	2725F/53-60-67	2792F/56-62-68
2	3029	2486F/43-52-60	2668F/51-58-65	2734F/53-60-67	2801F/56-62-69
0	3029	2493F/43-53-60	2677F/51-59-66	2743F/54-61-67	2811F/56-63-69
-2	3030	2501F/43-53-61	2686F/51-59-66	2752F/54-61-67	2820F/57-63-69
-4	3030	2509F/44-53-61	2694F/52-59-66	2761F/54-61-68	2830F/57-63-69
-6	3031	2516F/44-53-61	2703F/52-59-66	2770F/55-62-68	2840F/57-64-70
-8	3031	2524F/44-54-61	2712F/52-60-67	2780F/55-62-68	2850F/57-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT **RUNWAY 34** **FEFF**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI**

777-200 GE90-94B DATED 20-DEC-2018

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3031	2532F/45-54-62	2721F/53-60-67	2789F/55-62-68	2859F/58-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2081	2008*/30-33-38	2093*/33-36-40	2117*/34-36-40	2137*/34-36-40
			2112**39-40-44	2138**42-44-47	2163**45-48-51
58A	2123	2042*/31-34-39	2132*/35-37-41	2156*/35-37-41	2179*/35-37-41
			2148**39-41-44	2175**42-44-48	2201**45-48-51
56A	2169	2078*/31-35-40	2172*/36-38-43	2197*/36-38-43	2221*/36-38-43
			2187**40-41-45	2214**43-45-48	2240**45-49-52
54A	2217	2115*/32-36-41	2217*/37-40-44	2239*/37-40-44	2265*/38-40-44
			2227**40-41-46	2255**43-45-49	2282**46-49-53
52	2265	2150*/32-37-42	2265*/40-41-46	2282*/38-41-46	2308*/39-41-46
			2267**40-42-46	2296**43-45-50	2323**46-49-53
50	2320	2185F/33-38-44	2310*/40-42-47	2330*/39-43-48	2357*/40-43-48
				2343**43-46-50	2371**46-50-54
48	2376	2218F/33-39-45	2352*/41-44-49	2378*/41-44-49	2406*/41-44-49
				2389**43-46-51	2418**46-50-54
46	2432	2251F/33-40-46	2395*/41-45-50	2432*/43-46-51	2455*/42-46-51
				2436**44-46-51	2466**47-50-55
44	2492	2286F/34-41-47	2440*/41-46-51	2483*/44-47-53	2507*/44-48-53
					2516**47-51-56
42	2555	2320F/34-42-48	2485*/41-47-53	2529*/44-49-54	2561*/45-49-55
					2568**47-51-56
40	2616	2352F/34-42-49	2524F/42-48-54	2573*/44-50-55	2616*/47-51-57
					2618**47-51-57
38	2672	2380F/35-43-50	2555F/42-49-55	2613*/44-51-57	2660*/47-52-58
36	2722	2406F/35-44-51	2583F/42-49-56	2645F/45-51-58	2698*/47-53-59
34	2761	2429F/35-44-52	2608F/42-50-57	2672F/45-52-58	2729*/48-54-60
32	2801	2453F/35-45-53	2634F/43-51-57	2699F/45-53-59	2762*/48-54-61
30	2843	2479F/36-45-53	2662F/43-51-58	2728F/46-53-60	2795*/48-55-62
28	2886	2504F/36-46-54	2690F/43-52-59	2757F/46-54-61	2826F/48-56-62
26	2895	2515F/36-46-54	2702F/44-52-59	2770F/46-54-61	2839F/49-56-63
24	2896	2522F/36-47-55	2711F/44-53-60	2779F/46-54-61	2847*/49-56-63
22	2897	2530F/37-47-55	2719F/44-53-60	2788F/47-55-61	2854*/49-57-63
20	2898	2537F/37-47-55	2728F/44-53-60	2797F/47-55-62	2860*/50-57-63
18	2899	2545F/37-47-55	2737F/45-53-60	2806F/47-55-62	2867*/50-57-63
16	2900	2553F/37-48-56	2746F/45-54-60	2815F/48-56-62	2873*/50-57-63
14	2901	2560F/38-48-56	2755F/45-54-61	2825F/48-56-62	2880*/51-57-64
12	2902	2568F/38-48-56	2764F/46-54-61	2833*/48-56-63	2887*/51-58-64
10	2904	2576F/38-48-56	2773F/46-54-61	2840*/49-56-63	2893*/51-58-64
8	2905	2584F/38-49-56	2783F/46-55-61	2847*/49-56-63	2900*/52-58-64

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
6	2906	2592F/39-49-57	2792F/46-55-62	2854*/49-57-63	2906*/52-58-64
4	2907	2600F/39-49-57	2802F/47-55-62	2860*/50-57-63	2907*/52-58-64
					2912**53-59-65
2	2908	2608F/39-49-57	2811F/47-55-62	2867*/50-57-63	2910*/51-58-64
					2917**53-59-65
0	2909	2617F/40-50-57	2819*/47-56-62	2873*/50-57-63	2914*/52-58-64
					2922**53-60-66
-2	2909	2625F/40-50-57	2826*/48-56-62	2879*/51-57-64	2918*/52-58-64
					2927**54-60-66
-4	2910	2633F/40-50-58	2832*/48-56-63	2886*/51-57-64	2923*/52-58-64
					2932**54-60-66
-6	2910	2641F/40-50-58	2838*/48-56-63	2892*/52-58-64	2927*/52-58-64
					2937**55-61-67
-8	2910	2650F/41-51-58	2845*/49-56-63	2898*/52-58-64	2931*/52-58-64
					2942**55-61-67
-10	2911	2658F/41-51-58	2851*/49-56-63	2905*/52-58-64	2935*/52-58-64
					2947**56-62-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2081	1988*/30-32-37	2064*/35-35-39	2081*/35-36-40	2098*/35-36-40
			2084**39-39-43	2115**42-43-46	2145**44-46-49
58A	2123	2023*/31-33-38	2104*/36-36-41	2123*/37-37-41	2139*/36-37-41
			2121**39-40-44	2152**42-43-46	2183**45-46-49
56A	2169	2060*/31-35-39	2148*/38-38-42	2167*/38-38-43	2183*/37-38-43
			2159**40-40-44	2191**42-43-47	2222**45-46-50
54A	2217	2098F/32-36-41	2193*/39-39-44	2213*/40-40-44	2229*/38-40-44
			2199**40-41-45	2231**43-43-47	2264**45-46-50
52	2265	2129F/32-36-42	2238*/40-40-45	2259*/41-41-46	2274*/39-41-46
			2239**40-41-46	2272**43-44-48	2304**46-47-51
50	2320	2162F/33-37-43	2284*/40-42-47	2311*/43-43-47	2326*/41-43-48
				2318**43-44-49	2351**46-47-51
48	2376	2195F/33-38-44	2329*/41-43-48	2362*/44-44-49	2378*/42-44-49
				2364**43-45-50	2398**46-48-52
46	2432	2228F/34-39-45	2374*/41-44-49	2411*/44-45-50	2432*/44-46-51
					2446**47-48-53
44	2492	2262F/34-40-46	2421*/41-45-51	2459*/44-47-52	2492*/46-48-53
					2495**47-48-53
42	2555	2296F/34-41-47	2463F/41-46-52	2508*/44-48-53	2546*/47-49-55
40	2616	2328F/35-42-49	2497F/42-47-53	2554*/44-49-55	2594*/47-50-56
38	2672	2356F/35-42-49	2527F/42-48-54	2587F/45-50-56	2637*/47-51-57
36	2722	2382F/35-43-50	2555F/42-49-55	2616F/45-51-57	2676*/47-52-58
34	2761	2405F/35-43-51	2580F/43-49-56	2641F/45-51-58	2707F/48-53-59
32	2801	2429F/36-44-52	2606F/43-50-57	2669F/46-52-58	2735F/48-54-60
30	2843	2454F/36-45-53	2633F/43-50-58	2697F/46-52-59	2764F/48-54-61
28	2886	2479F/36-45-53	2661F/44-51-58	2726F/46-53-60	2793F/49-55-62
26	2895	2490F/37-46-54	2673F/44-51-59	2739F/47-53-60	2806F/49-55-62
24	2896	2497F/37-46-54	2681F/44-52-59	2747F/47-54-60	2815F/49-56-62
22	2897	2505F/37-46-54	2690F/45-52-59	2756F/47-54-61	2825F/50-56-62
20	2898	2512F/37-46-54	2698F/45-52-59	2765F/47-54-61	2834F/50-56-63
18	2899	2519F/38-47-55	2707F/45-52-60	2774F/48-54-61	2843F/50-56-63
16	2900	2527F/38-47-55	2715F/45-53-60	2783F/48-55-61	2851*/50-57-63
14	2901	2534F/38-47-55	2724F/46-53-60	2792F/48-55-62	2856*/51-57-63
12	2902	2542F/38-47-55	2733F/46-53-60	2801F/49-55-62	2862*/51-57-63
10	2904	2550F/39-48-55	2742F/46-53-60	2811F/49-55-62	2868*/52-57-63
8	2905	2558F/39-48-56	2751F/47-54-61	2820F/49-56-62	2873*/52-57-63

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
6	2906	2565F/39-48-56	2760F/47-54-61	2830F/49-56-62	2879*/52-57-64
4	2907	2573F/39-48-56	2769F/47-54-61	2837*/50-56-63	2884*/53-57-64
2	2908	2581F/40-49-56	2778F/47-54-61	2843*/50-56-63	2889*/53-58-64
0	2909	2589F/40-49-57	2788F/48-55-61	2848*/51-56-63	2894*/54-58-64
-2	2909	2597F/40-49-57	2797F/48-55-62	2853*/51-57-63	2900*/54-58-64
-4	2910	2605F/41-49-57	2806F/48-55-62	2858*/51-57-63	2904*/55-58-64
-6	2910	2613F/41-50-57	2816F/49-55-62	2863*/52-57-63	2908*/55-58-64
					2910**55-58-65
-8	2910	2621F/41-50-57	2821*/49-56-62	2869*/52-57-63	2910*/55-58-64
					2915**55-59-65
-10	2911	2629F/41-50-58	2826*/49-56-62	2873*/53-57-63	2911*/55-58-64
					2919**56-60-66

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

TOGW
FOR CHARTER
FLIGHT
DESTINATIONS

777-200ER

(Except BMG,H)

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	1952F/32-37-42	2101*/40-43-46	2139*/43-44-48	2169*/44-45-49 2174**45-47-50
58A	2209	1980F/33-38-43	2132F/41-44-48	2173*/43-45-49	2209*/45-47-50 2211**46-47-50
56A	2255	2010F/34-39-44	2161F/41-45-49	2208*/44-46-50	2248*/46-48-51
54A	2305	2041F/35-40-45	2191F/42-46-50	2243F/44-47-51	2285*/46-49-53
52	2355	2071F/35-41-46	2221F/42-46-51	2273F/44-48-52	2322*/47-50-54
50	2412	2103F/36-42-47	2255F/43-47-52	2308F/45-49-54	2362F/47-51-55
48	2470	2135F/36-43-48	2288F/43-48-53	2342F/45-50-55	2397F/48-52-56
46	2529	2167F/36-43-50	2322F/43-49-54	2377F/46-51-56	2432F/48-53-58
44	2590	2199F/37-44-51	2357F/44-50-55	2412F/46-52-57	2468F/49-54-59
42	2656	2233F/37-45-52	2392F/44-51-57	2449F/47-53-58	2505F/49-55-60
40	2720	2263F/37-46-53	2426F/45-52-58	2482F/47-54-59	2540F/50-56-61
38	2781	2291F/38-47-54	2455F/45-52-59	2513F/47-54-60	2572F/50-56-62
36	2835	2316F/38-47-55	2483F/45-53-60	2541F/48-55-61	2601F/50-57-63
34	2877	2339F/38-48-56	2507F/46-54-61	2565F/48-56-62	2626F/51-58-64
32	2920	2362F/38-48-56	2532F/46-54-61	2591F/48-56-63	2652F/51-58-65
30	2963	2386F/39-49-57	2558F/46-55-62	2618F/49-57-64	2681F/51-59-66
28	3006	2411F/39-50-58	2584F/47-56-63	2644F/49-58-65	2709F/52-60-66
26	3015	2421F/39-50-58	2595F/47-56-63	2656F/49-58-65	2721F/52-60-67
24	3016	2428F/39-50-59	2603F/47-56-64	2665F/50-58-65	2730F/52-60-67
22	3018	2435F/40-51-59	2611F/47-57-64	2674F/50-59-65	2739F/52-61-67
20	3019	2443F/40-51-59	2619F/48-57-64	2682F/50-59-66	2748F/53-61-67
18	3020	2450F/40-51-59	2627F/48-57-64	2691F/51-59-66	2758F/53-61-68
16	3021	2457F/40-51-59	2635F/48-57-65	2700F/51-59-66	2767F/53-61-68
14	3022	2465F/41-52-60	2644F/49-58-65	2709F/51-60-66	2776F/54-62-68
12	3023	2472F/41-52-60	2652F/49-58-65	2718F/51-60-67	2786F/54-62-68
10	3025	2480F/41-52-60	2661F/49-58-65	2727F/52-60-67	2795F/54-62-69
8	3026	2487F/41-52-60	2670F/49-58-65	2737F/52-61-67	2805F/55-63-69
6	3027	2495F/42-53-61	2679F/50-59-66	2746F/52-61-67	2814F/55-63-69
4	3028	2503F/42-53-61	2688F/50-59-66	2755F/53-61-68	2824F/55-63-69
2	3029	2511F/42-53-61	2697F/50-59-66	2765F/53-61-68	2834F/56-63-70
0	3029	2518F/43-53-61	2706F/51-60-66	2774F/53-62-68	2843F/56-64-70
-2	3030	2526F/43-54-61	2715F/51-60-67	2784F/54-62-68	2853F/56-64-70
-4	3030	2534F/43-54-62	2724F/51-60-67	2793F/54-62-69	2863F/56-64-70
-6	3031	2542F/43-54-62	2734F/52-60-67	2803F/54-62-69	2873F/57-65-70
-8	3031	2550F/44-54-62	2743F/52-61-67	2812F/54-63-69	2883F/57-65-71
-10	3031	2558F/44-55-62	2752F/52-61-68	2822F/55-63-69	2893F/57-65-71

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	1930F/32-36-41	2080F/40-42-46	2121*/43-44-47	2152*/45-45-48 2153**45-45-49
58A	2209	1958F/33-37-42	2108F/41-43-47	2155*/43-45-48	2190*/45-46-49
56A	2255	1987F/34-38-43	2137F/41-44-48	2187F/43-46-49	2228*/46-47-51
54A	2305	2017F/34-39-44	2167F/42-45-49	2218F/44-47-51	2267*/46-48-52
52	2355	2047F/35-40-45	2197F/42-45-50	2248F/44-47-52	2300F/47-49-53
50	2412	2081F/36-41-47	2230F/43-46-51	2282F/45-48-53	2335F/47-50-54
48	2470	2112F/36-42-48	2263F/43-47-52	2316F/45-49-54	2370F/48-51-56
46	2529	2144F/37-43-49	2297F/44-48-54	2351F/46-50-55	2405F/48-52-57
44	2590	2177F/37-43-50	2332F/44-49-55	2386F/46-51-56	2442F/49-53-58
42	2656	2211F/37-44-51	2368F/45-50-56	2422F/47-52-58	2478F/49-54-59
40	2720	2241F/38-45-52	2401F/45-51-57	2456F/47-53-59	2513F/50-55-60
38	2781	2268F/38-46-53	2430F/45-52-58	2486F/48-54-60	2544F/50-55-61
36	2835	2293F/38-46-54	2457F/46-52-59	2515F/48-54-61	2573F/50-56-62
34	2877	2316F/38-47-55	2481F/46-53-60	2539F/48-55-61	2598F/51-57-63
32	2920	2339F/39-48-56	2506F/46-54-61	2564F/49-56-62	2624F/51-58-64
30	2963	2363F/39-48-57	2532F/47-54-61	2591F/49-56-63	2651F/52-58-65
28	3006	2387F/39-49-57	2557F/47-55-62	2617F/49-57-64	2680F/52-59-66
26	3015	2397F/40-49-58	2569F/47-55-63	2629F/50-57-64	2692F/52-59-66
24	3016	2404F/40-49-58	2576F/47-55-63	2637F/50-57-65	2701F/53-59-66
22	3018	2412F/40-50-58	2584F/48-56-63	2645F/50-58-65	2709F/53-60-66
20	3019	2419F/40-50-58	2592F/48-56-63	2654F/51-58-65	2718F/53-60-67
18	3020	2426F/41-50-59	2600F/48-56-64	2662F/51-58-65	2727F/53-60-67
16	3021	2433F/41-50-59	2608F/49-56-64	2671F/51-59-65	2736F/54-61-67
14	3022	2440F/41-51-59	2616F/49-57-64	2680F/51-59-66	2745F/54-61-67
12	3023	2448F/41-51-59	2625F/49-57-64	2688F/52-59-66	2754F/54-61-68
10	3025	2455F/42-51-59	2633F/50-57-64	2697F/52-59-66	2763F/55-61-68
8	3026	2463F/42-51-60	2641F/50-58-65	2706F/52-60-66	2773F/55-62-68
6	3027	2470F/42-52-60	2650F/50-58-65	2715F/53-60-67	2782F/55-62-68
4	3028	2478F/43-52-60	2659F/50-58-65	2725F/53-60-67	2792F/56-62-68
2	3029	2486F/43-52-60	2668F/51-58-65	2734F/53-60-67	2801F/56-62-69
0	3029	2493F/43-53-60	2677F/51-59-66	2743F/54-61-67	2811F/56-63-69
-2	3030	2501F/43-53-61	2686F/51-59-66	2752F/54-61-67	2820F/57-63-69
-4	3030	2509F/44-53-61	2694F/52-59-66	2761F/54-61-68	2830F/57-63-69
-6	3031	2516F/44-53-61	2703F/52-59-66	2770F/55-62-68	2840F/57-64-70
-8	3031	2524F/44-54-61	2712F/52-60-67	2780F/55-62-68	2850F/57-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT **RUNWAY 34** **FEFF**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI**

777-200 GE90-94B DATED 20-DEC-2018

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3031	2532F/45-54-62	2721F/53-60-67	2789F/55-62-68	2859F/58-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2081	2008*/30-33-38	2093*/33-36-40	2117*/34-36-40	2137*/34-36-40
			2112**39-40-44	2138**42-44-47	2163**45-48-51
58A	2123	2042*/31-34-39	2132*/35-37-41	2156*/35-37-41	2179*/35-37-41
			2148**39-41-44	2175**42-44-48	2201**45-48-51
56A	2169	2078*/31-35-40	2172*/36-38-43	2197*/36-38-43	2221*/36-38-43
			2187**40-41-45	2214**43-45-48	2240**45-49-52
54A	2217	2115*/32-36-41	2217*/37-40-44	2239*/37-40-44	2265*/38-40-44
			2227**40-41-46	2255**43-45-49	2282**46-49-53
52	2265	2150*/32-37-42	2265*/40-41-46	2282*/38-41-46	2308*/39-41-46
			2267**40-42-46	2296**43-45-50	2323**46-49-53
50	2320	2185F/33-38-44	2310*/40-42-47	2330*/39-43-48	2357*/40-43-48
				2343**43-46-50	2371**46-50-54
48	2376	2218F/33-39-45	2352*/41-44-49	2378*/41-44-49	2406*/41-44-49
				2389**43-46-51	2418**46-50-54
46	2432	2251F/33-40-46	2395*/41-45-50	2432*/43-46-51	2455*/42-46-51
				2436**44-46-51	2466**47-50-55
44	2492	2286F/34-41-47	2440*/41-46-51	2483*/44-47-53	2507*/44-48-53
					2516**47-51-56
42	2555	2320F/34-42-48	2485*/41-47-53	2529*/44-49-54	2561*/45-49-55
					2568**47-51-56
40	2616	2352F/34-42-49	2524F/42-48-54	2573*/44-50-55	2616*/47-51-57
					2618**47-51-57
38	2672	2380F/35-43-50	2555F/42-49-55	2613*/44-51-57	2660*/47-52-58
36	2722	2406F/35-44-51	2583F/42-49-56	2645F/45-51-58	2698*/47-53-59
34	2761	2429F/35-44-52	2608F/42-50-57	2672F/45-52-58	2729*/48-54-60
32	2801	2453F/35-45-53	2634F/43-51-57	2699F/45-53-59	2762*/48-54-61
30	2843	2479F/36-45-53	2662F/43-51-58	2728F/46-53-60	2795*/48-55-62
28	2886	2504F/36-46-54	2690F/43-52-59	2757F/46-54-61	2826F/48-56-62
26	2895	2515F/36-46-54	2702F/44-52-59	2770F/46-54-61	2839F/49-56-63
24	2896	2522F/36-47-55	2711F/44-53-60	2779F/46-54-61	2847*/49-56-63
22	2897	2530F/37-47-55	2719F/44-53-60	2788F/47-55-61	2854*/49-57-63
20	2898	2537F/37-47-55	2728F/44-53-60	2797F/47-55-62	2860*/50-57-63
18	2899	2545F/37-47-55	2737F/45-53-60	2806F/47-55-62	2867*/50-57-63
16	2900	2553F/37-48-56	2746F/45-54-60	2815F/48-56-62	2873*/50-57-63
14	2901	2560F/38-48-56	2755F/45-54-61	2825F/48-56-62	2880*/51-57-64
12	2902	2568F/38-48-56	2764F/46-54-61	2833*/48-56-63	2887*/51-58-64
10	2904	2576F/38-48-56	2773F/46-54-61	2840*/49-56-63	2893*/51-58-64
8	2905	2584F/38-49-56	2783F/46-55-61	2847*/49-56-63	2900*/52-58-64

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
6	2906	2592F/39-49-57	2792F/46-55-62	2854*/49-57-63	2906*/52-58-64
4	2907	2600F/39-49-57	2802F/47-55-62	2860*/50-57-63	2907*/52-58-64
					2912**53-59-65
2	2908	2608F/39-49-57	2811F/47-55-62	2867*/50-57-63	2910*/51-58-64
					2917**53-59-65
0	2909	2617F/40-50-57	2819*/47-56-62	2873*/50-57-63	2914*/52-58-64
					2922**53-60-66
-2	2909	2625F/40-50-57	2826*/48-56-62	2879*/51-57-64	2918*/52-58-64
					2927**54-60-66
-4	2910	2633F/40-50-58	2832*/48-56-63	2886*/51-57-64	2923*/52-58-64
					2932**54-60-66
-6	2910	2641F/40-50-58	2838*/48-56-63	2892*/52-58-64	2927*/52-58-64
					2937**55-61-67
-8	2910	2650F/41-51-58	2845*/49-56-63	2898*/52-58-64	2931*/52-58-64
					2942**55-61-67
-10	2911	2658F/41-51-58	2851*/49-56-63	2905*/52-58-64	2935*/52-58-64
					2947**56-62-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2081	1988*/30-32-37	2064*/35-35-39	2081*/35-36-40	2098*/35-36-40
			2084**39-39-43	2115**42-43-46	2145**44-46-49
58A	2123	2023*/31-33-38	2104*/36-36-41	2123*/37-37-41	2139*/36-37-41
			2121**39-40-44	2152**42-43-46	2183**45-46-49
56A	2169	2060*/31-35-39	2148*/38-38-42	2167*/38-38-43	2183*/37-38-43
			2159**40-40-44	2191**42-43-47	2222**45-46-50
54A	2217	2098F/32-36-41	2193*/39-39-44	2213*/40-40-44	2229*/38-40-44
			2199**40-41-45	2231**43-43-47	2264**45-46-50
52	2265	2129F/32-36-42	2238*/40-40-45	2259*/41-41-46	2274*/39-41-46
			2239**40-41-46	2272**43-44-48	2304**46-47-51
50	2320	2162F/33-37-43	2284*/40-42-47	2311*/43-43-47	2326*/41-43-48
				2318**43-44-49	2351**46-47-51
48	2376	2195F/33-38-44	2329*/41-43-48	2362*/44-44-49	2378*/42-44-49
				2364**43-45-50	2398**46-48-52
46	2432	2228F/34-39-45	2374*/41-44-49	2411*/44-45-50	2432*/44-46-51
					2446**47-48-53
44	2492	2262F/34-40-46	2421*/41-45-51	2459*/44-47-52	2492*/46-48-53
					2495**47-48-53
42	2555	2296F/34-41-47	2463F/41-46-52	2508*/44-48-53	2546*/47-49-55
40	2616	2328F/35-42-49	2497F/42-47-53	2554*/44-49-55	2594*/47-50-56
38	2672	2356F/35-42-49	2527F/42-48-54	2587F/45-50-56	2637*/47-51-57
36	2722	2382F/35-43-50	2555F/42-49-55	2616F/45-51-57	2676*/47-52-58
34	2761	2405F/35-43-51	2580F/43-49-56	2641F/45-51-58	2707F/48-53-59
32	2801	2429F/36-44-52	2606F/43-50-57	2669F/46-52-58	2735F/48-54-60
30	2843	2454F/36-45-53	2633F/43-50-58	2697F/46-52-59	2764F/48-54-61
28	2886	2479F/36-45-53	2661F/44-51-58	2726F/46-53-60	2793F/49-55-62
26	2895	2490F/37-46-54	2673F/44-51-59	2739F/47-53-60	2806F/49-55-62
24	2896	2497F/37-46-54	2681F/44-52-59	2747F/47-54-60	2815F/49-56-62
22	2897	2505F/37-46-54	2690F/45-52-59	2756F/47-54-61	2825F/50-56-62
20	2898	2512F/37-46-54	2698F/45-52-59	2765F/47-54-61	2834F/50-56-63
18	2899	2519F/38-47-55	2707F/45-52-60	2774F/48-54-61	2843F/50-56-63
16	2900	2527F/38-47-55	2715F/45-53-60	2783F/48-55-61	2851*/50-57-63
14	2901	2534F/38-47-55	2724F/46-53-60	2792F/48-55-62	2856*/51-57-63
12	2902	2542F/38-47-55	2733F/46-53-60	2801F/49-55-62	2862*/51-57-63
10	2904	2550F/39-48-55	2742F/46-53-60	2811F/49-55-62	2868*/52-57-63
8	2905	2558F/39-48-56	2751F/47-54-61	2820F/49-56-62	2873*/52-57-63

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-200 GE90-94B DATED 20-DEC-2018

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
6	2906	2565F/39-48-56	2760F/47-54-61	2830F/49-56-62	2879*/52-57-64
4	2907	2573F/39-48-56	2769F/47-54-61	2837*/50-56-63	2884*/53-57-64
2	2908	2581F/40-49-56	2778F/47-54-61	2843*/50-56-63	2889*/53-58-64
0	2909	2589F/40-49-57	2788F/48-55-61	2848*/51-56-63	2894*/54-58-64
-2	2909	2597F/40-49-57	2797F/48-55-62	2853*/51-57-63	2900*/54-58-64
-4	2910	2605F/41-49-57	2806F/48-55-62	2858*/51-57-63	2904*/55-58-64
-6	2910	2613F/41-50-57	2816F/49-55-62	2863*/52-57-63	2908*/55-58-64
					2910**55-58-65
-8	2910	2621F/41-50-57	2821*/49-56-62	2869*/52-57-63	2910*/55-58-64
					2915**55-59-65
-10	2911	2629F/41-50-58	2826*/49-56-62	2873*/53-57-63	2911*/55-58-64
					2919**56-60-66

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2368*/45-48-52	2433*/46-48-52	2454*/46-48-52	2474*/46-48-52
		2309**48-55-58	2362**57-64-67	2377**60-67-69	2388**63-70-72
58A	2302	2410*/46-50-53	2478*/47-50-53	2499*/47-50-53	2520*/48-50-53
		2350**48-56-59	2405**57-65-67	2420**60-68-70	2433**64-71-73
56A	2350	2446F/47-51-55	2523*/48-51-55	2545*/48-51-55	2567*/49-51-55
		2391**48-56-60	2448**58-65-68	2464**61-68-71	2479**64-71-74
54	2403	2480F/48-53-56	2574*/49-53-56	2597*/50-53-56	2619*/50-53-56
		2436**48-57-60	2496**58-66-69	2514**61-69-72	2529**64-72-74
52	2462	2517F/49-54-58	2630*/51-54-58	2654*/51-54-58	2678*/51-54-58
		2486**48-57-61	2550**58-66-69	2568**61-69-72	2584**65-72-75
50	2522	2554F/49-56-60	2687*/52-56-60	2713*/52-56-60	2738*/53-56-60
		2536**48-58-62	2602**58-67-70	2621**61-70-73	2639**65-73-76
48	2582	2592F/48-58-62	2746*/53-58-62	2772*/54-58-62	2798*/54-58-62
		2586**48-58-62	2655**58-67-71	2677**62-70-74	2696**65-73-77
46	2642	2629F/49-59-63	2803*/55-59-64	2830*/55-59-64	2857*/55-59-64
			2709**58-68-71	2732**62-71-74	2752**65-74-77
44	2706	2669F/49-60-65	2851F/56-61-66	2890*/56-61-66	2918*/57-61-66
			2765**58-68-72	2788**62-71-75	2810**65-74-78
42	2777	2709F/49-61-66	2894F/57-63-67	2955*/57-63-67	2985*/58-63-67
			2825**58-69-73	2850**62-72-76	2873**65-75-79
40	2848	2748F/49-62-67	2936F/58-65-69	3001F/59-65-69	3047*/59-65-69
			2885**58-69-73	2911**61-72-76	2935**65-75-79
38	2909	2782F/49-62-68	2973F/58-66-71	3037F/59-66-71	3100*/60-66-71
			2936**58-69-74	2963**61-72-77	2989**65-75-80
36	2962	2812F/49-63-69	3004F/58-67-72	3068F/60-67-72	3134F/61-67-72
			2981**58-69-74	3009**61-73-77	3036**65-76-80
34	3011	2841F/49-64-70	3034F/58-69-74	3099F/61-69-74	3165F/62-69-74
			3021**58-70-75	3051**61-73-78	3078**65-76-81
32	3053	2869F/50-64-70	3063F/58-70-75	3128F/62-70-75	3175F/63-70-75
			3058**58-70-75	3087**61-73-78	3116**65-77-81
30	3096	2897F/50-65-71	3091F/58-71-76	3157F/62-71-76	3175F/63-71-76
				3123**61-74-79	3153**65-77-82
28	3097	2906F/50-65-71	3100F/58-71-76	3166F/63-71-76	3175F/63-71-76
			3099**58-71-76	3129**62-74-79	3158**65-77-82
26	3099	2915F/50-65-72	3109F/59-71-76	3175F/63-71-76	3175F/63-71-76
			3104**59-71-77	3134**62-75-80	3163**66-78-83
24	3100	2924F/51-66-72	3119F/59-71-76	3175F/63-71-76	3175F/64-71-76
			3109**59-72-77	3139**63-75-80	3168**66-78-83
22	3101	2933F/51-66-72	3128F/60-71-76	3175F/63-71-76	3175F/64-71-76
			3114**59-72-78	3144**63-76-81	3173**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	2942F/51-66-72	3138F/60-71-76 3119**60-73-78	3175F/63-71-76 3149**64-76-81	3175F/64-71-76 3175**67-79-84
18	3104	2951F/51-66-72	3148F/61-71-76 3124**60-73-78	3175F/63-71-76 3154**64-76-81	3175F/64-71-76 3175**68-79-84
16	3105	2961F/52-67-73	3157F/61-71-77 3129**61-74-79	3175F/63-71-77 3159**64-77-82	3175F/64-71-77 3175**68-79-83
14	3107	2970F/52-67-73	3167F/62-71-77 3134**61-74-79	3175F/63-71-77 3165**65-77-82	3175F/64-71-77 3175**69-79-83
12	3109	2980F/52-67-73	3175F/62-71-77 3140**62-75-80	3175F/63-71-77 3170**65-78-83	3175F/64-71-77 3175**70-78-83
10	3110	2989F/53-68-73	3175F/63-71-77 3145**62-75-80	3175F/63-71-77 3175**66-78-83	3175F/64-71-77 3175**70-78-83
8	3111	2999F/53-68-74	3175F/63-71-77 3151**62-75-81	3175F/64-71-77 3175**66-78-83	3175F/64-71-77 3175**70-78-83
6	3113	3008F/53-68-74	3175F/63-71-77 3156**63-76-81	3175F/64-71-77 3175**67-78-83	3175F/64-71-77 3175**70-78-83
4	3113	3017F/54-68-74	3175F/63-71-77 3161**63-76-81	3175F/64-71-77 3175**67-78-83	3175F/64-71-77 3175**70-78-83
2	3114	3026F/54-69-74	3175F/63-71-77 3166**64-77-82	3175F/64-71-77 3175**68-78-83	3175F/65-71-77 3175**70-78-83
0	3115	3036F/54-69-75	3175F/63-71-77 3171**64-77-82	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-2	3115	3045F/54-69-75	3175F/63-71-77 3175**65-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-4	3116	3054F/55-70-75	3175F/63-71-77 3175**65-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-6	3116	3064F/55-70-75	3175F/63-71-77 3175**66-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-8	3117	3073F/55-70-76	3175F/63-71-77 3175**67-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-10	3117	3083F/56-70-76	3175F/63-71-77 3175**67-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2218*/47-47-50	2267*/46-48-52	2284*/46-48-52	2301*/46-48-52
		2264**55-58-61	2342**63-67-69	2364**65-69-71	2387**68-72-74
58A	2302	2261*/48-48-52	2311*/47-50-53	2329*/47-50-53	2346*/48-50-53
		2303**55-58-61	2385**64-67-69	2409**66-69-72	2432**68-71-74
56A	2350	2307*/49-49-53	2357*/48-51-55	2375*/48-51-55	2393*/49-51-55
		2344**56-58-62	2429**64-67-70	2455**67-70-73	2479**69-72-75
54	2403	2358*/51-51-55	2408*/49-53-56	2426*/50-53-56	2445*/50-53-56
		2389**56-60-63	2477**64-67-70	2504**67-70-73	2530**70-73-76
52	2462	2413*/52-53-57	2464*/51-54-58	2483*/51-54-58	2502*/51-54-58
		2439**56-61-65	2529**64-67-70	2559**67-70-73	2586**70-73-76
50	2522	2469*/54-54-59	2522*/53-56-60	2539*/52-56-60	2559*/53-56-60
		2488**56-62-66	2581**64-67-71	2611**67-70-73	2641**70-73-76
48	2582	2526*/56-56-60	2582*/55-58-62	2597*/54-58-62	2617*/54-58-62
		2538**56-62-66	2634**65-68-72	2666**67-70-74	2698**70-74-77
46	2642	2579*/56-57-62	2642*/58-59-64	2654*/55-59-64	2675*/55-59-64
		2588**56-63-67	2687**65-70-73	2720**68-71-75	2752**71-74-77
44	2706	2633*/56-59-64	2706*/60-61-66	2716*/56-61-66	2737*/57-61-66
		2641**55-64-69	2742**65-71-74	2776**68-72-76	2810**71-74-78
42	2777	2692*/55-60-65	2776*/63-63-67	2782*/57-63-67	2804*/58-63-67
		2698**55-64-69	2801**65-71-75	2836**68-73-77	2871**71-75-79
40	2848	2750*/55-62-67	2843*/64-64-69	2848*/59-65-69	2871*/59-65-69
		2755**55-65-70	2861**64-72-76	2897**67-74-78	2933**71-76-80
38	2909	2799*/55-63-68	2897*/65-66-71	2909*/61-66-71	2928*/60-66-71
		2802**55-65-70	2913**64-73-77	2949**67-75-79	2986**70-77-81
36	2962	2842*/54-64-69	2943*/64-67-72	2962*/63-67-72	2978*/61-67-72
		2843**54-65-70	2959**64-73-78	2996**67-76-80	3033**70-79-83
34	3011	2881B/54-65-71	2986*/64-68-73	3011*/65-69-74	3023*/62-69-74
			3000**64-74-79	3038**67-76-81	3075**70-79-84
32	3053	2908B/54-65-71	3023*/64-69-74	3053*/67-70-75	3063*/63-70-75
			3036**64-74-79	3075**67-77-82	3113**71-80-84
30	3096	2929B/53-66-72	3060*/64-70-75	3094*/68-71-76	3103*/63-71-76
			3072**64-75-80	3111**67-77-82	3150**71-80-85
28	3097	2939B/54-66-72	3064*/65-70-75	3097*/68-71-76	3106*/63-71-76
			3077**65-75-80	3116**68-78-83	3156**71-81-85
26	3099	2948B/54-66-72	3068*/65-70-76	3099*/68-71-76	3109*/63-71-76
			3082**65-75-81	3122**68-78-83	3160**72-81-86
24	3100	2957B/54-67-73	3072*/66-70-76	3100*/67-71-76	3112*/64-71-76
			3086**65-76-81	3126**69-79-84	3165**72-82-86
22	3101	2965B/55-67-73	3076*/66-70-76	3101*/67-71-76	3114*/64-71-76
			3091**66-76-81	3131**69-79-84	3170**73-82-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	2970B/55-67-73	3080*/67-70-76	3103*/67-71-76	3117*/64-71-76
			3096**66-77-82	3136**70-80-84	3175**73-82-86
18	3104	2974B/56-67-73	3084*/67-70-76	3104*/66-71-76	3120*/64-71-76
		2976**55-68-74	3101**67-77-82	3141**70-80-85	3175**74-79-84
16	3105	2978B/56-67-73	3088*/68-71-76	3105*/66-71-77	3123*/64-71-77
		2981**56-68-74	3107**67-78-83	3146**71-81-85	3175**73-79-83
14	3107	2983B/57-67-73	3092*/68-71-76	3107*/66-71-77	3126*/64-71-77
		2986**56-69-75	3112**68-78-83	3151**71-81-86	3175**72-79-83
12	3109	2987B/57-67-73	3096*/69-71-76	3109*/65-71-77	3129*/64-71-77
		2992**57-69-75	3117**68-79-84	3156**72-82-86	3175**72-78-83
10	3110	2992B/58-68-73	3100*/69-71-76	3110*/65-71-77	3132*/64-71-77
		2997**57-70-75	3122**69-79-84	3161**72-82-87	3175**71-78-83
8	3111	2996B/58-68-74	3104*/70-71-76	3111*/64-71-77	3135*/64-71-77
		3002**58-70-76	3127**69-80-85	3166**73-83-87	3175**70-78-83
6	3113	3000B/59-68-74	3107*/70-71-77	3113*/64-71-77	3137*/64-71-77
		3007**58-71-76	3132**70-80-85	3171**73-83-88	3175**70-78-83
4	3113	3004B/59-68-74	3110*/71-71-77	3114*/64-71-77	3140*/64-71-77
		3012**59-71-77	3136**70-81-86	3175**74-81-86	3175**70-78-83
2	3114	3008B/60-68-74	3113*/71-71-77	3116*/64-71-77	3142*/65-71-77
		3017**59-72-77	3141**71-81-86	3175**74-79-84	3175**70-78-83
0	3115	3012B/60-68-74	3115*/71-71-77	3118*/64-71-77	3144*/65-71-77
		3022**60-72-78	3145**71-82-87	3175**75-78-83	3175**70-78-83
-2	3115	3015B/61-68-74	3115*/71-71-77	3120*/64-71-77	3146*/65-71-77
		3026**60-73-78	3150**72-82-87	3175**74-78-83	3175**70-78-83
-4	3116	3019B/61-68-74	3116*/70-71-77	3123*/64-71-77	3148*/65-71-77
		3031**61-73-79	3154**72-83-88	3175**74-78-83	3175**70-78-83
-6	3116	3023B/62-69-74	3116*/70-71-77	3124*/64-71-77	3150*/65-71-77
		3036**62-74-79	3159**73-83-88	3175**73-78-83	3175**70-78-83
-8	3117	3026B/63-69-74	3117*/69-71-77	3126*/64-71-77	3152*/65-71-77
		3041**62-75-80	3164**73-84-88	3175**73-78-83	3175**70-78-83
-10	3117	3030B/63-69-75	3117*/69-71-77	3128*/64-71-77	3154*/65-71-77
		3045**63-75-80	3168**74-84-89	3175**72-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2376*/45-48-52	2441*/46-48-52	2461*/46-48-52	2480*/46-48-52
		2342**53-61-63	2387**62-70-72	2397**66-72-75	2397**67-72-75
58A	2302	2419*/46-50-53	2486*/47-50-53	2506*/47-50-53	2526*/48-50-53
		2384**53-61-64	2431**62-70-72	2443**66-73-75	2446**69-74-76
56A	2350	2463*/47-51-55	2531*/48-51-55	2553*/48-51-55	2574*/49-51-55
		2426**53-62-65	2476**63-71-73	2488**66-74-76	2496**69-76-78
54	2403	2512*/48-53-56	2583*/49-53-56	2605*/50-53-56	2627*/50-53-56
		2473**53-62-65	2525**63-71-74	2539**66-74-77	2550**69-77-80
52	2462	2565*/49-54-58	2639*/51-54-58	2663*/51-54-58	2686*/51-54-58
		2524**53-63-66	2580**63-72-74	2595**66-75-77	2607**70-78-80
50	2522	2617*/50-56-60	2697*/52-56-60	2722*/52-56-60	2746*/53-56-60
		2576**53-63-67	2635**63-72-75	2650**66-75-78	2665**70-78-81
48	2582	2671*/52-58-62	2756*/53-58-62	2782*/54-58-62	2807*/54-58-62
		2627**53-63-67	2691**63-72-76	2709**66-76-79	2725**70-79-82
46	2642	2725*/53-59-64	2813*/55-59-64	2840*/55-59-64	2867*/55-59-64
		2679**53-64-68	2746**63-73-76	2766**66-76-79	2783**70-79-82
44	2706	2772F/54-61-66	2872*/56-61-66	2901*/56-61-66	2928*/57-61-66
		2734**53-64-69	2804**63-73-77	2824**66-77-80	2842**70-80-83
42	2777	2814F/53-63-67	2935*/57-63-67	2966*/57-63-67	2995*/58-63-67
		2793**53-65-69	2866**63-74-78	2887**66-77-81	2907**70-80-84
40	2848	2855F/52-65-69	2997*/58-65-69	3028*/59-65-69	3058*/59-65-69
		2851**52-65-70	2928**63-74-78	2951**66-77-81	2972**70-80-84
38	2909	2890F/52-66-71	3048*/59-66-71	3080*/59-66-71	3112*/60-66-71
			2981**62-74-79	3005**66-78-82	3028**69-81-85
36	2962	2922F/52-66-71	3093*/60-67-72	3127*/60-67-72	3159*/61-67-72
			3027**62-75-79	3053**66-78-82	3078**69-81-85
34	3011	2949B/52-67-72	3135*/60-69-74	3169*/61-69-74	3175F/62-69-74
			3069**62-75-80	3097**66-78-83	3122**69-81-86
32	3053	2972B/52-67-73	3171F/61-70-75	3175F/62-70-75	3175F/63-70-75
			3106**62-75-80	3134**66-79-83	3160**70-82-86
30	3096	2994B/51-68-73	3175F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3143**62-76-81	3171**66-79-84	3175**70-79-84
28	3097	3003B/52-68-74	3175F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3148**63-76-81	3175**67-79-84	3175**70-79-84
26	3099	3012B/52-68-74	3175F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3153**63-77-82	3175**67-79-84	3175**70-79-84
24	3100	3021B/52-69-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3158**64-77-82	3175**68-79-84	3175**70-79-84
22	3101	3030B/53-69-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3163**64-78-83	3175**68-79-84	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	3040B/53-69-75	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3168**65-78-83	3175**69-79-84	3175**70-79-84
18	3104	3049B/53-69-75	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3173**65-79-83	3175**69-79-84	3175**70-79-84
16	3105	3058B/54-70-75	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3175**66-79-83	3175**69-79-83	3175**70-79-83
14	3107	3068B/54-70-76	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3175**66-79-83	3175**69-79-83	3175**70-79-83
12	3109	3078B/54-70-76	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83
10	3110	3087B/55-71-76	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83
8	3111	3097B/55-71-76	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
6	3113	3107B/55-71-77	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
4	3113	3113B/56-71-77	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
		3115**56-72-77	3175**68-78-83	3175**69-78-83	3175**70-78-83
2	3114	3114B/56-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3120**56-72-77	3175**68-78-83	3175**69-78-83	3175**70-78-83
0	3115	3115B/57-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3125**57-73-78	3175**68-78-83	3175**69-78-83	3175**70-78-83
-2	3115	3115B/58-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3130**57-73-78	3175**68-78-83	3175**69-78-83	3175**70-78-83
-4	3116	3116B/58-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3135**58-73-79	3175**68-78-83	3175**69-78-83	3175**70-78-83
-6	3116	3116B/59-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3141**58-74-79	3175**68-78-83	3175**69-78-83	3175**70-78-83
-8	3117	3117B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3146**59-75-80	3175**68-78-83	3175**69-78-83	3175**70-78-83
-10	3117	3117B/61-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3151**59-75-80	3175**68-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2256	2279*/45-48-52	2330*/46-48-52	2346*/46-48-52	2363*/46-48-52
		2304**48-56-59	2362**57-64-67	2377**60-67-69	2388**63-70-72
58A	2302	2324*/46-50-53	2375*/47-50-53	2392*/47-50-53	2409*/48-50-53
		2344**48-56-59	2405**57-65-67	2420**60-68-70	2433**64-71-73
56A	2350	2370*/47-51-55	2422*/48-51-55	2439*/48-51-55	2456*/49-51-55
		2385**48-57-60	2448**58-65-68	2464**61-68-71	2479**64-71-74
54	2403	2420*/48-53-56	2475*/49-53-56	2492*/50-53-56	2510*/50-53-56
		2430**49-57-61	2496**58-66-69	2514**61-69-72	2529**64-72-74
52	2462	2475*/49-54-58	2532*/51-54-58	2550*/51-54-58	2568*/51-54-58
		2480**49-58-61	2550**58-66-69	2568**61-69-72	2584**65-72-75
50	2522	2526*/49-56-60	2590*/52-56-60	2608*/52-56-60	2627*/53-56-60
		2530**49-58-62	2602**58-67-70	2621**61-70-73	2639**65-73-76
48	2582	2578*/49-58-62	2649*/53-58-62	2668*/54-58-62	2688*/54-58-62
		2580**49-58-63	2655**58-67-71	2677**62-70-74	2696**65-73-77
46	2642	2629F/49-59-63	2708*/55-59-64	2728*/55-59-64	2748*/55-59-64
			2709**58-68-71	2732**62-71-74	2752**65-74-77
44	2706	2669F/49-60-65	2769*/56-61-66	2791*/56-61-66	2811*/57-61-66
			2765**58-68-72	2788**62-71-75	2810**65-74-78
42	2777	2709F/49-61-66	2837*/57-63-67	2859*/57-63-67	2880*/58-63-67
			2825**58-69-73	2850**62-72-76	2873**65-75-79
40	2848	2748F/49-62-67	2904*/58-65-69	2926*/59-65-69	2949*/59-65-69
			2885**58-69-73	2911**61-72-76	2935**65-75-79
38	2909	2782F/49-62-68	2959*/58-66-71	2984*/59-66-71	3007*/60-66-71
			2936**58-69-74	2963**61-72-77	2989**65-75-80
36	2962	2812F/49-63-69	3004F/58-67-72	3034*/60-67-72	3058*/61-67-72
			2981**58-69-74	3009**61-73-77	3036**65-76-80
34	3011	2841F/49-64-70	3034F/58-69-74	3080*/61-69-74	3104*/62-69-74
			3021**58-70-75	3051**61-73-78	3078**65-76-81
32	3053	2869F/50-64-70	3063F/58-70-75	3121*/62-70-75	3145*/63-70-75
			3058**58-70-75	3087**61-73-78	3116**65-77-81
30	3096	2897F/50-65-71	3091F/58-71-76	3157F/62-71-76	3175F/63-71-76
				3123**61-74-79	3153**65-77-82
28	3097	2906F/50-65-71	3100F/58-71-76	3164*/63-71-76	3175F/63-71-76
			3099**58-71-76	3129**62-74-79	3158**65-77-82
26	3099	2915F/50-65-72	3109F/59-71-76	3167*/63-71-76	3175F/63-71-76
			3104**59-71-77	3134**62-75-80	3163**66-78-83
24	3100	2924F/51-66-72	3119F/59-71-76	3170*/63-71-76	3175F/64-71-76
			3109**59-72-77	3139**63-75-80	3168**66-78-83
22	3101	2933F/51-66-72	3128F/60-71-76	3173*/63-71-76	3175F/64-71-76
			3114**59-72-78	3144**63-76-81	3173**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3103	2942F/51-66-72	3138F/60-71-76	3175F/63-71-76	3175F/64-71-76
			3119**60-73-78	3149**64-76-81	3175**67-79-84
18	3104	2951F/51-66-72	3148F/61-71-76	3175F/63-71-76	3175F/64-71-76
			3124**60-73-78	3154**64-76-81	3175**68-79-84
16	3105	2961F/52-67-73	3153*/61-71-77	3175F/63-71-77	3175F/64-71-77
			3129**61-74-79	3159**64-77-82	3175**68-79-83
14	3107	2970F/52-67-73	3158*/62-71-77	3175F/63-71-77	3175F/64-71-77
			3134**61-74-79	3165**65-77-82	3175**69-79-83
12	3109	2980F/52-67-73	3163*/62-71-77	3175F/63-71-77	3175F/64-71-77
			3140**62-75-80	3170**65-78-83	3175**70-78-83
10	3110	2989F/53-68-73	3167*/63-71-77	3175F/63-71-77	3175F/64-71-77
			3145**62-75-80	3175**66-78-83	3175**70-78-83
8	3111	2999F/53-68-74	3170*/63-71-77	3175F/64-71-77	3175F/64-71-77
			3151**62-75-81	3175**66-78-83	3175**70-78-83
6	3113	3008F/53-68-74	3173*/63-71-77	3175F/64-71-77	3175F/64-71-77
			3156**63-76-81	3175**67-78-83	3175**70-78-83
4	3113	3017F/54-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3161**63-76-81	3175**67-78-83	3175**70-78-83
2	3114	3026F/54-69-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3166**64-77-82	3175**68-78-83	3175**70-78-83
0	3115	3036F/54-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3171**64-77-82	3175**69-78-83	3175**70-78-83
-2	3115	3045F/54-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**65-78-83	3175**69-78-83	3175**70-78-83
-4	3116	3054F/55-70-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**65-78-83	3175**69-78-83	3175**70-78-83
-6	3116	3064F/55-70-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**66-78-83	3175**69-78-83	3175**70-78-83
-8	3117	3073F/55-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83
-10	3117	3083F/56-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**67-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2324*/35-38-43	2374*/36-38-43	2389*/37-38-43	2391*/37-38-43
		2287**48-56-59	2298**53-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2368*/36-40-44	2420*/37-40-44	2435*/38-40-44	2440*/38-40-44
		2328**48-57-60	2345**54-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2414*/37-41-46	2468*/38-41-46	2484*/39-41-46	2493*/39-41-46
		2370**48-57-60	2393**56-62-65	2393**56-62-65	2393**56-62-65
54	2311	2464*/39-43-47	2520*/40-43-47	2537*/40-43-47	2550*/40-43-47
		2417**48-58-61	2448**57-63-66	2448**57-63-66	2448**58-63-66
52	2369	2520*/40-44-49	2579*/41-44-49	2596*/41-44-49	2612*/41-44-49
		2468**48-58-62	2509**59-65-68	2509**59-65-68	2509**59-65-68
50	2426	2575*/41-46-51	2636*/42-46-51	2655*/42-46-51	2673*/43-46-51
		2518**48-58-62	2570**58-67-70	2570**60-67-70	2570**61-67-70
48	2485	2631*/42-47-53	2697*/43-47-53	2717*/44-47-53	2736*/44-47-53
		2570**48-59-63	2628**58-68-72	2632**62-69-72	2632**62-69-72
46	2543	2687*/43-49-54	2756*/44-49-54	2777*/45-49-54	2797*/45-49-54
		2620**48-59-64	2683**58-68-72	2696**62-71-74	2696**64-71-74
44	2604	2746*/44-51-56	2819*/46-51-56	2840*/46-51-56	2861*/46-51-56
		2674**48-60-64	2740**58-69-73	2760**62-72-76	2762**65-72-76
42	2672	2808*/45-52-58	2886*/47-52-58	2909*/47-52-58	2931*/48-52-58
		2733**48-60-65	2803**58-69-73	2823**62-72-76	2836**65-74-78
40	2740	2861F/46-54-60	2953*/48-54-60	2977*/49-54-60	3000*/49-54-60
		2791**48-60-65	2865**58-69-74	2887**61-73-77	2907**65-76-80
38	2797	2896F/47-55-61	3008*/49-55-61	3032*/50-55-61	3056*/50-55-61
		2840**47-60-66	2918**58-70-74	2941**61-73-77	2963**65-76-80
36	2846	2927F/48-57-63	3054*/50-57-63	3080*/50-57-63	3105*/51-57-63
		2881**47-60-66	2964**58-70-75	2989**61-73-78	3012**65-76-81
34	2891	2957F/48-58-64	3096*/51-58-64	3124*/51-58-64	3150*/52-58-64
		2920**47-61-67	3006**58-70-75	3031**61-73-78	3056**65-77-81
32	2932	2986F/48-59-65	3134*/51-59-65	3163*/52-59-65	3175F/52-59-65
		2956**47-61-67	3042**58-71-76	3069**61-74-79	3094**65-77-82
30	2972	3013F/48-60-66	3172*/52-60-66	3175F/52-60-66	3175F/53-60-66
		2991**47-61-68	3078**58-71-76	3106**61-74-79	3131**65-78-82
28	2974	3022F/48-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2996**48-62-68	3083**58-72-77	3111**62-75-80	3136**66-78-83
26	2975	3031F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3001**48-62-68	3088**59-72-77	3115**62-75-80	3141**66-78-83
24	2976	3040F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3006**48-63-69	3093**59-72-78	3120**63-76-81	3145**66-79-84
22	2978	3049F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3011**49-63-69	3097**60-73-78	3124**63-76-81	3150**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	3058F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3015**49-64-69	3102**60-73-78	3129**64-77-81	3155**67-80-85
18	2980	3067F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3020**49-64-70	3107**60-74-79	3134**64-77-82	3159**68-80-85
16	2981	3076F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3025**50-64-70	3112**61-74-79	3138**65-77-82	3163**68-81-86
14	2983	3086F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3030**50-65-71	3117**61-75-80	3143**65-78-83	3168**69-81-86
12	2985	3095F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3036**51-65-71	3122**62-75-80	3148**65-78-83	3173**69-82-86
10	2986	3105F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3041**51-66-71	3127**62-76-81	3153**66-79-84	3175**70-82-87
8	2987	3114F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3046**51-66-72	3132**63-76-81	3158**66-79-84	3175**70-82-86
6	2988	3124F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3051**52-67-72	3136**63-77-81	3163**67-80-85	3175**71-82-86
4	2989	3133F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3055**52-67-73	3141**64-77-82	3167**67-80-85	3175**72-82-86
2	2990	3138*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3060**53-67-73	3145**64-77-82	3171**68-81-86	3175**72-81-86
0	2991	3142*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3064**53-68-73	3150**65-78-83	3175**68-81-86	3175**72-81-86
-2	2991	3146*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3069**54-68-74	3154**65-78-83	3175**69-81-86	3175**72-81-86
-4	2992	3149*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3074**54-69-74	3158**65-79-84	3175**70-81-86	3175**72-81-86
-6	2992	3153*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3078**55-69-75	3163**66-79-84	3175**70-81-86	3175**72-81-86
-8	2993	3157*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3083**55-70-75	3167**66-80-85	3175**71-81-86	3175**72-81-86
-10	2993	3160*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3087**55-70-76	3171**67-81-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2152*/38-38-42	2197*/36-38-43	2213*/37-38-43	2229*/37-38-43
		2233**52-56-59	2294**55-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2195*/39-39-44	2240*/37-40-44	2257*/38-40-44	2273*/38-40-44
		2277**53-57-60	2339**56-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2241*/40-40-45	2287*/38-41-46	2303*/39-41-46	2320*/39-41-46
		2322**55-59-62	2385**57-61-64	2393**56-62-65	2393**56-62-65
54	2311	2291*/42-42-47	2337*/40-43-47	2354*/40-43-47	2371*/40-43-47
		2370**56-59-63	2437**59-63-66	2448**57-63-66	2448**58-63-66
52	2369	2346*/43-43-48	2392*/41-44-49	2410*/41-44-49	2427*/41-44-49
		2420**56-59-63	2494**61-65-68	2509**60-65-68	2509**59-65-68
50	2426	2401*/45-45-50	2448*/42-46-51	2466*/42-46-51	2483*/43-46-51
		2470**56-60-64	2551**62-66-70	2570**62-67-70	2570**61-67-70
48	2485	2458*/47-47-52	2504*/43-47-53	2523*/44-47-53	2541*/44-47-53
		2521**56-61-65	2609**64-68-72	2632**65-69-72	2632**62-69-72
46	2543	2513*/48-48-54	2560*/44-49-54	2579*/45-49-54	2598*/45-49-54
		2571**56-62-66	2664**65-69-72	2692**67-71-74	2696**64-71-74
44	2604	2573*/50-50-55	2620*/46-51-56	2639*/46-51-56	2659*/46-51-56
		2623**56-63-67	2721**65-69-73	2754**68-72-75	2762**65-72-76
42	2672	2636*/51-51-57	2685*/47-52-58	2705*/47-52-58	2725*/48-52-58
		2681**55-63-68	2782**65-69-73	2816**68-71-75	2836**68-74-78
40	2740	2699*/53-53-59	2749*/48-54-60	2770*/49-54-60	2791*/49-54-60
		2739**55-64-69	2843**64-71-75	2878**67-72-76	2911**71-76-80
38	2797	2752*/54-54-60	2803*/49-55-61	2824*/50-55-61	2845*/50-55-61
		2787**55-65-70	2895**64-72-76	2930**67-73-78	2965**71-76-81
36	2846	2798*/55-55-62	2849*/50-57-63	2871*/50-57-63	2893*/51-57-63
		2830**54-66-71	2941**64-73-77	2978**67-75-79	3013**70-76-81
34	2891	2840*/55-56-63	2892*/51-58-64	2915*/51-58-64	2937*/52-58-64
		2869**54-66-72	2983**64-74-78	3020**67-76-80	3056**71-77-81
32	2932	2877*/55-57-64	2932*/51-59-65	2954*/52-59-65	2977*/52-59-65
		2905**54-67-72	3019**64-73-78	3057**67-76-81	3094**71-78-83
30	2972	2912B/55-58-64	2972*/53-60-66	2993*/52-60-66	3016*/53-60-66
		2939**54-67-72	3056**64-75-80	3093**68-77-82	3131**71-79-84
28	2974	2916B/55-58-65	2974*/52-60-66	2996*/53-60-66	3018*/53-60-66
		2944**55-67-73	3060**65-75-80	3098**68-78-83	3136**71-79-84
26	2975	2919B/56-58-65	2975*/52-60-66	2998*/53-60-66	3021*/53-60-66
		2949**55-68-73	3065**65-76-81	3103**68-78-83	3141**72-79-84
24	2976	2923B/56-58-65	2977*/52-60-66	3001*/53-60-66	3023*/53-60-66
		2954**56-68-74	3070**66-76-81	3108**69-78-83	3146**72-79-84
22	2978	2926*/57-58-65	2980*/52-60-66	3003*/53-60-66	3025*/53-60-66
		2959**56-69-74	3074**66-76-81	3112**69-78-83	3150**73-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	2929*/57-58-65	2982*/52-60-66	3005*/53-60-66	3028*/53-60-66
		2964**56-69-75	3079**67-77-82	3117**70-78-83	3155**73-80-85
18	2980	2932*/58-58-65	2984*/52-60-66	3007*/53-60-66	3030*/53-60-66
		2969**57-70-75	3084**67-77-82	3122**70-79-84	3160**74-80-85
16	2981	2935*/58-58-65	2987*/52-60-66	3010*/53-60-66	3032*/53-60-66
		2974**57-70-75	3088**67-77-82	3126**71-79-83	3164**74-81-86
14	2983	2937*/58-59-65	2989*/52-60-66	3012*/53-60-66	3035*/53-60-66
		2978**58-71-76	3093**68-78-83	3131**71-79-84	3169**75-81-86
12	2985	2940*/58-59-65	2992*/52-60-66	3015*/53-60-66	3037*/53-60-66
		2983**58-71-76	3098**68-78-83	3136**72-79-84	3174**75-82-87
10	2986	2942*/58-59-65	2994*/52-60-66	3017*/53-60-66	3040*/53-60-66
		2988**59-71-76	3103**69-78-83	3141**72-79-84	3175**75-82-87
8	2987	2944*/59-59-65	2997*/53-60-66	3019*/53-60-66	3042*/54-60-66
		2992**59-72-77	3108**69-78-83	3146**73-80-85	3175**74-82-86
6	2988	2946*/59-59-65	2999*/53-60-66	3022*/53-60-66	3044*/54-60-66
		2997**59-72-77	3112**70-78-83	3150**73-80-85	3175**73-82-86
4	2989	2948*/59-59-65	3001*/53-60-66	3023*/53-60-66	3046*/54-60-66
		3001**60-73-78	3117**70-78-83	3155**74-81-86	3175**73-82-86
2	2990	2950*/59-59-65	3002*/53-60-66	3025*/53-60-66	3048*/54-60-66
		3005**60-73-78	3121**71-79-84	3159**74-81-86	3175**72-81-86
0	2991	2951*/59-59-65	3004*/53-60-66	3027*/53-60-66	3049*/54-60-66
		3009**61-74-79	3125**71-79-84	3164**75-82-87	3175**72-81-86
-2	2991	2952*/59-59-65	3006*/53-60-66	3028*/53-60-66	3051*/54-60-66
		3013**61-74-79	3129**72-79-84	3168**75-82-87	3175**72-81-86
-4	2992	2954*/59-59-65	3007*/53-60-66	3030*/53-60-66	3053*/54-60-66
		3017**62-75-80	3134**72-80-84	3172**76-83-88	3175**72-81-86
-6	2992	2955*/59-59-66	3009*/53-60-66	3031*/53-60-66	3054*/54-60-66
		3021**62-75-80	3138**73-80-85	3175**76-81-86	3175**72-81-86
-8	2993	2956*/59-59-66	3010*/53-60-66	3033*/53-60-66	3055*/54-60-66
		3025**63-75-80	3142**73-81-86	3175**76-81-86	3175**72-81-86
-10	2993	2958*/59-59-66	3011*/53-60-66	3034*/53-60-66	3057*/54-60-66
		3030**63-76-81	3146**74-82-86	3175**75-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2330*/35-38-43	2378*/36-38-43	2391*/37-38-43	2391*/37-38-43
		2298**52-58-61	2298**53-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2374*/36-40-44	2425*/37-40-44	2440*/38-40-44	2440*/38-40-44
		2345**53-60-63	2345**54-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2421*/37-41-46	2473*/38-41-46	2488*/39-41-46	2493*/39-41-46
		2393**53-62-65	2393**56-62-65	2393**56-62-65	2393**56-62-65
54	2311	2471*/39-43-47	2526*/40-43-47	2542*/40-43-47	2550*/40-43-47
		2447**53-63-66	2448**57-63-66	2448**57-63-66	2448**58-63-66
52	2369	2527*/40-44-49	2584*/41-44-49	2602*/41-44-49	2612*/41-44-49
		2500**53-63-67	2509**59-65-68	2509**59-65-68	2509**59-65-68
50	2426	2583*/41-46-51	2643*/42-46-51	2661*/42-46-51	2676*/43-46-51
		2552**53-64-67	2570**60-67-70	2570**60-67-70	2570**61-67-70
48	2485	2639*/42-47-53	2704*/43-47-53	2723*/44-47-53	2741*/44-47-53
		2605**53-64-68	2632**61-69-72	2632**62-69-72	2632**62-69-72
46	2543	2696*/43-49-54	2763*/44-49-54	2784*/45-49-54	2802*/45-49-54
		2658**53-65-69	2696**63-71-74	2696**63-71-74	2696**64-71-74
44	2604	2755*/44-51-56	2826*/46-51-56	2847*/46-51-56	2867*/46-51-56
		2714**53-65-69	2762**64-72-76	2762**64-72-76	2762**65-72-76
42	2672	2818*/45-52-58	2894*/47-52-58	2917*/47-52-58	2937*/48-52-58
		2776**53-65-70	2836**63-74-78	2836**66-74-78	2836**66-74-78
40	2740	2880*/46-54-60	2962*/48-54-60	2985*/49-54-60	3007*/49-54-60
		2835**52-65-70	2901**63-75-79	2911**67-76-80	2911**68-76-80
38	2797	2932*/47-55-61	3017*/49-55-61	3041*/50-55-61	3063*/50-55-61
		2885**52-66-71	2956**63-75-79	2976**66-78-82	2976**69-78-82
36	2846	2977*/48-57-63	3064*/50-57-63	3089*/50-57-63	3113*/51-57-63
		2930**52-66-71	3005**62-75-80	3026**66-78-83	3035**70-80-84
34	2891	3017*/48-58-64	3106*/51-58-64	3133*/51-58-64	3158*/52-58-64
		2970**52-66-71	3048**62-76-80	3071**66-79-83	3086**70-81-86
32	2932	3053*/49-59-65	3145*/51-59-65	3173*/52-59-65	3175F/52-59-65
		3006**52-67-72	3086**63-76-81	3109**66-79-84	3131**70-82-87
30	2972	3088*/49-60-66	3175F/52-60-66	3175F/52-60-66	3175F/53-60-66
		3039**51-67-72	3123**63-76-81	3148**66-80-84	3170**70-83-88
28	2974	3093*/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3044**52-67-73	3128**63-77-82	3152**67-80-85	3175**70-83-88
26	2975	3097*/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3049**52-67-73	3132**64-77-82	3157**67-81-85	3175**71-83-88
24	2976	3102*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3054**52-68-73	3137**64-78-83	3161**68-81-86	3175**72-83-88
22	2978	3106*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3059**53-68-74	3141**64-78-83	3165**68-82-86	3175**72-83-88

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	3111*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3064**53-69-74	3146**65-79-84	3170**69-82-87	3175**72-83-87
18	2980	3115*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3069**54-69-75	3151**65-79-84	3174**69-82-87	3175**72-83-87
16	2981	3119*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3074**54-70-75	3155**66-80-84	3175**70-82-87	3175**72-82-87
14	2983	3124*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3079**55-70-76	3160**66-80-85	3175**70-82-87	3175**72-82-87
12	2985	3129*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3085**55-71-76	3165**67-81-85	3175**71-82-87	3175**72-82-87
10	2986	3133*/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3090**56-71-76	3169**67-81-86	3175**71-82-87	3175**72-82-87
8	2987	3137*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3095**56-72-77	3174**68-82-86	3175**71-82-86	3175**72-82-86
6	2988	3142*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3100**57-72-77	3175**68-82-86	3175**71-82-86	3175**72-82-86
4	2989	3146*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3105**57-73-78	3175**69-82-86	3175**71-82-86	3175**72-82-86
2	2990	3150*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3109**58-73-78	3175**69-81-86	3175**71-81-86	3175**72-81-86
0	2991	3153*/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3114**58-74-79	3175**70-81-86	3175**71-81-86	3175**72-81-86
-2	2991	3157*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3118**59-74-79	3175**70-81-86	3175**71-81-86	3175**72-81-86
-4	2992	3161*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3123**59-74-80	3175**70-81-86	3175**71-81-86	3175**72-81-86
-6	2992	3164*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3127**60-75-80	3175**70-81-86	3175**71-81-86	3175**72-81-86
-8	2993	3168*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3132**60-75-80	3175**70-81-86	3175**71-81-86	3175**72-81-86
-10	2993	3171*/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3136**60-76-81	3175**70-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2168	2211*/35-38-43	2256*/36-38-43	2271*/37-38-43	2286*/37-38-43
		2285**48-56-59	2298**53-58-61	2298**53-58-61	2298**54-58-61
58A	2213	2255*/36-40-44	2301*/37-40-44	2316*/38-40-44	2331*/38-40-44
		2326**48-56-59	2345**54-60-63	2345**55-60-63	2345**55-60-63
56A	2260	2301*/37-41-46	2348*/38-41-46	2364*/39-41-46	2379*/39-41-46
		2368**48-57-60	2393**56-62-65	2393**56-62-65	2393**56-62-65
54	2311	2351*/39-43-47	2400*/40-43-47	2416*/40-43-47	2431*/40-43-47
		2414**48-58-61	2448**57-63-66	2448**57-63-66	2448**58-63-66
52	2369	2407*/40-44-49	2457*/41-44-49	2473*/41-44-49	2489*/41-44-49
		2465**48-58-62	2509**59-65-68	2509**59-65-68	2509**59-65-68
50	2426	2463*/41-46-51	2514*/42-46-51	2531*/42-46-51	2547*/43-46-51
		2515**48-59-62	2570**58-67-70	2570**60-67-70	2570**61-67-70
48	2485	2520*/42-47-53	2572*/43-47-53	2589*/44-47-53	2606*/44-47-53
		2567**48-59-63	2628**58-68-72	2632**62-69-72	2632**62-69-72
46	2543	2576*/43-49-54	2630*/44-49-54	2648*/45-49-54	2665*/45-49-54
		2617**48-59-64	2683**58-68-72	2696**62-71-74	2696**64-71-74
44	2604	2635*/44-51-56	2692*/46-51-56	2711*/46-51-56	2729*/46-51-56
		2670**48-60-64	2740**58-69-73	2760**62-72-76	2762**65-72-76
42	2672	2700*/45-52-58	2760*/47-52-58	2779*/47-52-58	2797*/48-52-58
		2729**48-60-65	2803**58-69-73	2823**62-72-76	2836**65-74-78
40	2740	2764*/46-54-60	2826*/48-54-60	2846*/49-54-60	2865*/49-54-60
		2786**48-60-65	2865**58-69-74	2887**61-73-77	2907**65-76-80
38	2797	2817*/47-55-61	2882*/49-55-61	2902*/50-55-61	2922*/50-55-61
		2834**47-60-66	2918**58-70-74	2941**61-73-77	2963**65-76-80
36	2846	2863*/48-57-63	2930*/50-57-63	2951*/50-57-63	2971*/51-57-63
		2876**47-61-66	2964**58-70-75	2989**61-73-78	3012**65-76-81
34	2891	2905*/48-58-64	2974*/51-58-64	2996*/51-58-64	3016*/52-58-64
		2915**47-61-67	3006**58-70-75	3031**61-73-78	3056**65-77-81
32	2932	2942*/48-59-65	3014*/51-59-65	3036*/52-59-65	3056*/52-59-65
		2950**47-61-67	3042**58-71-76	3069**61-74-79	3094**65-77-82
30	2972	2978*/48-60-66	3053*/52-60-66	3075*/52-60-66	3096*/53-60-66
		2986**47-62-68	3078**58-71-76	3106**61-74-79	3131**65-78-82
28	2974	2982*/48-60-66	3055*/52-60-66	3077*/53-60-66	3099*/53-60-66
		2991**48-62-68	3083**58-72-77	3111**62-75-80	3136**66-78-83
26	2975	2986*/49-60-66	3058*/52-60-66	3080*/53-60-66	3101*/53-60-66
		2995**48-63-69	3088**59-72-77	3115**62-75-80	3141**66-78-83
24	2976	2990*/49-60-66	3060*/52-60-66	3082*/53-60-66	3104*/53-60-66
		3000**48-63-69	3093**59-72-78	3120**63-76-81	3145**66-79-84
22	2978	2993*/50-60-66	3063*/52-60-66	3085*/53-60-66	3106*/53-60-66
		3005**49-63-69	3097**60-73-78	3124**63-76-81	3150**67-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-200 GE90-94B DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2979	2996*/50-60-66	3065*/52-60-66	3087*/53-60-66	3108*/53-60-66
		3010**49-64-70	3102**60-73-78	3129**64-77-81	3155**67-80-85
18	2980	2999*/50-60-66	3068*/52-60-66	3090*/53-60-66	3111*/53-60-66
		3015**50-64-70	3107**60-74-79	3134**64-77-82	3159**68-80-85
16	2981	3001*/50-60-66	3070*/52-60-66	3092*/53-60-66	3113*/53-60-66
		3020**50-65-70	3112**61-74-79	3138**65-77-82	3163**68-81-86
14	2983	3004*/50-60-66	3073*/52-60-66	3094*/53-60-66	3116*/53-60-66
		3025**50-65-71	3117**61-75-80	3143**65-78-83	3168**69-81-86
12	2985	3007*/50-60-66	3076*/52-60-66	3097*/53-60-66	3118*/53-60-66
		3030**51-65-71	3122**62-75-80	3148**65-78-83	3173**69-82-86
10	2986	3009*/50-60-66	3078*/52-60-66	3100*/53-60-66	3121*/53-60-66
		3035**51-66-72	3127**62-76-81	3153**66-79-84	3175**70-82-87
8	2987	3012*/50-60-66	3081*/53-60-66	3102*/53-60-66	3123*/54-60-66
		3040**52-66-72	3132**63-76-81	3158**66-79-84	3175**70-82-86
6	2988	3014*/50-60-66	3083*/53-60-66	3104*/53-60-66	3126*/54-60-66
		3045**52-67-72	3136**63-77-81	3163**67-80-85	3175**71-82-86
4	2989	3016*/50-60-66	3085*/53-60-66	3106*/53-60-66	3127*/54-60-66
		3049**52-67-73	3141**64-77-82	3167**67-80-85	3175**72-82-86
2	2990	3018*/50-60-66	3087*/53-60-66	3108*/53-60-66	3129*/54-60-66
		3054**53-68-73	3145**64-77-82	3171**68-81-86	3175**72-81-86
0	2991	3020*/50-60-66	3089*/53-60-66	3110*/53-60-66	3131*/54-60-66
		3059**53-68-74	3150**65-78-83	3175**68-81-86	3175**72-81-86
-2	2991	3022*/51-60-66	3090*/53-60-66	3112*/53-60-66	3133*/54-60-66
		3064**54-69-74	3154**65-78-83	3175**69-81-86	3175**72-81-86
-4	2992	3024*/51-60-66	3092*/53-60-66	3113*/53-60-66	3134*/54-60-66
		3068**54-69-75	3158**65-79-84	3175**70-81-86	3175**72-81-86
-6	2992	3025*/51-60-66	3093*/53-60-66	3115*/53-60-66	3136*/54-60-66
		3073**55-69-75	3163**66-79-84	3175**70-81-86	3175**72-81-86
-8	2993	3027*/51-60-66	3095*/53-60-66	3116*/53-60-66	3137*/54-60-66
		3078**55-70-75	3167**66-80-85	3175**71-81-86	3175**72-81-86
-10	2993	3028*/51-60-66	3096*/53-60-66	3118*/53-60-66	3139*/54-60-66
		3082**56-70-76	3171**67-81-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2066	2197F/40-42-45	2339F/41-42-45	2388F/41-42-45	2439F/41-42-45
		2123**47-51-53	2171**55-60-61	2183**58-63-64	2192**61-65-67
58A	2108	2227F/41-44-47	2370F/42-44-47	2420F/42-44-47	2472F/42-44-47
		2160**47-51-54	2210**56-60-62	2224**58-63-65	2234**61-66-68
56A	2153	2257F/42-45-48	2403F/43-45-48	2454F/43-45-48	2506F/43-45-48
		2199**47-52-54	2251**56-61-63	2266**59-64-66	2277**62-67-69
54A	2200	2288F/43-46-50	2437F/44-46-50	2488F/44-46-50	2541F/45-46-50
		2239**47-52-55	2295**56-61-63	2309**59-64-66	2322**62-67-69
52A	2248	2319F/44-48-51	2470F/45-48-51	2523F/45-48-51	2576F/46-48-51
		2279**48-52-55	2338**57-61-64	2354**60-64-67	2368**62-68-70
50A	2295	2349F/45-49-53	2503F/46-49-53	2556F/47-49-53	2610F/47-49-53
		2319**48-53-56	2380**57-62-64	2398**60-65-67	2413**63-68-70
48	2347	2382F/46-51-55	2538F/47-51-55	2591F/48-51-55	2647F/48-51-55
		2363**48-53-57	2427**57-62-65	2445**60-65-68	2461**63-68-71
46	2401	2417F/47-53-56	2575F/49-53-56	2629F/49-53-56	2687F/49-53-56
		2409**48-53-57	2475**57-63-66	2494**60-66-69	2513**63-69-72
44	2459	2453F/48-54-58	2612F/50-54-58	2669F/50-54-58	2727F/51-54-58
			2524**57-63-66	2545**60-66-69	2564**63-69-72
42	2520	2487F/48-55-59	2649F/51-56-60	2708F/52-56-60	2768F/52-56-60
			2576**57-63-67	2597**60-66-70	2617**63-70-73
40	2580	2521F/48-56-60	2687F/52-58-62	2747F/53-58-62	2808F/53-58-62
			2627**57-64-67	2650**60-67-70	2673**63-70-73
38	2640	2555F/49-57-61	2725F/54-59-64	2785F/54-59-64	2848F/55-59-64
			2677**57-64-68	2703**60-67-71	2726**63-70-74
36	2688	2581F/49-57-62	2755F/54-61-65	2816F/55-61-65	2879F/56-61-65
			2719**57-64-68	2745**60-67-71	2770**63-70-74
34	2737	2608F/49-58-63	2785F/55-62-67	2847F/56-62-67	2911F/56-62-67
			2759**57-64-69	2787**60-67-72	2814**63-71-75
32	2775	2632F/49-59-64	2812F/56-63-68	2875F/56-63-68	2940F/57-63-68
			2792**57-65-69	2821**60-68-72	2848**64-71-75
30	2813	2657F/50-59-65	2840F/56-64-69	2903F/57-64-69	2968F/58-64-69
			2825**57-65-70	2854**60-68-73	2882**64-71-76
28	2853	2685F/50-60-65	2869F/57-65-70	2933F/58-65-70	2998F/58-65-70
			2861**57-66-70	2890**61-69-73	2918**64-72-76
26	2893	2712F/50-60-66	2898F/58-66-71	2962F/58-66-71	3026F/59-66-71
			2895**57-66-71	2924**61-69-74	2953**64-72-77
24	2914	2729F/50-61-67	2917F/58-66-71	2982F/59-66-71	3045F/59-66-71
			2915**58-66-71	2945**61-70-74	2973**64-73-77
22	2914	2738F/51-61-67	2926F/58-66-71	2991F/59-66-71	3054F/59-66-71
			2920**58-67-72	2949**62-70-75	2978**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2915	2746F/51-61-67	2935F/58-66-71	3000F/59-66-71	3064F/59-66-71
			2924**59-67-72	2954**62-71-75	2982**65-74-78
18	2916	2754F/51-62-67	2944F/58-66-71	3009F/59-66-71	3073F/60-66-71
			2929**59-68-73	2959**62-71-76	2987**66-74-79
16	2916	2763F/51-62-68	2953F/58-66-71	3018F/59-66-71	3082F/60-66-71
			2933**59-68-73	2963**63-71-76	2992**66-75-79
14	2917	2771F/52-62-68	2963F/58-66-71	3027F/59-66-71	3092F/60-66-71
			2938**60-69-73	2968**63-72-76	2996**67-75-79
12	2918	2780F/52-62-68	2972F/58-66-71	3036F/59-66-71	3101F/60-66-71
			2943**60-69-74	2972**64-72-77	3001**67-76-80
10	2918	2788F/52-63-68	2982F/58-66-71	3046F/59-66-71	3111F/60-66-71
			2948**61-70-74	2977**64-73-77	3005**68-76-80
8	2919	2797F/53-63-68	2991F/58-66-71	3055F/59-66-71	3121F/60-66-71
			2953**61-70-75	2982**65-73-78	3010**68-77-81
6	2920	2806F/53-63-69	3001F/59-66-71	3065F/59-66-71	3131F/60-66-71
			2958**62-70-75	2987**65-74-78	3014**68-77-81
4	2921	2815F/53-63-69	3010F/59-66-71	3075F/59-66-71	3141F/60-66-71
			2963**62-71-76	2992**65-74-79	3019**69-78-82
2	2921	2824F/53-64-69	3019F/59-66-72	3085F/59-66-72	3151F/60-66-72
			2967**62-71-76	2996**66-75-79	3023**69-78-82
0	2922	2833F/54-64-69	3029F/59-67-72	3094F/60-67-72	3161F/60-67-72
			2972**63-72-76	3001**66-75-80	3028**70-79-83
-2	2922	2842F/54-64-70	3038F/59-67-72	3104F/60-67-72	3172F/60-67-72
			2976**63-72-77	3005**67-76-80	3032**70-79-83
-4	2922	2851F/54-64-70	3048F/59-67-72	3114F/60-67-72	3175F/60-67-72
			2981**64-73-77	3010**67-76-81	3037**71-80-84
-6	2923	2861F/55-65-70	3058F/59-67-72	3124F/60-67-72	3175F/60-67-72
			2986**64-73-78	3014**68-77-81	3041**71-80-84
-8	2923	2870F/55-65-70	3067F/59-67-72	3134F/60-67-72	3175F/60-67-72
			2990**65-74-78	3018**68-77-81	3045**72-81-85
-10	2923	2879F/55-65-70	3077F/59-67-72	3145F/60-67-72	3175F/60-67-72
			2995**65-74-79	3023**69-78-82	3050**72-81-85

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2066	2179F/40-42-45	2319F/41-42-45	2367F/41-42-45	2416F/42-42-45
		2116**46-50-52	2165**55-58-60	2179**58-61-63	2189**60-64-66
58A	2108	2209F/41-44-47	2350F/42-44-47	2399F/42-44-47	2449F/43-44-47
		2153**47-50-53	2205**55-59-61	2219**58-62-64	2230**61-65-67
56A	2153	2240F/43-45-48	2383F/43-45-48	2433F/44-45-48	2484F/44-45-48
		2192**47-51-53	2245**55-59-62	2260**58-62-64	2272**61-65-67
54A	2200	2271F/44-46-50	2416F/45-46-50	2467F/45-46-50	2519F/45-46-50
		2232**47-51-54	2288**56-60-62	2304**59-63-65	2318**62-66-68
52A	2248	2301F/45-48-51	2450F/46-48-51	2501F/46-48-51	2554F/46-48-51
		2272**47-51-54	2331**56-60-63	2348**59-63-66	2362**62-66-69
50A	2295	2332F/46-49-53	2483F/47-49-53	2535F/47-49-53	2588F/47-49-53
		2312**48-52-55	2374**56-61-63	2391**59-64-66	2407**62-67-69
48	2347	2365F/47-51-55	2518F/48-51-55	2571F/48-51-55	2626F/49-51-55
		2355**48-52-56	2420**57-61-64	2438**60-64-67	2456**63-67-70
46	2401	2399F/48-53-56	2555F/49-53-56	2609F/50-53-56	2665F/50-53-56
			2467**57-62-65	2488**60-65-68	2506**63-68-71
44	2459	2435F/48-53-57	2592F/51-54-58	2647F/51-54-58	2705F/51-54-58
			2517**57-62-65	2538**60-65-68	2557**63-68-71
42	2520	2469F/49-54-59	2630F/52-56-60	2687F/52-56-60	2746F/53-56-60
			2568**57-62-66	2590**60-65-69	2611**63-68-72
40	2580	2504F/49-55-60	2667F/53-58-62	2726F/54-58-62	2786F/54-58-62
			2618**57-63-66	2642**60-66-69	2665**63-69-72
38	2640	2537F/49-56-61	2704F/54-59-64	2764F/55-59-64	2825F/55-59-64
			2669**57-63-67	2694**60-66-70	2718**63-69-73
36	2688	2564F/49-57-62	2734F/55-61-65	2795F/56-61-65	2857F/56-61-65
			2710**57-63-67	2736**60-66-70	2762**63-69-73
34	2737	2590F/50-57-63	2764F/56-62-67	2826F/57-62-67	2889F/57-62-67
			2750**57-63-68	2778**60-66-71	2805**63-70-74
32	2775	2615F/50-58-63	2791F/57-63-68	2854F/57-63-68	2917F/58-63-68
			2783**57-64-68	2811**60-67-71	2839**64-70-74
30	2813	2639F/50-59-64	2818F/57-64-69	2881F/58-64-69	2946F/59-64-69
			2815**57-64-69	2845**61-67-72	2873**64-70-75
28	2853	2667F/50-59-65	2848F/58-65-70	2911F/59-65-70	2977F/59-65-70
				2880**61-68-72	2908**64-71-75
26	2893	2693F/51-60-66	2877F/58-65-70	2940F/59-66-71	3005F/60-66-71
				2914**61-68-73	2943**64-71-76
24	2914	2711F/51-60-66	2895F/58-66-71	2960F/60-66-71	3024F/60-66-71
				2935**61-69-73	2964**65-72-76
22	2914	2719F/51-61-66	2904F/58-66-71	2969F/60-66-71	3033F/60-66-71
				2939**62-69-74	2968**65-72-77

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2915	2727F/51-61-67	2913F/59-66-71	2978F/60-66-71	3042F/60-66-71
				2944**62-69-74	2973**65-73-77
18	2916	2735F/52-61-67	2922F/59-66-71	2988F/60-66-71	3051F/60-66-71
			2919**59-67-72	2949**62-70-75	2978**66-73-78
16	2916	2743F/52-61-67	2932F/59-66-71	2997F/60-66-71	3061F/61-66-71
			2923**60-67-72	2954**63-70-75	2982**66-74-78
14	2917	2752F/52-62-67	2941F/59-66-71	3006F/60-66-71	3070F/61-66-71
			2928**60-68-72	2958**63-71-75	2987**67-74-78
12	2918	2760F/52-62-68	2950F/59-66-71	3015F/60-66-71	3079F/61-66-71
			2933**60-68-73	2963**64-71-76	2991**67-75-79
10	2918	2769F/53-62-68	2960F/59-66-71	3024F/60-66-71	3089F/61-66-71
			2937**61-68-73	2967**64-72-76	2996**68-75-79
8	2919	2778F/53-62-68	2969F/59-66-71	3034F/60-66-71	3098F/61-66-71
			2942**61-69-74	2972**65-72-77	3001**68-75-80
6	2920	2786F/53-63-68	2979F/60-66-71	3043F/60-66-71	3108F/61-66-71
			2947**62-69-74	2977**65-73-77	3006**69-76-80
4	2921	2795F/54-63-68	2989F/60-66-71	3053F/60-66-71	3118F/61-66-71
			2952**62-70-75	2982**66-73-78	3010**69-76-81
2	2921	2804F/54-63-69	2998F/60-66-72	3063F/60-66-72	3128F/61-66-72
			2957**63-70-75	2987**66-74-78	3015**69-77-81
0	2922	2813F/54-63-69	3007F/60-67-72	3072F/60-67-72	3138F/61-67-72
			2962**63-71-75	2991**66-74-79	3019**70-77-82
-2	2922	2822F/55-64-69	3017F/60-67-72	3082F/61-67-72	3147F/61-67-72
			2967**63-71-76	2996**67-75-79	3023**70-78-82
-4	2922	2831F/55-64-69	3026F/60-67-72	3091F/61-67-72	3158F/61-67-72
			2971**64-72-76	3000**67-75-79	3028**71-79-83
-6	2923	2840F/55-64-70	3036F/60-67-72	3101F/61-67-72	3168F/61-67-72
			2976**64-72-77	3005**68-76-80	3032**71-79-83
-8	2923	2849F/55-64-70	3045F/60-67-72	3111F/61-67-72	3175F/61-67-72
			2980**65-73-77	3009**68-76-80	3036**72-80-84
-10	2923	2858F/56-65-70	3055F/60-67-72	3121F/61-67-72	3175F/61-67-72
			2985**65-73-78	3014**69-77-81	3041**72-80-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1986	2283F/30-33-37	2434F/31-33-37	2487F/31-33-37	2540F/31-33-37
		2103**46-52-54	2103**47-52-54	2103**48-52-54	2103**48-52-54
58A	2026	2315F/31-34-38	2467F/32-34-38	2520F/32-34-38	2574F/33-34-38
		2142**47-53-55	2146**49-54-56	2146**49-54-56	2146**49-54-56
56A	2070	2347F/32-35-40	2501F/33-35-40	2555F/34-35-40	2610F/34-35-40
		2181**47-53-56	2191**50-55-58	2191**50-55-58	2191**50-55-58
54A	2116	2379F/34-37-41	2536F/35-37-41	2591F/35-37-41	2647F/35-37-41
		2223**47-53-56	2240**51-57-59	2240**51-57-59	2240**52-57-59
52A	2162	2411F/35-38-43	2571F/36-38-43	2626F/36-38-43	2685F/36-38-43
		2265**47-54-57	2289**53-58-61	2289**53-58-61	2289**53-58-61
50A	2207	2442F/36-40-44	2605F/37-40-44	2662F/37-40-44	2723F/37-40-44
		2306**47-54-57	2337**54-60-63	2337**54-60-63	2337**54-60-63
48	2257	2476F/37-41-46	2641F/38-41-46	2701F/38-41-46	2763F/38-41-46
		2350**48-54-58	2391**55-62-65	2391**55-62-65	2391**56-62-65
46	2310	2513F/38-43-47	2681F/39-43-47	2742F/39-43-47	2804F/40-43-47
		2397**48-55-58	2447**57-63-66	2447**57-63-66	2447**57-63-66
44	2366	2549F/39-44-49	2722F/40-44-49	2784F/41-44-49	2847F/41-44-49
		2445**48-55-59	2503**57-64-68	2506**58-65-68	2506**59-65-68
42	2423	2585F/40-46-51	2763F/41-46-51	2825F/42-46-51	2889F/42-46-51
		2494**48-55-59	2555**57-65-68	2568**60-67-70	2568**60-67-70
40	2481	2621F/41-47-53	2802F/43-47-53	2866F/43-47-53	2930F/43-47-53
		2543**47-55-60	2608**57-65-69	2627**60-68-72	2631**62-69-73
38	2537	2656F/42-49-54	2841F/44-49-54	2906F/44-49-54	2971F/45-49-54
		2590**47-56-60	2660**57-65-69	2681**60-68-72	2695**63-71-74
36	2580	2685F/43-50-56	2872F/45-50-56	2938F/45-50-56	3003F/45-50-56
		2628**47-56-61	2703**57-65-69	2726**60-69-72	2747**63-72-76
34	2623	2713F/44-51-57	2903F/46-51-57	2969F/46-51-57	3034F/46-51-57
		2665**47-56-61	2745**57-65-70	2770**60-69-73	2792**63-72-76
32	2660	2740F/44-52-58	2931F/46-52-58	2998F/47-52-58	3063F/47-52-58
		2697**47-56-62	2779**57-66-70	2804**60-69-73	2828**64-72-76
30	2696	2766F/45-53-59	2960F/47-53-59	3025F/47-53-59	3091F/48-53-59
		2729**47-57-62	2813**57-66-71	2839**60-69-74	2863**64-73-77
28	2737	2795F/45-54-60	2990F/48-54-60	3055F/48-54-60	3122F/48-54-60
		2764**47-57-63	2849**57-67-71	2875**61-70-74	2899**64-73-77
26	2777	2823F/46-55-61	3019F/48-55-61	3084F/49-55-61	3151F/49-55-61
		2798**47-57-63	2884**57-67-72	2910**61-70-75	2935**64-74-78
24	2798	2841F/46-56-62	3037F/48-56-62	3103F/49-56-62	3170F/49-56-62
		2818**48-58-63	2904**58-67-72	2930**61-71-75	2956**64-74-78
22	2798	2850F/46-56-62	3046F/48-56-62	3112F/49-56-62	3175F/49-56-62
		2822**48-58-64	2908**58-68-73	2935**61-71-76	2960**65-75-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2799	2858F/46-56-62	3055F/49-56-62	3122F/49-56-62	3175F/50-56-62
		2826**48-59-64	2912**58-68-73	2939**62-72-76	2964**65-75-79
18	2799	2867F/46-56-62	3064F/49-56-62	3131F/49-56-62	3175F/50-56-62
		2831**49-59-65	2917**59-69-74	2943**62-72-77	2968**66-75-80
16	2800	2876F/46-56-62	3074F/49-56-62	3141F/49-56-62	3175F/50-56-62
		2835**49-59-65	2921**59-69-74	2947**63-73-77	2972**66-76-80
14	2800	2885F/46-56-62	3083F/49-56-62	3150F/49-56-62	3175F/50-56-62
		2840**50-60-65	2926**60-70-74	2952**63-73-78	2976**67-76-81
12	2801	2894F/47-56-62	3092F/49-56-62	3160F/49-56-62	3175F/50-56-62
		2844**50-60-66	2930**60-70-75	2956**64-74-78	2980**67-77-81
10	2801	2903F/47-56-62	3102F/49-56-62	3170F/49-56-62	3175F/50-56-62
		2848**50-61-66	2934**61-71-75	2960**64-74-78	2984**68-77-82
8	2802	2912F/47-56-62	3111F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2853**51-61-67	2939**61-71-76	2965**65-75-79	2988**68-78-82
6	2803	2921F/47-56-62	3121F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2858**51-62-67	2943**62-72-76	2969**65-75-79	2993**69-78-83
4	2803	2931F/47-56-62	3131F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2862**52-62-67	2947**62-72-77	2973**66-76-80	2994**69-79-83
2	2804	2940F/47-56-62	3141F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2867**52-63-68	2952**62-73-77	2977**66-76-80	2995**69-79-83
0	2804	2949F/47-56-62	3151F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2871**52-63-68	2956**63-73-78	2981**66-77-81	2995**69-79-83
-2	2805	2959F/47-56-62	3161F/49-56-62	3175F/49-56-62	3175F/50-56-62
		2876**53-63-69	2960**63-74-78	2985**67-77-81	2996**69-79-83
-4	2805	2968F/47-56-62	3171F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2880**53-64-69	2965**64-74-79	2989**67-78-82	2996**69-79-83
-6	2805	2978F/47-56-62	3175F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2885**54-64-70	2969**64-75-79	2993**68-78-82	2996**69-79-83
-8	2805	2987F/47-56-62	3175F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2889**54-65-70	2973**65-75-80	2997**68-79-83	2997**69-79-83
-10	2805	2996F/47-56-62	3175F/49-56-62	3175F/50-56-62	3175F/50-56-62
		2893**55-65-70	2977**65-76-80	2997**69-79-83	2997**69-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1986	2263F/30-33-37	2412F/31-33-37	2463F/32-33-37	2515F/32-33-37
		2098**46-51-53	2103**48-52-54	2103**48-52-54	2103**48-52-54
58A	2026	2294F/32-34-38	2445F/32-34-38	2497F/33-34-38	2550F/33-34-38
		2136**46-51-54	2146**49-54-56	2146**49-54-56	2146**50-54-56
56A	2070	2327F/33-35-40	2480F/34-35-40	2532F/34-35-40	2586F/34-35-40
		2175**47-52-55	2191**50-55-58	2191**51-55-58	2191**51-55-58
54A	2116	2360F/34-37-41	2514F/35-37-41	2568F/35-37-41	2622F/36-37-41
		2217**47-52-55	2240**52-57-59	2240**52-57-59	2240**52-57-59
52A	2162	2392F/35-38-43	2549F/36-38-43	2604F/36-38-43	2659F/37-38-43
		2259**47-53-56	2289**53-58-61	2289**53-58-61	2289**54-58-61
50A	2207	2424F/36-40-44	2584F/37-40-44	2639F/38-40-44	2697F/38-40-44
		2299**47-53-56	2337**54-60-63	2337**55-60-63	2337**55-60-63
48	2257	2458F/37-41-46	2620F/38-41-46	2679F/39-41-46	2738F/39-41-46
		2343**47-53-57	2391**56-62-65	2391**56-62-65	2391**56-62-65
46	2310	2494F/39-43-47	2659F/40-43-47	2719F/40-43-47	2781F/40-43-47
		2390**47-54-57	2446**57-63-66	2447**58-63-66	2447**58-63-66
44	2366	2531F/40-44-49	2700F/41-44-49	2761F/41-44-49	2823F/41-44-49
		2437**48-54-58	2497**57-63-67	2506**59-65-68	2506**59-65-68
42	2423	2566F/41-46-51	2740F/42-46-51	2802F/42-46-51	2865F/43-46-51
		2487**48-54-58	2549**57-64-67	2567**60-67-70	2568**61-67-70
40	2481	2602F/42-47-53	2780F/43-47-53	2842F/44-47-53	2906F/44-47-53
		2535**47-54-59	2602**57-64-68	2621**60-67-71	2631**62-69-73
38	2537	2636F/43-49-54	2819F/44-49-54	2882F/45-49-54	2947F/45-49-54
		2582**47-55-59	2653**57-64-68	2674**60-67-71	2694**63-71-74
36	2580	2665F/44-50-56	2850F/45-50-56	2914F/46-50-56	2980F/46-50-56
		2619**47-55-60	2695**57-64-68	2719**60-67-71	2740**63-71-75
34	2623	2693F/45-51-57	2881F/46-51-57	2946F/47-51-57	3011F/47-51-57
		2656**47-55-60	2737**57-64-69	2761**60-68-72	2785**63-71-75
32	2660	2720F/45-52-58	2909F/47-52-58	2975F/47-52-58	3039F/48-52-58
		2688**47-55-61	2771**57-65-69	2796**60-68-72	2820**63-71-75
30	2696	2746F/46-53-59	2937F/48-53-59	3003F/48-53-59	3067F/48-53-59
		2720**47-56-61	2804**57-65-70	2830**60-68-73	2855**64-72-76
28	2737	2775F/46-54-60	2968F/48-54-60	3033F/49-54-60	3098F/49-54-60
		2755**48-56-62	2840**57-66-70	2866**61-69-73	2892**64-72-76
26	2777	2803F/47-55-61	2997F/49-55-61	3062F/49-55-61	3127F/50-55-61
		2789**48-56-62	2875**58-66-71	2902**61-69-74	2927**64-73-77
24	2798	2821F/47-56-62	3016F/49-56-62	3081F/50-56-62	3147F/50-56-62
		2808**48-57-63	2895**58-66-71	2922**61-70-74	2947**64-73-77
22	2798	2829F/47-56-62	3024F/49-56-62	3090F/50-56-62	3156F/50-56-62
		2813**48-57-63	2899**58-67-72	2926**62-70-75	2952**65-73-78

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2799	2838F/47-56-62	3033F/49-56-62	3099F/50-56-62	3166F/50-56-62
		2817**49-58-63	2903**59-67-72	2930**62-71-75	2956**65-74-78
18	2799	2847F/47-56-62	3042F/49-56-62	3108F/50-56-62	3175F/50-56-62
		2821**49-58-64	2908**59-68-73	2935**62-71-76	2960**66-74-79
16	2800	2855F/47-56-62	3052F/50-56-62	3118F/50-56-62	3175F/50-56-62
		2826**49-58-64	2912**59-68-73	2939**63-72-76	2964**66-75-79
14	2800	2864F/47-56-62	3061F/50-56-62	3127F/50-56-62	3175F/50-56-62
		2830**50-59-64	2917**60-69-73	2943**63-72-77	2968**67-75-80
12	2801	2872F/48-56-62	3070F/50-56-62	3136F/50-56-62	3175F/50-56-62
		2834**50-59-65	2921**60-69-74	2947**64-72-77	2972**67-76-80
10	2801	2881F/48-56-62	3079F/50-56-62	3146F/50-56-62	3175F/50-56-62
		2839**51-60-65	2926**61-70-74	2952**64-73-77	2976**68-76-81
8	2802	2890F/48-56-62	3089F/50-56-62	3156F/50-56-62	3175F/51-56-62
		2844**51-60-66	2930**61-70-75	2956**65-73-78	2981**68-77-81
6	2803	2899F/48-56-62	3098F/50-56-62	3166F/50-56-62	3175F/51-56-62
		2848**51-61-66	2934**62-71-75	2961**65-74-78	2985**69-77-82
4	2803	2908F/48-56-62	3108F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2853**52-61-66	2939**62-71-76	2965**65-74-79	2989**69-78-82
2	2804	2918F/48-56-62	3118F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2857**52-61-67	2943**62-72-76	2969**66-75-79	2993**69-78-83
0	2804	2927F/48-56-62	3127F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2862**53-62-67	2947**63-72-77	2973**66-75-80	2995**70-79-83
-2	2805	2936F/48-56-62	3137F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2866**53-62-68	2952**63-73-77	2977**67-76-80	2996**70-79-83
-4	2805	2945F/48-56-62	3147F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2870**53-63-68	2956**64-73-78	2981**67-76-81	2996**70-79-83
-6	2805	2955F/48-56-62	3156F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2875**54-63-69	2960**64-74-78	2985**68-77-81	2996**70-79-83
-8	2805	2964F/48-56-62	3166F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2879**54-64-69	2964**65-74-79	2989**68-78-82	2997**70-79-83
-10	2805	2974F/48-56-62	3175F/50-56-62	3175F/50-56-62	3175F/51-56-62
		2884**55-64-69	2969**65-75-79	2993**69-78-82	2997**70-79-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2078	1933*/36-37-41	1996*/39-39-43	2016*/40-40-44	2035*/41-41-44
		1935**36-40-43	2019**45-47-49	2047**48-50-52	2073**51-53-55
58A	2120	1969*/37-38-42	2034*/41-41-44	2055*/41-41-45	2075*/42-42-46
		1970**37-40-44	2056**46-47-50	2083**48-50-53	2109**51-53-55
56A	2166	2007*/38-39-43	2076*/42-42-46	2096*/43-43-46	2117*/44-44-47
			2094**46-48-51	2122**49-50-53	2149**51-53-56
54A	2213	2046*/38-41-45	2119*/43-43-47	2140*/44-44-48	2161*/45-45-49
			2133**46-48-51	2162**49-51-54	2190**52-53-56
52A	2261	2085*/39-42-46	2162*/45-45-49	2183*/46-46-49	2205*/46-46-50
			2172**47-49-53	2201**49-51-54	2230**52-54-57
50A	2309	2122*/39-43-48	2205*/46-46-50	2227*/47-47-51	2249*/48-48-52
			2211**47-50-53	2241**50-52-55	2271**52-54-57
48	2362	2155F/39-44-49	2252*/47-47-52	2275*/48-48-52	2298*/49-49-53
			2254**47-50-54	2285**50-52-56	2316**53-54-58
46	2417	2188F/40-45-50	2298*/47-49-53	2325*/50-50-54	2348*/51-51-55
			2299**47-51-55	2330**50-53-57	2362**53-56-59
44	2476	2221F/40-46-51	2345*/48-50-55	2376*/50-51-56	2402*/52-52-57
				2378**50-54-58	2410**53-56-60
42	2537	2254F/40-47-52	2394*/48-52-56	2425*/50-53-57	2456*/53-54-58
				2427**50-54-59	2459**53-57-61
40	2599	2286F/41-47-53	2442*/48-53-58	2474*/51-54-59	2506*/53-55-60
					2508**53-58-62
38	2658	2316F/41-48-54	2475F/48-54-59	2521*/51-55-60	2554*/54-56-61
					2555**54-58-63
36	2708	2341F/41-49-55	2502F/48-54-60	2558F/51-56-62	2592*/54-58-63
					2594**54-59-64
34	2756	2365F/42-49-56	2528F/49-55-61	2585F/51-57-63	2630*/54-59-64
32	2794	2388F/42-50-57	2553F/49-56-62	2610F/52-58-63	2662*/54-59-65
30	2831	2410F/42-51-58	2577F/50-56-62	2635F/52-58-64	2694*/54-60-66
28	2873	2435F/42-51-58	2605F/50-57-63	2664F/52-59-65	2726F/55-61-67
26	2913	2459F/43-52-59	2630F/50-58-64	2691F/53-60-66	2754F/55-62-67
24	2928	2472F/43-52-60	2644F/50-58-65	2706F/53-60-66	2770F/55-62-68
22	2929	2479F/43-53-60	2653F/51-58-65	2715F/53-60-66	2779F/56-62-68
20	2930	2486F/43-53-60	2661F/51-59-65	2724F/54-61-67	2787*/56-62-68
18	2931	2493F/44-53-60	2669F/51-59-65	2732F/54-61-67	2791*/56-63-68
16	2931	2501F/44-53-61	2678F/52-59-65	2741F/54-61-67	2795*/57-63-68
14	2932	2508F/44-54-61	2686F/52-59-66	2750F/54-61-67	2799*/57-63-69
					2800**57-64-69
12	2933	2515F/45-54-61	2695F/52-60-66	2758F/55-62-68	2803*/58-63-69
					2804**58-64-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
10	2933	2523F/45-54-61	2703F/53-60-66	2767F/55-62-68	2807*/58-63-69
					2809**58-65-70
8	2934	2531F/45-54-61	2712F/53-60-66	2773*/55-62-68	2811*/58-63-69
					2813**58-65-71
6	2935	2538F/45-55-62	2721F/53-61-67	2777*/56-62-68	2815*/59-63-69
					2818**59-66-71
4	2936	2546F/46-55-62	2730F/53-61-67	2781*/56-62-68	2819*/59-63-69
				2782**56-63-69	2822**59-66-71
2	2937	2554F/46-55-62	2739F/54-61-67	2785*/57-62-68	2823*/60-64-69
				2786**57-64-69	2826**60-66-72
0	2937	2562F/46-55-62	2748F/54-61-67	2788*/57-63-68	2826*/60-64-69
				2790**57-64-70	2831**60-67-72
-2	2937	2569F/47-56-63	2754*/54-61-67	2792*/58-63-68	2830*/61-64-69
				2795**58-65-70	2835**61-68-73
-4	2938	2577F/47-56-63	2757*/55-62-67	2796*/58-63-68	2834*/61-64-69
				2799**58-65-71	2839**61-68-73
-6	2938	2585F/47-56-63	2761*/55-62-68	2799*/58-63-69	2837*/62-64-69
			2762**55-63-68	2803**58-66-71	2843**62-69-74
-8	2938	2593F/47-56-63	2765*/56-62-68	2803*/59-63-69	2841*/62-64-70
			2766**56-63-69	2807**59-66-72	2847**62-69-74
-10	2938	2602F/48-57-63	2768*/56-62-68	2807*/59-63-69	2844*/63-64-70
			2770**56-64-69	2811**59-67-72	2852**62-70-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 23 HSFS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF EL FASHIR ELF

777-200 GE90-94B DATED 01-FEB-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2078	1974F/35-39-42	2119F/41-43-46	2167F/41-43-46	2216F/42-43-46
			2097**43-45-48	2117**46-48-51	2137**49-51-54
58A	2120	2003F/36-39-43	2147F/42-44-47	2196F/43-44-47	2246F/43-44-47
			2133**43-46-49	2154**46-49-51	2174**49-52-54
56A	2166	2034F/37-40-44	2177F/43-45-49	2227F/44-45-49	2277F/44-45-49
			2171**44-46-49	2192**47-49-52	2213**50-52-55
54A	2213	2064F/38-41-45	2208F/44-47-50	2258F/45-47-50	2309F/45-47-50
				2233**47-50-53	2254**50-53-55
52A	2261	2094F/38-42-47	2238F/45-48-51	2288F/46-48-52	2340F/46-48-52
				2274**47-50-53	2295**50-53-56
50A	2309	2122F/39-43-48	2268F/45-48-52	2319F/47-50-53	2371F/48-50-53
				2313**47-50-54	2336**50-53-57
48	2362	2154F/39-44-49	2302F/46-49-53	2353F/48-51-55	2406F/49-51-55
					2382**51-54-57
46	2417	2187F/40-45-50	2337F/46-50-54	2389F/48-52-56	2442F/50-53-57
					2429**51-54-58
44	2476	2220F/40-46-51	2372F/47-51-56	2425F/49-53-57	2479F/51-55-59
					2477**51-55-59
42	2537	2252F/40-47-52	2406F/47-52-57	2460F/50-54-58	2515F/52-56-60
40	2599	2285F/41-47-53	2441F/48-53-58	2496F/50-55-60	2552F/52-57-61
38	2658	2315F/41-48-54	2474F/48-54-59	2529F/50-56-61	2586F/53-58-62
36	2708	2340F/41-49-55	2501F/48-54-60	2557F/51-56-62	2614F/53-58-63
34	2756	2364F/42-49-56	2527F/49-55-61	2584F/51-57-62	2642F/54-59-64
32	2794	2387F/42-50-57	2551F/49-56-62	2608F/52-58-63	2668F/54-60-65
30	2831	2409F/42-51-58	2576F/50-56-62	2633F/52-58-64	2695F/54-60-66
28	2873	2434F/42-51-58	2603F/50-57-63	2662F/52-59-65	2724F/55-61-67
26	2913	2457F/43-52-59	2629F/50-58-64	2690F/53-60-66	2752F/55-62-67
24	2928	2470F/43-52-60	2643F/51-58-65	2705F/53-60-66	2768F/55-62-68
22	2929	2478F/43-53-60	2651F/51-58-65	2713F/53-60-66	2777F/56-62-68
20	2930	2485F/43-53-60	2659F/51-59-65	2722F/54-61-67	2786F/56-62-68
18	2931	2492F/44-53-60	2668F/51-59-65	2730F/54-61-67	2795F/56-63-68
16	2931	2499F/44-53-60	2676F/52-59-65	2739F/54-61-67	2804F/57-63-69
14	2932	2507F/44-54-61	2685F/52-59-66	2748F/54-61-67	2813F/57-63-69
12	2933	2514F/45-54-61	2693F/52-60-66	2757F/55-62-67	2822F/57-64-69
10	2933	2521F/45-54-61	2702F/53-60-66	2766F/55-62-68	2831F/57-64-69
8	2934	2529F/45-54-61	2711F/53-60-66	2775F/55-62-68	2841F/58-64-70
6	2935	2537F/45-55-62	2720F/53-60-67	2784F/56-62-68	2851F/58-64-70
4	2936	2545F/46-55-62	2728F/53-61-67	2793F/56-63-68	2860F/58-65-70
2	2937	2552F/46-55-62	2737F/54-61-67	2803F/56-63-69	2870F/59-65-70

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT **RUNWAY 23** **HSFS**

***** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF** **EL FASHIR**
ELF
777-200 GE90-94B **DATED 01-FEB-2019**

***A* INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE**

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
0	2937	2560F/46-55-62	2746F/54-61-67	2812F/57-63-69	2880F/59-65-71
-2	2937	2568F/47-56-62	2755F/54-62-67	2821F/57-63-69	2889F/59-65-71
-4	2938	2576F/47-56-63	2765F/55-62-68	2831F/57-64-69	2899F/60-66-71
-6	2938	2584F/47-56-63	2774F/55-62-68	2841F/57-64-70	2909F/60-66-71
-8	2938	2592F/48-56-63	2783F/55-62-68	2850F/58-64-70	2919F/60-66-71
-10	2938	2600F/48-57-63	2792F/56-63-68	2860F/58-65-70	2929F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
***=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB**
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1998	1891*/29-29-34	1946*/31-31-35	1964*/32-32-36	1981*/33-33-37
		1921**35-38-41	2000**44-47-50	2022**45-49-51	2044**46-50-52
58A	2038	1928*/30-30-35	1984*/32-32-37	2002*/33-33-37	2020*/34-34-38
		1957**36-39-42	2037**45-48-51	2060**47-50-53	2082**48-51-54
56A	2083	1969*/32-32-36	2026*/34-34-38	2044*/34-34-39	2063*/35-35-39
		1994**37-40-43	2076**45-48-51	2101**48-52-54	2123**49-52-55
54A	2129	2010*/33-33-38	2068*/35-35-40	2087*/36-36-40	2106*/36-36-41
		2033**37-41-45	2117**46-49-52	2143**49-52-55	2167**50-54-57
52A	2175	2051*/34-34-39	2111*/36-36-41	2130*/37-37-42	2150*/38-38-42
		2071**38-42-46	2158**46-49-52	2184**49-52-55	2210**51-55-58
50A	2220	2092*/35-35-41	2153*/38-38-42	2173*/38-38-43	2193*/39-39-44
		2110**38-42-47	2197**46-49-53	2225**49-52-55	2252**52-55-58
48	2272	2138*/37-37-42	2201*/39-39-44	2222*/40-40-45	2242*/40-40-45
		2152**39-43-47	2241**47-49-53	2270**49-52-56	2298**52-55-59
46	2325	2186*/38-38-44	2250*/40-40-46	2271*/41-41-46	2292*/42-42-47
		2196**39-43-48	2286**47-50-54	2316**50-52-56	2346**52-55-59
44	2382	2236*/39-40-45	2303*/42-42-47	2324*/43-43-48	2345*/43-43-49
		2241**39-45-50	2333**47-51-55	2364**50-52-56	2394**53-55-59
42	2441	2283*/39-41-47	2356*/43-43-49	2378*/44-44-50	2399*/45-45-50
		2287**39-46-51	2381**47-52-56	2413**50-54-58	2444**53-56-60
40	2499	2329*/39-42-48	2408*/45-45-51	2431*/46-46-51	2453*/46-46-52
		2332**39-46-51	2428**47-52-57	2461**50-55-59	2494**53-56-61
38	2554	2372*/39-43-50	2458*/46-46-52	2481*/47-47-53	2504*/48-48-53
		2375**39-46-52	2473**47-52-57	2507**50-55-60	2541**53-58-62
36	2599	2407*/39-44-51	2498*/47-47-53	2521*/48-48-54	2545*/49-49-55
		2409**39-46-52	2510**48-54-59	2544**50-56-61	2579**53-59-63
34	2642	2440*/39-45-52	2535*/48-48-54	2560*/49-49-55	2584*/50-50-56
		2442**39-47-53	2545**48-54-60	2580**51-57-62	2616**53-60-64
32	2678	2469*/39-46-53	2566*/48-49-55	2593*/50-50-56	2618*/51-51-57
			2576**48-55-61	2611**51-58-63	2647**54-60-65
30	2714	2498*/39-47-54	2597*/48-50-56	2626*/51-51-57	2652*/52-52-58
			2606**48-56-61	2642**51-58-64	2680**54-61-66
28	2756	2530F/39-48-55	2632*/49-51-57	2664*/52-52-58	2691*/53-53-59
			2640**48-56-62	2677**51-58-64	2715**54-61-66
26	2797	2554F/40-48-55	2667*/49-52-58	2701*/52-53-59	2729*/54-54-60
			2674**49-57-63	2712**52-59-65	2750**55-61-67
24	2812	2568F/40-49-56	2681*/49-52-59	2715*/52-53-60	2744*/54-54-60
			2688**49-57-63	2726**52-59-65	2765**55-62-67
22	2813	2575F/40-49-56	2685*/49-52-59	2718*/53-53-60	2746*/54-54-60
			2692**49-57-63	2730**52-60-65	2769**55-62-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 05 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2813	2583F/40-49-56	2688*/50-52-59	2721*/53-53-60	2748*/54-54-60
			2696**50-58-64	2734**53-60-66	2773**56-63-68
18	2814	2586*/41-49-56	2691*/50-52-59	2724*/53-53-60	2750*/54-54-60
			2700**50-58-64	2738**53-60-66	2777**56-63-69
16	2815	2589*/41-49-56	2694*/51-52-59	2726*/53-53-60	2752*/54-54-60
			2704**50-59-64	2742**53-61-66	2781**56-64-69
14	2815	2592*/42-49-56	2697*/51-53-59	2727*/53-53-60	2754*/54-54-61
		2593**42-50-57	2708**51-59-65	2746**54-61-67	2785**57-64-69
12	2816	2595*/42-49-57	2700*/52-53-59	2729*/53-53-60	2756*/54-54-61
		2597**42-51-58	2712**51-59-65	2750**54-62-67	2789**57-64-70
10	2816	2598*/42-50-57	2703*/52-53-59	2731*/54-54-60	2757*/54-54-61
		2601**42-51-58	2715**52-59-65	2754**55-62-68	2794**58-65-70
8	2817	2602*/43-50-57	2706*/52-53-59	2733*/54-54-60	2760*/54-54-61
		2605**43-52-58	2720**52-60-66	2759**55-63-68	2798**58-65-70
6	2818	2605*/43-50-57	2709*/53-53-59	2735*/54-54-60	2761*/54-54-61
		2608**43-52-59	2724**52-60-66	2763**56-63-68	2802**59-65-71
4	2818	2608*/44-50-57	2711*/53-53-59	2737*/54-54-60	2763*/54-54-61
		2612**43-53-59	2728**53-61-67	2767**56-64-69	2807**59-66-71
2	2819	2611*/44-50-57	2712*/53-53-60	2739*/54-54-60	2765*/55-55-61
		2616**44-53-60	2732**53-62-67	2771**56-64-69	2811**59-65-71
0	2819	2614*/44-50-57	2714*/53-53-60	2741*/54-54-60	2767*/55-55-61
		2619**44-54-60	2736**54-62-67	2775**57-64-69	2815**60-66-71
-2	2819	2617*/45-50-57	2716*/53-53-60	2742*/54-54-60	2768*/55-55-61
		2623**45-54-60	2740**54-63-68	2779**57-65-70	2819**60-66-71
-4	2820	2620*/45-50-57	2717*/53-53-60	2744*/54-54-60	2770*/55-55-61
		2626**45-54-61	2744**55-63-68	2783**58-65-70	2823**61-66-71
-6	2820	2623*/46-50-57	2719*/53-53-60	2745*/54-54-60	2771*/55-55-61
		2630**46-55-61	2747**55-63-68	2787**58-65-70	2827**61-67-72
-8	2820	2626*/46-50-57	2720*/53-53-60	2747*/54-54-60	2773*/55-55-61
		2633**46-55-62	2751**55-64-69	2791**59-65-70	2831**62-67-72
-10	2820	2628*/47-50-57	2722*/53-53-60	2748*/54-54-60	2774*/55-55-61
		2637**46-56-62	2755**56-64-69	2795**59-65-70	2835**62-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
05	196	4130	0	258	3446	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 23 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR
ELF
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	1998	2053F/30-33-37	2205F/31-33-37	2256F/32-33-37	2307F/32-33-37
		2022**33-37-40	2083**42-46-49	2101**45-49-52	2116**48-53-55
58A	2038	2084F/32-34-38	2234F/33-34-38	2286F/33-34-38	2338F/33-34-38
		2058**34-37-41	2121**43-47-50	2139**46-50-53	2155**49-53-56
56A	2083	2116F/33-36-40	2266F/34-36-40	2318F/34-36-40	2371F/35-36-40
		2097**34-38-42	2160**43-47-50	2178**46-50-53	2195**49-54-56
54A	2129	2146F/34-37-41	2297F/35-37-41	2350F/36-37-41	2404F/36-37-41
		2136**35-38-42	2201**44-48-51	2220**46-51-54	2237**49-54-57
52A	2175	2175F/35-39-43	2329F/36-39-43	2382F/37-39-43	2437F/37-39-43
			2241**44-48-51	2261**47-51-54	2279**50-54-57
50A	2220	2205F/36-39-44	2360F/37-40-44	2414F/38-40-44	2470F/38-40-44
			2281**44-48-52	2302**47-52-55	2321**50-55-58
48	2272	2238F/36-40-45	2395F/39-41-46	2450F/39-41-46	2506F/39-41-46
			2326**44-49-53	2347**47-52-56	2368**50-55-59
46	2325	2272F/36-41-46	2431F/40-43-48	2486F/40-43-48	2543F/40-43-48
			2372**45-49-53	2394**48-52-56	2415**51-56-59
44	2382	2306F/37-42-47	2468F/41-45-50	2524F/41-45-50	2581F/42-45-50
			2420**45-50-54	2443**48-53-57	2465**51-56-60
42	2441	2340F/37-43-49	2504F/42-46-51	2561F/43-46-51	2619F/43-46-51
			2469**45-50-55	2493**48-53-57	2516**51-56-60
40	2499	2374F/38-44-50	2540F/43-48-53	2598F/44-48-53	2658F/44-48-53
			2517**45-50-55	2542**48-53-58	2567**51-57-61
38	2554	2405F/38-45-51	2574F/45-49-55	2633F/45-49-55	2695F/45-49-55
			2563**45-50-56	2589**48-54-59	2615**51-57-62
36	2599	2431F/38-45-51	2601F/45-51-56	2662F/46-51-56	2725F/46-51-56
				2627**48-54-59	2654**51-57-62
34	2642	2456F/39-46-52	2628F/46-51-57	2691F/47-52-57	2755F/47-52-57
				2664**48-54-60	2693**52-57-62
32	2678	2479F/39-46-53	2654F/46-52-58	2717F/47-53-58	2782F/48-53-58
				2696**49-55-60	2725**52-58-63
30	2714	2503F/39-47-54	2680F/46-53-58	2744F/48-54-59	2810F/48-54-59
				2728**49-55-61	2758**52-58-64
28	2756	2529F/39-48-55	2710F/47-53-59	2775F/49-55-60	2841F/49-55-60
				2764**49-55-61	2795**52-59-64
26	2797	2553F/40-48-55	2738F/47-54-60	2803F/49-56-61	2871F/50-56-61
				2800**49-56-62	2830**53-59-65
24	2812	2566F/40-49-56	2753F/47-54-60	2819F/50-56-62	2887F/50-56-62
				2815**50-56-62	2846**53-60-65
22	2813	2574F/40-49-56	2762F/48-54-61	2828F/50-56-62	2896F/50-56-62
				2820**50-57-63	2850**53-60-66

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2404 FT RUNWAY 23 HSFS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF EL FASHIR ELF

777-200 GE90-94B DATED 01-FEB-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2813	2581F/40-49-56	2771F/48-55-61	2837F/50-56-62	2906F/50-56-62
				2824**50-57-63	2855**54-60-66
18	2814	2589F/41-49-56	2779F/48-55-61	2846F/50-56-62	2915F/50-56-62
				2829**51-58-63	2859**54-61-66
16	2815	2597F/41-49-57	2788F/48-55-61	2855F/50-56-62	2924F/50-56-62
				2833**51-58-64	2864**55-61-67
14	2815	2604F/41-50-57	2797F/49-55-62	2865F/50-56-62	2934F/50-56-62
				2838**52-58-64	2868**55-62-67
12	2816	2612F/42-50-57	2806F/49-56-62	2874F/50-56-62	2943F/50-56-62
				2842**52-59-65	2873**55-62-68
10	2816	2620F/42-50-57	2815F/49-56-62	2883F/50-56-62	2953F/50-56-62
				2847**52-59-65	2877**56-63-68
8	2817	2628F/42-50-57	2824F/50-56-62	2893F/50-56-62	2963F/50-56-62
			2820**50-56-62	2852**53-60-65	2882**56-63-68
6	2818	2636F/42-51-58	2833F/50-56-62	2903F/50-56-62	2973F/50-56-62
			2825**50-57-63	2856**53-60-66	2887**57-64-69
4	2818	2644F/43-51-58	2843F/50-56-62	2912F/50-56-62	2982F/51-56-62
			2830**50-57-63	2861**54-61-66	2892**57-64-69
2	2819	2653F/43-51-58	2852F/50-56-62	2922F/50-56-62	2992F/51-56-62
			2834**51-58-64	2866**54-61-67	2896**57-65-70
0	2819	2661F/43-51-58	2862F/50-56-62	2931F/50-56-62	3002F/51-56-62
			2839**51-58-64	2870**55-62-67	2901**58-65-70
-2	2819	2670F/43-52-58	2871F/50-56-62	2941F/50-56-62	3011F/51-56-62
			2843**52-59-64	2875**55-62-67	2906**58-65-71
-4	2820	2678F/44-52-59	2881F/50-56-62	2951F/50-56-62	3021F/51-56-62
			2848**52-59-65	2879**55-63-68	2910**59-66-71
-6	2820	2687F/44-52-59	2890F/50-56-62	2961F/50-56-62	3031F/51-56-62
			2852**52-60-65	2884**56-63-68	2915**59-66-71
-8	2820	2695F/44-52-59	2900F/50-56-62	2971F/50-56-62	3040F/51-56-62
			2857**53-60-66	2888**56-64-69	2919**60-67-72
-10	2820	2704F/45-53-59	2910F/50-56-62	2981F/50-56-62	3050F/51-56-62
			2862**53-61-66	2893**57-64-69	2923**60-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG

MINIMUM FLAP RETRACTION HEIGHT IS 410 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2959 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY

RUNWAY SLOPES ARE 0.03 PERCENT FOR TODA AND 0.03 PERCENT FOR ASDA

LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
23	NONE								

ENG-OUT PROCEDURE:

NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2357F/45-48-51	2511F/46-48-51	2565F/46-48-51	2621F/46-48-51
		2300**50-54-57	2357**59-64-66	2372**62-67-69	2385**65-70-72
58A	2299	2387F/46-49-53	2545F/47-49-53	2599F/47-49-53	2656F/47-49-53
		2339**50-55-58	2399**59-64-67	2415**62-67-70	2430**65-70-73
56A	2346	2419F/47-51-54	2579F/48-51-54	2635F/48-51-54	2693F/49-51-54
		2379**50-55-59	2442**60-65-67	2459**63-68-70	2475**66-71-74
54	2399	2453F/48-52-56	2615F/49-52-56	2673F/50-52-56	2733F/50-52-56
		2424**50-56-59	2489**60-65-68	2508**63-68-71	2524**66-71-74
52	2459	2490F/49-54-58	2655F/51-54-58	2714F/51-54-58	2776F/51-54-58
		2473**51-56-60	2541**60-65-69	2561**63-69-72	2578**66-72-75
50	2518	2526F/50-56-60	2696F/52-56-60	2756F/52-56-60	2818F/53-56-60
		2522**51-56-60	2592**60-66-69	2613**63-69-72	2633**67-72-75
48	2578	2563F/51-57-61	2737F/53-58-62	2798F/54-58-62	2860F/54-58-62
			2645**60-66-70	2668**63-69-73	2689**67-73-76
46	2638	2600F/51-58-63	2777F/55-59-64	2839F/55-59-64	2903F/55-59-64
			2698**60-67-70	2721**64-70-73	2744**67-73-77
44	2701	2639F/51-59-64	2819F/56-61-65	2883F/56-61-65	2947F/57-61-65
			2752**60-67-71	2777**64-70-74	2801**67-74-77
42	2772	2678F/52-60-65	2862F/57-63-67	2927F/57-63-67	2992F/58-63-67
			2811**60-67-72	2838**64-71-75	2862**67-74-78
40	2843	2717F/52-61-66	2904F/58-64-69	2969F/58-64-69	3033F/59-64-69
			2870**60-68-72	2897**63-71-75	2923**67-74-78
38	2904	2750F/52-61-67	2940F/59-66-71	3005F/59-66-71	3070F/60-66-71
			2920**60-68-73	2949**63-71-76	2977**67-74-79
36	2957	2779F/52-62-68	2972F/59-67-72	3036F/60-67-72	3102F/61-67-72
			2964**60-68-73	2994**63-71-76	3022**67-75-79
34	3006	2808F/52-63-69	3002F/60-68-74	3067F/61-69-74	3133F/62-69-74
				3035**63-72-76	3064**67-75-80
32	3049	2836F/52-63-70	3031F/60-69-74	3095F/62-70-75	3162F/62-70-75
				3071**63-72-77	3101**67-75-80
30	3091	2864F/53-64-70	3059F/60-70-75	3124F/62-71-76	3175F/63-71-76
				3107**64-72-78	3138**67-76-81
28	3094	2873F/53-64-71	3069F/61-70-76	3134F/63-71-76	3175F/63-71-76
				3113**64-73-78	3145**67-76-81
26	3096	2882F/53-64-71	3078F/61-70-76	3144F/63-71-76	3175F/63-71-76
				3118**64-73-78	3150**68-77-82
24	3097	2891F/53-65-71	3087F/61-71-76	3154F/63-71-76	3175F/64-71-76
				3124**65-74-79	3155**68-77-82
22	3098	2900F/54-65-71	3096F/62-71-76	3163F/63-71-76	3175F/64-71-76
				3129**65-74-79	3160**69-78-82

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2909F/54-65-71	3106F/62-71-76	3173F/63-71-76	3175F/64-71-76
			3103**62-71-77	3135**66-75-80	3165**69-78-83
18	3101	2918F/54-65-72	3115F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3108**63-72-77	3140**66-75-80	3171**70-79-83
16	3102	2927F/55-66-72	3125F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3113**63-72-77	3145**67-76-81	3175**70-79-84
14	3104	2937F/55-66-72	3135F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3119**63-73-78	3151**67-76-81	3175**70-79-84
12	3105	2946F/55-66-72	3145F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3124**64-73-78	3156**67-77-81	3175**70-79-83
10	3107	2956F/55-67-73	3155F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3130**64-74-79	3162**68-77-82	3175**70-79-83
8	3108	2965F/56-67-73	3165F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3135**65-74-79	3167**68-78-82	3175**70-78-83
6	3109	2975F/56-67-73	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3141**65-75-80	3172**69-78-83	3175**70-78-83
4	3110	2985F/56-67-73	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3146**66-75-80	3175**69-78-83	3175**70-78-83
2	3111	2994F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3151**66-76-81	3175**69-78-83	3175**70-78-83
0	3112	3003F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3156**67-76-81	3175**69-78-83	3175**70-78-83
-2	3112	3012F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3161**67-77-81	3175**69-78-83	3175**70-78-83
-4	3113	3021F/58-69-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3166**68-77-82	3175**69-78-83	3175**70-78-83
-6	3113	3031F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3171**68-78-82	3175**69-78-83	3175**70-78-83
-8	3114	3040F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83
-10	3114	3050F/59-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2415F/45-48-51	2573F/46-48-51	2628F/46-48-51	2686F/46-48-51
		2323**53-58-61	2375**62-67-70	2387**66-71-73	2393**67-72-74
58A	2299	2447F/46-49-53	2606F/47-49-53	2663F/47-49-53	2722F/47-49-53
		2363**53-58-61	2418**63-68-70	2432**66-71-74	2442**69-74-76
56A	2346	2479F/47-51-54	2641F/48-51-54	2700F/48-51-54	2759F/49-51-54
		2404**53-59-62	2462**63-68-71	2477**66-72-74	2489**69-75-77
54	2399	2514F/48-52-56	2679F/49-52-56	2738F/50-52-56	2799F/50-52-56
		2450**54-59-62	2510**63-69-71	2526**66-72-75	2539**70-75-78
52	2459	2551F/49-54-58	2720F/51-54-58	2781F/51-54-58	2843F/51-54-58
		2500**54-60-63	2563**63-69-72	2580**66-72-75	2596**70-76-78
50	2518	2589F/50-56-60	2762F/52-56-60	2823F/52-56-60	2886F/53-56-60
		2550**54-60-64	2616**63-70-73	2635**67-73-76	2652**70-76-79
48	2578	2627F/52-58-62	2804F/53-58-62	2866F/54-58-62	2930F/54-58-62
		2600**54-60-64	2671**63-70-73	2691**67-73-76	2710**70-76-79
46	2638	2665F/53-59-64	2846F/55-59-64	2908F/55-59-64	2973F/55-59-64
		2650**54-61-65	2724**63-70-74	2746**67-73-77	2767**70-77-80
44	2701	2706F/54-61-65	2889F/56-61-65	2952F/56-61-65	3016F/57-61-65
		2703**54-61-66	2780**63-71-74	2803**67-74-77	2824**70-77-81
42	2772	2747F/54-62-67	2933F/57-63-67	2997F/57-63-67	3059F/58-63-67
			2841**63-71-75	2865**67-74-78	2887**70-77-81
40	2843	2787F/54-63-68	2976F/58-64-69	3039F/58-64-69	3102F/59-64-69
			2900**63-71-75	2926**66-74-78	2951**70-78-82
38	2904	2821F/54-64-69	3012F/59-66-71	3075F/59-66-71	3139F/60-66-71
			2952**63-71-76	2980**66-75-79	3005**70-78-82
36	2957	2852F/54-64-70	3043F/59-67-72	3107F/60-67-72	3173F/61-67-72
			2997**63-72-76	3025**66-75-79	3052**70-78-82
34	3006	2881F/54-65-71	3073F/60-69-74	3138F/61-69-74	3175F/62-69-74
			3038**63-72-77	3067**66-75-80	3095**70-79-83
32	3049	2903B/54-65-71	3102F/61-70-75	3167F/62-70-75	3175F/63-70-75
			3074**63-72-77	3104**66-76-80	3133**70-79-83
30	3091	2925B/53-66-72	3130F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3110**63-73-78	3141**67-76-81	3170**70-79-84
28	3094	2935B/54-66-72	3141F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3116**63-73-78	3147**67-76-81	3175**71-80-84
26	3096	2944B/54-66-72	3150F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3122**64-74-79	3152**67-77-82	3175**71-79-84
24	3097	2954B/54-67-73	3160F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3127**64-74-79	3157**68-77-82	3175**71-79-84
22	3098	2963B/55-67-73	3169F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3132**65-75-80	3163**68-78-83	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2973B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3138**65-75-80	3168**69-78-83	3175**70-79-84
18	3101	2982B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3143**66-75-80	3173**69-79-84	3175**70-79-84
16	3102	2992B/56-68-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3148**66-76-81	3175**70-79-84	3175**70-79-84
14	3104	3001B/56-68-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3153**66-76-81	3175**70-79-84	3175**70-79-84
12	3105	3011B/56-68-74	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3159**67-77-82	3175**69-79-83	3175**70-79-83
10	3107	3021B/57-69-74	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3164**67-77-82	3175**69-79-83	3175**70-79-83
8	3108	3030B/57-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3170**68-78-83	3175**69-78-83	3175**70-78-83
6	3109	3040B/57-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
4	3110	3050B/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
2	3111	3060B/58-70-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
0	3112	3069B/58-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-2	3112	3079B/59-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-4	3113	3089B/59-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-6	3113	3099B/60-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83
-8	3114	3109B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**70-78-83	3175**70-78-83
-10	3114	3114B/61-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3117**61-72-77	3175**69-78-83	3175**70-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2417F/45-48-51	2575F/46-48-51	2630F/46-48-51	2687F/46-48-51
		2324**53-58-61	2376**62-68-70	2388**66-71-73	2393**67-72-74
58A	2299	2448F/46-49-53	2608F/47-49-53	2665F/47-49-53	2724F/47-49-53
		2364**53-58-61	2418**63-68-70	2432**66-71-74	2442**69-74-76
56A	2346	2481F/47-51-54	2642F/48-51-54	2701F/48-51-54	2761F/49-51-54
		2405**53-59-62	2462**63-68-71	2477**66-72-74	2490**69-75-77
54	2399	2515F/48-52-56	2680F/49-52-56	2740F/50-52-56	2801F/50-52-56
		2451**54-59-63	2510**63-69-72	2526**66-72-75	2539**70-75-78
52	2459	2553F/49-54-58	2722F/51-54-58	2782F/51-54-58	2845F/51-54-58
		2500**54-60-63	2564**63-69-72	2581**66-72-75	2596**70-76-78
50	2518	2590F/50-56-60	2763F/52-56-60	2825F/52-56-60	2888F/53-56-60
		2550**54-60-64	2616**63-70-73	2635**67-73-76	2652**70-76-79
48	2578	2628F/51-58-62	2805F/53-58-62	2867F/54-58-62	2931F/54-58-62
		2601**54-60-64	2671**63-70-73	2692**67-73-76	2710**70-76-80
46	2638	2666F/53-59-64	2847F/54-59-64	2910F/55-59-64	2974F/55-59-64
		2651**54-61-65	2725**63-70-74	2747**67-74-77	2767**70-77-80
44	2701	2707F/54-61-65	2891F/56-61-65	2954F/56-61-65	3017F/56-61-65
		2704**54-61-66	2780**63-71-74	2804**67-74-78	2825**70-77-81
42	2772	2748F/54-62-67	2935F/57-63-67	2998F/57-63-67	3061F/58-63-67
			2841**63-71-75	2865**67-74-78	2888**70-78-81
40	2843	2788F/54-63-68	2977F/58-64-69	3040F/58-64-69	3103F/59-64-69
			2901**63-71-75	2927**66-75-79	2951**70-78-82
38	2904	2823F/54-64-69	3013F/59-66-71	3077F/59-66-71	3141F/60-66-71
			2953**63-71-76	2980**66-75-79	3005**70-78-82
36	2957	2853F/54-64-70	3044F/59-67-72	3109F/60-67-72	3174F/61-67-72
			2998**63-72-76	3026**66-75-79	3053**70-78-83
34	3006	2882B/54-65-71	3074F/60-69-74	3140F/61-69-74	3175F/62-69-74
			3038**63-72-77	3067**66-75-80	3096**70-79-83
32	3049	2904B/54-65-71	3103F/61-70-75	3169F/62-70-75	3175F/62-70-75
			3075**63-72-77	3105**66-76-80	3134**70-79-84
30	3091	2926B/53-66-72	3132F/62-71-76	3175F/62-71-76	3175F/63-71-76
			3110**63-73-78	3141**67-76-81	3171**70-79-84
28	3094	2936B/54-66-72	3142F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3117**63-73-78	3148**67-77-81	3175**71-80-84
26	3096	2945B/54-66-72	3151F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3122**64-74-79	3153**67-77-82	3175**71-79-84
24	3097	2954B/54-67-73	3161F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3127**64-74-79	3158**68-77-82	3175**70-79-84
22	3098	2964B/55-67-73	3171F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3133**65-75-80	3163**68-78-83	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2973B/55-67-73	3175F/62-71-76 3138**65-75-80	3175F/63-71-76 3169**69-78-83	3175F/64-71-76 3175**70-79-84
18	3101	2983B/55-67-73	3175F/62-71-76 3144**66-76-80	3175F/63-71-76 3174**69-79-84	3175F/64-71-76 3175**70-79-84
16	3102	2992B/55-68-73	3175F/62-71-76 3149**66-76-81	3175F/63-71-76 3175**70-79-84	3175F/64-71-76 3175**70-79-84
14	3104	3002B/56-68-74	3175F/62-71-76 3154**66-76-81	3175F/63-71-76 3175**69-79-84	3175F/64-71-76 3175**70-79-84
12	3105	3012B/56-68-74	3175F/62-71-77 3160**67-77-82	3175F/63-71-77 3175**69-79-83	3175F/64-71-77 3175**70-79-83
10	3107	3021B/57-69-74	3175F/63-71-77 3165**67-77-82	3175F/63-71-77 3175**69-79-83	3175F/64-71-77 3175**70-79-83
8	3108	3031B/57-69-75	3175F/63-71-77 3170**68-78-83	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
6	3109	3041B/57-69-75	3175F/63-71-77 3175**68-78-83	3175F/64-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
4	3110	3050B/58-69-75	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
2	3111	3060B/58-70-75	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83
0	3112	3070B/58-70-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-2	3112	3080B/59-70-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-4	3113	3090B/59-71-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-6	3113	3100B/60-71-76	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-8	3114	3110B/60-71-77	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**69-78-83	3175F/65-71-77 3175**70-78-83
-10	3114	3114B/60-71-77 3117**60-72-77	3175F/63-71-77 3175**69-78-83	3175F/64-71-77 3175**70-78-83	3175F/65-71-77 3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2358F/45-48-51	2513F/46-48-51	2567F/46-48-51	2623F/46-48-51
		2300**50-55-57	2357**59-64-66	2373**62-67-69	2385**65-70-72
58A	2299	2389F/46-49-53	2547F/47-49-53	2601F/47-49-53	2658F/47-49-53
		2339**50-55-58	2400**59-64-67	2416**62-67-70	2430**66-71-73
56A	2346	2421F/47-51-54	2581F/48-51-54	2637F/48-51-54	2695F/49-51-54
		2380**50-55-59	2442**60-65-67	2460**63-68-71	2475**66-71-74
54	2399	2454F/48-52-56	2617F/49-52-56	2675F/49-52-56	2735F/50-52-56
		2424**51-56-59	2489**60-65-68	2508**63-68-71	2524**66-72-74
52	2459	2491F/49-54-58	2657F/51-54-58	2716F/51-54-58	2778F/51-54-58
		2474**51-56-60	2542**60-66-69	2561**63-69-72	2579**67-72-75
50	2518	2528F/50-56-60	2698F/52-56-60	2758F/52-56-60	2820F/53-56-60
		2522**51-56-60	2593**60-66-69	2614**63-69-72	2633**67-72-75
48	2578	2565F/51-57-61	2738F/53-58-62	2800F/54-58-62	2862F/54-58-62
			2645**60-66-70	2669**63-70-73	2689**67-73-76
46	2638	2602F/51-58-63	2779F/54-59-64	2841F/55-59-64	2905F/55-59-64
			2698**60-67-70	2722**64-70-74	2744**67-73-77
44	2701	2640F/51-59-64	2821F/56-61-65	2885F/56-61-65	2949F/56-61-65
			2753**60-67-71	2778**64-70-74	2802**67-74-77
42	2772	2680F/52-60-65	2864F/57-63-67	2929F/57-63-67	2994F/58-63-67
			2812**60-67-72	2838**64-71-75	2863**67-74-78
40	2843	2718F/52-61-66	2906F/58-64-69	2971F/58-64-69	3035F/59-64-69
			2871**60-68-72	2898**63-71-75	2924**67-74-78
38	2904	2752F/52-61-67	2942F/59-66-71	3007F/59-66-71	3072F/60-66-71
			2921**60-68-73	2950**63-71-76	2978**67-74-79
36	2957	2781F/52-62-68	2974F/59-67-72	3038F/60-67-72	3104F/61-67-72
			2965**60-68-73	2995**63-71-76	3023**67-75-79
34	3006	2810F/52-63-69	3004F/60-68-74	3069F/61-69-74	3135F/62-69-74
				3035**63-72-77	3065**67-75-80
32	3049	2838F/52-63-70	3032F/60-69-74	3097F/62-70-75	3164F/62-70-75
				3072**63-72-77	3102**67-75-80
30	3091	2865F/53-64-70	3060F/60-70-75	3126F/62-71-76	3175F/63-71-76
				3107**64-73-78	3139**67-76-81
28	3094	2875F/53-64-71	3070F/61-70-76	3136F/63-71-76	3175F/63-71-76
				3114**64-73-78	3145**67-76-81
26	3096	2884F/53-65-71	3080F/61-70-76	3146F/63-71-76	3175F/63-71-76
				3119**64-73-79	3150**68-77-82
24	3097	2893F/53-65-71	3089F/61-71-76	3155F/63-71-76	3175F/63-71-76
				3125**65-74-79	3156**68-77-82
22	3098	2902F/54-65-71	3098F/62-71-76	3165F/63-71-76	3175F/64-71-76
				3130**65-74-79	3161**69-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2911F/54-65-71	3108F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3104**62-71-77	3135**66-75-80	3166**69-78-83
18	3101	2920F/54-66-72	3117F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3109**63-72-77	3141**66-75-80	3171**70-79-83
16	3102	2929F/54-66-72	3127F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3114**63-72-78	3146**67-76-81	3175**70-79-84
14	3104	2938F/55-66-72	3137F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3119**63-73-78	3152**67-76-81	3175**70-79-84
12	3105	2948F/55-66-72	3147F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3125**64-73-78	3157**67-77-82	3175**70-79-83
10	3107	2957F/55-67-73	3157F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3131**64-74-79	3163**68-77-82	3175**70-79-83
8	3108	2967F/56-67-73	3167F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3136**65-74-79	3168**68-78-82	3175**70-78-83
6	3109	2977F/56-67-73	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3142**65-75-80	3173**69-78-83	3175**70-78-83
4	3110	2986F/56-67-73	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3147**66-75-80	3175**69-78-83	3175**70-78-83
2	3111	2995F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3152**66-76-81	3175**69-78-83	3175**70-78-83
0	3112	3005F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3157**67-76-81	3175**69-78-83	3175**70-78-83
-2	3112	3014F/57-68-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3162**67-77-82	3175**69-78-83	3175**70-78-83
-4	3113	3023F/58-69-74	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3167**68-77-82	3175**69-78-83	3175**70-78-83
-6	3113	3032F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3172**68-78-83	3175**69-78-83	3175**70-78-83
-8	3114	3042F/58-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-10	3114	3052F/59-69-75	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2253	2418F/45-48-51	2576F/46-48-51	2631F/46-48-51	2689F/46-48-51
		2324**53-58-61	2376**62-68-70	2388**66-71-73	2393**67-72-74
58A	2299	2449F/46-49-53	2609F/47-49-53	2666F/47-49-53	2725F/47-49-53
		2364**53-59-61	2419**63-68-70	2433**66-71-74	2442**69-74-76
56A	2346	2482F/47-51-54	2643F/48-51-54	2702F/48-51-54	2763F/49-51-54
		2405**53-59-62	2462**63-68-71	2478**66-72-74	2490**69-75-77
54	2399	2516F/48-52-56	2681F/49-52-56	2741F/49-52-56	2803F/50-52-56
		2451**54-59-63	2511**63-69-72	2527**66-72-75	2540**70-75-78
52	2459	2554F/49-54-58	2723F/51-54-58	2784F/51-54-58	2846F/51-54-58
		2501**54-60-63	2564**63-69-72	2581**66-72-75	2596**70-76-79
50	2518	2591F/50-56-60	2765F/52-56-60	2826F/52-56-60	2889F/53-56-60
		2551**54-60-64	2617**63-70-73	2636**67-73-76	2652**70-76-79
48	2578	2629F/51-58-62	2807F/53-58-62	2869F/54-58-62	2933F/54-58-62
		2601**54-61-64	2671**63-70-73	2692**67-73-76	2710**70-77-80
46	2638	2668F/52-59-64	2849F/54-59-64	2911F/55-59-64	2976F/55-59-64
		2651**54-61-65	2725**63-70-74	2747**67-74-77	2768**70-77-80
44	2701	2708F/53-61-65	2892F/55-61-65	2955F/56-61-65	3019F/56-61-65
		2705**54-61-66	2781**63-71-75	2804**67-74-78	2825**70-77-81
42	2772	2749F/54-62-67	2936F/57-63-67	3000F/57-63-67	3062F/58-63-67
			2842**63-71-75	2866**67-74-78	2888**70-78-81
40	2843	2789F/54-63-68	2979F/58-64-69	3042F/58-64-69	3105F/59-64-69
			2901**63-71-76	2927**66-75-79	2952**70-78-82
38	2904	2824F/54-64-69	3014F/59-66-71	3078F/59-66-71	3142F/60-66-71
			2953**63-72-76	2981**66-75-79	3006**70-78-82
36	2957	2854F/54-64-70	3045F/59-67-72	3110F/60-67-72	3175F/61-67-72
			2999**63-72-76	3026**66-75-79	3053**70-78-83
34	3006	2883B/54-65-71	3076F/60-69-74	3141F/61-69-74	3175F/62-69-74
			3039**63-72-77	3068**66-75-80	3097**70-79-83
32	3049	2904B/54-65-71	3105F/61-70-75	3170F/62-70-75	3175F/62-70-75
			3075**63-72-77	3105**66-76-81	3134**70-79-84
30	3091	2926B/53-66-72	3133F/62-71-76	3175F/62-71-76	3175F/63-71-76
			3111**63-73-78	3142**67-76-81	3172**70-80-84
28	3094	2936B/53-66-72	3143F/62-71-76	3175F/62-71-76	3175F/63-71-76
			3118**63-73-78	3148**67-77-82	3175**70-80-84
26	3096	2945B/54-66-72	3153F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3123**64-74-79	3154**67-77-82	3175**70-79-84
24	3097	2955B/54-67-73	3162F/62-71-76	3175F/63-71-76	3175F/63-71-76
			3128**64-74-79	3159**68-78-82	3175**70-79-84
22	3098	2964B/54-67-73	3172F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3133**65-75-80	3164**68-78-83	3175**70-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3100	2974B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3139**65-75-80	3169**69-78-83	3175**70-79-84
18	3101	2984B/55-67-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3144**66-76-81	3174**69-79-84	3175**70-79-84
16	3102	2993B/55-68-73	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3149**66-76-81	3175**69-79-84	3175**70-79-84
14	3104	3002B/56-68-74	3175F/62-71-76	3175F/63-71-76	3175F/64-71-76
			3155**66-77-81	3175**69-79-84	3175**70-79-84
12	3105	3012B/56-68-74	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3160**67-77-82	3175**69-79-83	3175**70-79-83
10	3107	3022B/56-69-74	3175F/62-71-77	3175F/63-71-77	3175F/64-71-77
			3166**67-77-82	3175**69-79-83	3175**70-79-83
8	3108	3031B/57-69-75	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3171**68-78-83	3175**69-78-83	3175**70-78-83
6	3109	3041B/57-69-75	3175F/63-71-77	3175F/63-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
4	3110	3051B/57-69-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
2	3111	3061B/58-70-75	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
0	3112	3071B/58-70-76	3175F/63-71-77	3175F/64-71-77	3175F/64-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
-2	3112	3080B/59-70-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**68-78-83	3175**69-78-83	3175**70-78-83
-4	3113	3090B/59-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-6	3113	3100B/59-71-76	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-8	3114	3110B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
			3175**69-78-83	3175**69-78-83	3175**70-78-83
-10	3114	3114B/60-71-77	3175F/63-71-77	3175F/64-71-77	3175F/65-71-77
		3117**60-72-77	3175**69-78-83	3175**69-78-83	3175**70-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2449F/35-38-43	2614F/36-38-43	2672F/37-38-43	2732F/37-38-43
		2282**50-56-59	2295**53-58-61	2295**53-58-61	2295**54-58-61
58A	2209	2481F/36-40-44	2649F/37-40-44	2709F/38-40-44	2770F/38-40-44
		2323**50-56-59	2342**54-60-63	2342**55-60-63	2342**55-60-63
56A	2256	2515F/37-41-46	2686F/38-41-46	2748F/39-41-46	2810F/39-41-46
		2364**50-57-60	2390**56-61-64	2390**56-61-64	2390**56-61-64
54	2308	2550F/38-42-47	2725F/39-42-47	2788F/40-42-47	2852F/40-42-47
		2410**50-57-60	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2588F/40-44-49	2768F/41-44-49	2832F/41-44-49	2898F/41-44-49
		2460**50-57-61	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2626F/41-46-51	2810F/42-46-51	2875F/42-46-51	2942F/43-46-51
		2510**50-58-62	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2665F/42-47-53	2853F/43-47-53	2918F/44-47-53	2986F/44-47-53
		2560**50-58-62	2623**60-68-71	2628**62-69-72	2628**62-69-72
46	2539	2705F/43-49-54	2895F/44-49-54	2962F/45-49-54	3027F/45-49-54
		2610**50-58-63	2677**60-68-72	2691**63-71-74	2691**64-71-74
44	2600	2747F/44-51-56	2940F/46-51-56	3005F/46-51-56	3071F/46-51-56
		2663**50-59-63	2734**60-68-72	2754**64-72-76	2757**65-72-76
42	2667	2788F/45-52-58	2985F/47-52-58	3049F/47-52-58	3115F/48-52-58
		2720**50-59-64	2795**60-69-73	2817**64-72-76	2831**66-74-78
40	2735	2828F/46-54-60	3025F/48-54-60	3091F/49-54-60	3158F/49-54-60
		2777**50-59-64	2856**60-69-73	2880**63-72-76	2901**67-76-80
38	2792	2863F/47-55-61	3061F/49-55-61	3128F/50-55-61	3175F/50-55-61
		2824**50-59-64	2908**60-69-74	2933**63-72-77	2956**67-76-80
36	2841	2893F/48-56-63	3092F/50-56-63	3160F/50-56-63	3175F/51-56-63
		2865**49-59-65	2953**60-69-74	2980**63-72-77	3005**67-76-80
34	2886	2923F/48-58-64	3122F/51-58-64	3175F/51-58-64	3175F/52-58-64
		2904**49-59-65	2994**60-69-74	3022**63-73-77	3048**67-76-81
32	2927	2952F/49-58-65	3152F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2939**49-60-66	3031**60-70-75	3059**63-73-78	3085**67-77-81
30	2967	2980F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		2974**49-60-66	3066**60-70-75	3095**64-73-79	3123**67-77-82
28	2971	2990F/49-59-66	3175F/52-59-66	3175F/53-59-66	3175F/53-59-66
		2980**50-60-67	3073**60-71-76	3102**64-74-79	3129**67-77-82
26	2972	2999F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2985**50-61-67	3077**61-71-76	3107**64-74-79	3134**68-78-83
24	2973	3007F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2990**51-61-67	3082**61-71-77	3112**65-75-80	3139**68-78-83
22	2975	3016F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2995**51-62-68	3087**62-72-77	3116**65-75-80	3143**69-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 01 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3025F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3000**51-62-68	3092**62-72-78	3121**66-76-81	3148**69-79-84
18	2977	3034F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3005**52-63-69	3097**63-73-78	3126**66-76-81	3153**70-80-85
16	2978	3044F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3010**52-63-69	3102**63-73-78	3131**67-77-82	3158**70-80-85
14	2980	3053F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3015**53-63-69	3108**63-74-79	3136**67-77-82	3162**71-81-86
12	2982	3062F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3021**53-64-70	3113**64-74-79	3141**67-78-83	3167**71-81-86
10	2983	3072F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3026**53-64-70	3118**64-75-80	3146**68-78-83	3172**72-82-87
8	2984	3081F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3031**54-65-71	3123**65-75-80	3151**68-79-84	3175**72-82-87
6	2985	3090F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3037**54-65-71	3128**65-76-81	3156**69-79-84	3175**72-82-87
4	2986	3100F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3041**55-66-71	3133**66-76-81	3161**69-80-85	3175**72-82-87
2	2987	3109F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3046**55-66-72	3137**66-77-82	3165**70-80-85	3175**72-82-87
0	2988	3119F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3051**56-67-72	3142**67-77-82	3169**70-81-86	3175**72-82-86
-2	2988	3128F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3056**56-67-73	3146**67-78-83	3174**71-81-86	3175**72-82-86
-4	2989	3138F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3060**56-68-73	3151**68-78-83	3175**71-82-86	3175**72-82-86
-6	2989	3147F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3065**57-68-74	3156**68-79-84	3175**71-82-86	3175**72-82-86
-8	2990	3157F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3070**57-69-74	3160**69-79-84	3175**71-82-86	3175**72-82-86
-10	2990	3167F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3075**58-69-75	3165**69-80-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2510F/35-38-43	2680F/36-38-43	2740F/37-38-43	2802F/37-38-43
		2295**52-58-61	2295**53-58-61	2295**53-58-61	2295**54-58-61
58A	2209	2543F/36-40-44	2716F/37-40-44	2777F/38-40-44	2841F/38-40-44
		2342**53-60-63	2342**54-60-63	2342**55-60-63	2342**55-60-63
56A	2256	2577F/37-41-46	2754F/38-41-46	2816F/39-41-46	2880F/39-41-46
		2385**53-60-63	2390**56-61-64	2390**56-61-64	2390**56-61-64
54	2308	2613F/38-42-47	2793F/39-42-47	2857F/40-42-47	2921F/40-42-47
		2432**53-61-64	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2653F/40-44-49	2837F/41-44-49	2901F/41-44-49	2967F/41-44-49
		2483**54-61-64	2505**59-65-68	2505**59-65-68	2505**59-65-68
50	2422	2694F/41-46-51	2880F/42-46-51	2946F/42-46-51	3011F/43-46-51
		2534**54-61-65	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2734F/42-47-53	2923F/43-47-53	2990F/44-47-53	3054F/44-47-53
		2586**54-62-66	2628**61-69-72	2628**62-69-72	2628**62-69-72
46	2539	2775F/43-49-54	2967F/44-49-54	3031F/45-49-54	3097F/45-49-54
		2637**54-62-66	2691**63-71-74	2691**63-71-74	2691**64-71-74
44	2600	2817F/44-51-56	3011F/46-51-56	3075F/46-51-56	3141F/46-51-56
		2692**53-62-67	2757**64-72-76	2757**64-72-76	2757**65-72-76
42	2667	2860F/45-52-58	3054F/47-52-58	3119F/47-52-58	3175F/48-52-58
		2750**53-62-67	2819**63-72-76	2831**66-74-78	2831**66-74-78
40	2735	2901F/46-54-60	3096F/48-54-60	3162F/49-54-60	3175F/49-54-60
		2808**53-63-67	2882**63-72-77	2903**67-76-80	2905**68-76-80
38	2792	2937F/47-55-61	3133F/49-55-61	3175F/50-55-61	3175F/50-55-61
		2857**53-63-68	2936**63-73-77	2959**66-76-80	2971**69-78-82
36	2841	2968F/48-56-63	3165F/50-56-63	3175F/50-56-63	3175F/51-56-63
		2899**52-63-68	2983**63-73-77	3007**66-76-81	3029**70-80-84
34	2886	2998F/48-58-64	3175F/51-58-64	3175F/51-58-64	3175F/52-58-64
		2939**52-63-69	3025**63-73-78	3050**66-76-81	3074**70-80-84
32	2927	3026F/49-58-65	3175F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2975**52-63-69	3062**63-73-78	3088**67-77-82	3112**70-80-85
30	2967	3054F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3007**52-64-69	3098**63-74-79	3125**67-77-82	3151**70-81-85
28	2971	3063F/49-59-66	3175F/52-59-66	3175F/53-59-66	3175F/53-59-66
		3014**52-64-70	3105**63-74-79	3131**67-78-83	3157**71-81-86
26	2972	3072F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3019**53-64-70	3109**64-75-80	3136**68-78-83	3161**71-82-86
24	2973	3081F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3024**53-65-71	3114**64-75-80	3141**68-79-83	3166**72-82-87
22	2975	3090F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3029**54-65-71	3119**65-76-81	3146**68-79-84	3170**72-83-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3099F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3035**54-66-72	3124**65-76-81	3151**69-80-84	3175**73-83-88
18	2977	3109F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3040**55-66-72	3128**66-77-82	3155**69-80-85	3175**73-83-88
16	2978	3118F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3045**55-67-72	3133**66-77-82	3160**70-81-85	3175**73-83-87
14	2980	3127F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3050**56-67-73	3138**67-78-82	3164**70-81-86	3175**73-83-87
12	2982	3137F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3056**56-68-73	3143**67-78-83	3169**71-82-86	3175**72-82-87
10	2983	3146F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3061**56-68-74	3148**68-79-83	3174**71-82-87	3175**72-82-87
8	2984	3156F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3066**57-69-74	3154**68-79-84	3175**72-82-87	3175**72-82-87
6	2985	3166F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3071**57-69-75	3159**68-80-84	3175**71-82-87	3175**72-82-87
4	2986	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3076**58-70-75	3163**69-80-85	3175**71-82-87	3175**72-82-87
2	2987	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3081**58-70-75	3167**69-81-85	3175**71-82-87	3175**72-82-87
0	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3086**59-71-76	3171**70-81-86	3175**71-82-86	3175**72-82-86
-2	2988	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3091**59-71-76	3175**70-82-86	3175**71-82-86	3175**72-82-86
-4	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3095**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-6	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3100**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-8	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3104**61-73-78	3175**71-82-86	3175**71-82-86	3175**72-82-86
-10	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3109**61-73-78	3175**71-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.02 PERCENT FOR TODA AND 0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2512F/35-38-43	2682F/36-38-43	2742F/37-38-43	2804F/37-38-43
		2295**52-58-61	2295**53-58-61	2295**53-58-61	2295**53-58-61
58A	2209	2544F/36-40-44	2718F/37-40-44	2779F/38-40-44	2842F/38-40-44
		2342**53-60-63	2342**54-60-63	2342**55-60-63	2342**55-60-63
56A	2256	2578F/37-41-46	2755F/38-41-46	2817F/39-41-46	2881F/39-41-46
		2385**53-60-64	2390**56-61-64	2390**56-61-64	2390**56-61-64
54	2308	2614F/38-42-47	2795F/39-42-47	2858F/40-42-47	2923F/40-42-47
		2432**53-61-64	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2654F/40-44-49	2838F/41-44-49	2903F/41-44-49	2969F/41-44-49
		2483**54-61-65	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2695F/41-46-51	2882F/42-46-51	2947F/42-46-51	3012F/43-46-51
		2535**54-61-65	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2736F/42-47-53	2925F/43-47-53	2991F/44-47-53	3055F/44-47-53
		2586**54-62-66	2628**61-69-72	2628**62-69-72	2628**62-69-72
46	2539	2776F/43-49-54	2968F/44-49-54	3033F/45-49-54	3098F/45-49-54
		2637**54-62-66	2691**63-71-74	2691**63-71-74	2691**64-71-74
44	2600	2819F/44-51-56	3012F/46-51-56	3076F/46-51-56	3142F/46-51-56
		2692**53-62-67	2757**64-72-76	2757**64-72-76	2757**65-72-76
42	2667	2861F/45-52-58	3055F/47-52-58	3121F/47-52-58	3175F/48-52-58
		2751**53-63-67	2820**63-72-76	2831**66-74-78	2831**66-74-78
40	2735	2902F/46-54-60	3098F/48-54-60	3164F/48-54-60	3175F/49-54-60
		2809**53-63-68	2882**63-73-77	2904**67-76-80	2905**68-76-80
38	2792	2938F/47-55-61	3134F/49-55-61	3175F/49-55-61	3175F/50-55-61
		2858**53-63-68	2936**63-73-77	2959**66-76-80	2971**69-78-82
36	2841	2969F/48-56-63	3167F/50-56-63	3175F/50-56-63	3175F/51-56-63
		2900**52-63-68	2983**63-73-77	3008**66-76-81	3029**70-80-84
34	2886	2999F/48-58-64	3175F/50-58-64	3175F/51-58-64	3175F/51-58-64
		2939**52-63-69	3025**63-73-78	3051**66-77-81	3074**70-80-84
32	2927	3027F/49-58-65	3175F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2975**52-64-69	3062**63-74-78	3088**66-77-82	3113**70-80-85
30	2967	3055F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3007**52-64-69	3099**63-74-79	3126**67-77-82	3151**70-81-85
28	2971	3065F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3014**52-64-70	3105**63-74-79	3132**67-78-83	3157**71-81-86
26	2972	3074F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3019**53-64-70	3110**64-75-80	3137**68-78-83	3162**71-82-86
24	2973	3083F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3024**53-65-71	3115**64-75-80	3142**68-79-84	3166**72-82-87
22	2975	3092F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3030**54-65-71	3119**65-76-81	3146**68-79-84	3171**72-83-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 02R/20L ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3101F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3035**54-66-72	3124**65-76-81	3151**69-80-84	3175**73-83-88
18	2977	3110F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3040**55-66-72	3129**66-77-82	3156**69-80-85	3175**73-83-88
16	2978	3119F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3045**55-67-72	3134**66-77-82	3160**70-81-85	3175**73-83-87
14	2980	3129F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3051**56-67-73	3139**67-78-83	3165**70-81-86	3175**72-83-87
12	2982	3138F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3056**56-68-73	3144**67-78-83	3170**71-82-86	3175**72-82-87
10	2983	3148F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3062**56-68-74	3149**67-79-84	3175**71-82-87	3175**72-82-87
8	2984	3158F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3067**57-69-74	3154**68-79-84	3175**71-82-87	3175**72-82-87
6	2985	3167F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3072**57-69-75	3159**68-80-84	3175**71-82-87	3175**72-82-87
4	2986	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3077**58-70-75	3163**69-80-85	3175**71-82-87	3175**72-82-87
2	2987	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3082**58-70-76	3168**69-81-86	3175**71-82-87	3175**72-82-87
0	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3087**59-71-76	3172**70-81-86	3175**71-82-86	3175**72-82-86
-2	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3091**59-71-76	3175**70-82-86	3175**71-82-86	3175**72-82-86
-4	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3096**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-6	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3100**60-72-77	3175**71-82-86	3175**71-82-86	3175**72-82-86
-8	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3105**61-73-78	3175**71-82-86	3175**71-82-86	3175**72-82-86
-10	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3110**61-73-78	3175**71-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
02R/20L	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2451F/35-38-43	2615F/36-38-43	2674F/37-38-43	2735F/37-38-43
		2283**50-56-59	2295**53-58-61	2295**53-58-61	2295**53-58-61
58A	2209	2483F/36-40-44	2651F/37-40-44	2711F/38-40-44	2773F/38-40-44
		2323**50-56-59	2342**54-60-63	2342**54-60-63	2342**55-60-63
56A	2256	2516F/37-41-46	2688F/38-41-46	2750F/39-41-46	2812F/39-41-46
		2365**50-57-60	2390**55-61-64	2390**56-61-64	2390**56-61-64
54	2308	2551F/38-42-47	2727F/39-42-47	2790F/40-42-47	2854F/40-42-47
		2410**50-57-60	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2590F/40-44-49	2770F/41-44-49	2834F/41-44-49	2900F/41-44-49
		2461**50-57-61	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2628F/41-46-51	2812F/42-46-51	2877F/42-46-51	2944F/43-46-51
		2511**50-58-62	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2667F/42-47-53	2855F/43-47-53	2920F/43-47-53	2988F/44-47-53
		2561**50-58-62	2624**60-68-71	2628**62-69-72	2628**62-69-72
46	2539	2707F/43-49-54	2897F/44-49-54	2964F/45-49-54	3029F/45-49-54
		2611**50-58-63	2677**60-68-72	2691**63-71-74	2691**64-71-74
44	2600	2748F/44-51-56	2942F/46-51-56	3007F/46-51-56	3073F/46-51-56
		2664**50-59-63	2734**60-69-72	2755**64-72-76	2757**65-72-76
42	2667	2790F/45-52-58	2987F/47-52-58	3051F/47-52-58	3117F/48-52-58
		2721**50-59-64	2796**60-69-73	2817**64-72-76	2831**66-74-78
40	2735	2830F/46-54-60	3027F/48-54-60	3093F/48-54-60	3160F/49-54-60
		2778**50-59-64	2856**60-69-73	2880**63-72-76	2902**67-76-80
38	2792	2865F/47-55-61	3063F/49-55-61	3130F/49-55-61	3175F/50-55-61
		2825**50-59-65	2909**60-69-74	2934**63-72-77	2957**67-76-80
36	2841	2895F/48-56-63	3094F/50-56-63	3162F/50-56-63	3175F/51-56-63
		2866**49-59-65	2954**60-69-74	2981**63-73-77	3006**67-76-80
34	2886	2925F/48-58-64	3124F/50-58-64	3175F/51-58-64	3175F/51-58-64
		2904**49-59-65	2995**60-69-74	3023**63-73-78	3049**67-76-81
32	2927	2953F/49-58-65	3153F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2940**49-60-66	3031**60-70-75	3060**63-73-78	3086**67-77-81
30	2967	2982F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		2974**49-60-66	3067**60-70-75	3096**64-74-79	3123**67-77-82
28	2971	2992F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		2981**50-61-67	3073**60-71-76	3102**64-74-79	3130**67-77-82
26	2972	3000F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2986**50-61-67	3078**61-71-76	3107**64-74-80	3134**68-78-83
24	2973	3009F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2991**51-61-67	3083**61-72-77	3112**65-75-80	3139**68-78-83
22	2975	3018F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		2996**51-62-68	3088**62-72-77	3117**65-75-80	3144**69-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 19 ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3027F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3001**51-62-68	3093**62-72-78	3122**66-76-81	3149**69-79-84
18	2977	3036F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3006**52-63-69	3098**62-73-78	3127**66-76-81	3154**70-80-85
16	2978	3045F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3011**52-63-69	3103**63-73-79	3131**67-77-82	3158**70-80-85
14	2980	3055F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3016**53-64-69	3108**63-74-79	3136**67-77-82	3163**71-81-86
12	2982	3064F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3022**53-64-70	3114**64-74-79	3142**67-78-83	3168**71-81-86
10	2983	3074F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3027**53-64-70	3119**64-75-80	3147**68-78-83	3173**72-82-87
8	2984	3083F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3032**54-65-71	3124**65-75-80	3152**68-79-84	3175**72-82-87
6	2985	3092F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3037**54-65-71	3129**65-76-81	3157**69-79-84	3175**72-82-87
4	2986	3102F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3042**55-66-72	3134**66-76-81	3161**69-80-85	3175**72-82-87
2	2987	3111F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3047**55-66-72	3138**66-77-82	3166**70-80-85	3175**72-82-87
0	2988	3121F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3052**55-67-72	3143**67-77-82	3170**70-81-86	3175**72-82-86
-2	2988	3130F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3057**56-67-73	3147**67-78-83	3174**71-82-86	3175**72-82-86
-4	2989	3140F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3061**56-68-73	3152**68-78-83	3175**71-82-86	3175**72-82-86
-6	2989	3149F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3066**57-68-74	3156**68-79-84	3175**71-82-86	3175**72-82-86
-8	2990	3159F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3071**57-69-74	3161**69-80-84	3175**71-82-86	3175**72-82-86
-10	2990	3169F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3076**58-69-75	3165**69-80-85	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2165	2513F/35-38-43	2683F/36-38-43	2744F/36-38-43	2805F/37-38-43
		2295**52-58-61	2295**53-58-61	2295**53-58-61	2295**53-58-61
58A	2209	2545F/36-40-44	2719F/37-40-44	2781F/38-40-44	2844F/38-40-44
		2342**53-60-63	2342**54-60-63	2342**54-60-63	2342**55-60-63
56A	2256	2580F/37-41-46	2757F/38-41-46	2819F/39-41-46	2883F/39-41-46
		2386**53-61-64	2390**55-61-64	2390**56-61-64	2390**56-61-64
54	2308	2615F/38-42-47	2796F/39-42-47	2860F/40-42-47	2925F/40-42-47
		2432**54-61-64	2444**57-63-66	2444**57-63-66	2444**57-63-66
52	2365	2656F/40-44-49	2840F/41-44-49	2905F/41-44-49	2970F/41-44-49
		2484**54-61-65	2505**58-65-68	2505**59-65-68	2505**59-65-68
50	2422	2697F/41-46-51	2883F/42-46-51	2949F/42-46-51	3014F/43-46-51
		2535**54-62-65	2565**60-67-70	2565**60-67-70	2565**61-67-70
48	2481	2737F/42-47-53	2926F/43-47-53	2993F/43-47-53	3057F/44-47-53
		2587**54-62-66	2628**61-69-72	2628**62-69-72	2628**62-69-72
46	2539	2778F/43-49-54	2970F/44-49-54	3034F/45-49-54	3100F/45-49-54
		2638**54-62-66	2691**62-71-74	2691**63-71-74	2691**63-71-74
44	2600	2820F/44-51-56	3013F/46-51-56	3078F/46-51-56	3144F/46-51-56
		2693**53-62-67	2757**64-72-76	2757**64-72-76	2757**65-72-76
42	2667	2863F/45-52-58	3057F/47-52-58	3122F/47-52-58	3175F/48-52-58
		2751**53-63-67	2820**63-73-77	2831**66-74-78	2831**66-74-78
40	2735	2904F/46-54-60	3099F/48-54-60	3165F/48-54-60	3175F/49-54-60
		2809**53-63-68	2883**63-73-77	2904**67-76-80	2905**68-76-80
38	2792	2939F/47-55-61	3136F/49-55-61	3175F/49-55-61	3175F/50-55-61
		2858**53-63-68	2937**63-73-77	2960**66-76-80	2971**69-78-82
36	2841	2971F/48-56-63	3168F/50-56-63	3175F/50-56-63	3175F/51-56-63
		2900**52-63-68	2984**63-73-78	3008**66-76-81	3029**70-80-84
34	2886	3001F/48-58-64	3175F/50-58-64	3175F/51-58-64	3175F/51-58-64
		2940**52-63-69	3026**63-73-78	3052**66-77-81	3075**70-80-84
32	2927	3029F/49-58-65	3175F/51-58-65	3175F/52-58-65	3175F/52-58-65
		2976**52-64-69	3063**63-74-78	3089**66-77-82	3113**70-80-85
30	2967	3057F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3008**52-64-69	3099**63-74-79	3126**67-77-82	3152**70-81-85
28	2971	3066F/49-59-66	3175F/52-59-66	3175F/52-59-66	3175F/53-59-66
		3014**52-64-70	3106**63-74-79	3132**67-78-83	3158**71-81-86
26	2972	3075F/49-60-66	3175F/52-60-66	3175F/52-60-66	3175F/53-60-66
		3019**53-65-70	3110**64-75-80	3137**68-78-83	3162**71-82-86
24	2973	3084F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3025**53-65-71	3115**64-75-80	3142**68-79-84	3167**72-82-87
22	2975	3093F/49-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3030**54-65-71	3120**65-76-81	3147**68-79-84	3171**72-83-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 49 FT RUNWAY 20R ZGGG

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF GUANGZHOU
GUANGZHOU
777-200 GE90-94B DATED 05-AUG-2018
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2976	3102F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3035**54-66-72	3125**65-76-81	3152**69-80-85	3175**73-83-88
18	2977	3111F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3040**54-66-72	3130**66-77-82	3156**69-80-85	3175**73-83-88
16	2978	3121F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3045**55-67-72	3134**66-77-82	3161**70-81-85	3175**72-83-87
14	2980	3130F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3051**55-67-73	3139**67-78-83	3165**70-81-86	3175**72-83-87
12	2982	3140F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3057**56-68-73	3145**67-78-83	3170**71-82-86	3175**72-82-87
10	2983	3149F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3062**56-68-74	3150**67-79-84	3175**71-82-87	3175**72-82-87
8	2984	3159F/50-60-66	3175F/52-60-66	3175F/53-60-66	3175F/53-60-66
		3068**57-69-74	3155**68-79-84	3175**71-82-87	3175**72-82-87
6	2985	3169F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3073**57-69-75	3160**68-80-85	3175**71-82-87	3175**72-82-87
4	2986	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/53-60-66
		3078**58-70-75	3164**69-80-85	3175**71-82-87	3175**72-82-87
2	2987	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3083**58-70-76	3168**69-81-86	3175**71-82-87	3175**72-82-87
0	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3087**59-71-76	3173**70-81-86	3175**71-82-86	3175**72-82-86
-2	2988	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3092**59-71-77	3175**70-82-86	3175**71-82-86	3175**72-82-86
-4	2989	3175F/50-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3096**60-72-77	3175**70-82-86	3175**71-82-86	3175**72-82-86
-6	2989	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3101**60-72-77	3175**70-82-86	3175**71-82-86	3175**72-82-86
-8	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3106**61-73-78	3175**71-82-86	3175**71-82-86	3175**72-82-86
-10	2990	3175F/51-60-66	3175F/53-60-66	3175F/53-60-66	3175F/54-60-66
		3110**61-73-78	3175**71-81-86	3175**71-81-86	3175**72-81-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE -0.02 PERCENT FOR TODA AND -0.02 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
20R	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46	2222F/42-43-46	2271F/42-43-46
			2132**46-48-51	2152**49-51-53	2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48	2252F/43-45-48	2302F/43-45-48
			2169**47-48-51	2190**50-51-54	2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49	2283F/44-46-49	2334F/45-46-49
			2208**47-49-52	2229**50-52-55	2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51	2315F/45-48-51	2367F/46-48-51
			2249**47-49-53	2270**50-52-55	2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53	2347F/47-49-53	2399F/47-49-53
			2289**48-50-53	2311**51-53-56	2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2379F/48-51-54	2432F/48-51-54
				2353**51-53-57	2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56	2468F/49-52-56
				2400**51-54-57	2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58	2505F/51-54-58
				2447**51-54-58	2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60
					2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2581F/54-57-62
					2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2739F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2702F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2668F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2722F/54-60-67	2786F/56-62-68	2853F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2841F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46	2222F/42-43-46	2271F/42-43-46
			2132**46-48-51	2152**49-51-53	2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48	2252F/43-45-48	2302F/43-45-48
			2169**47-48-51	2190**50-51-54	2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49	2283F/44-46-49	2334F/45-46-49
			2208**47-49-52	2229**50-52-55	2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51	2315F/45-48-51	2367F/46-48-51
			2249**47-49-53	2270**50-52-55	2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53	2346F/47-49-53	2399F/47-49-53
			2289**48-50-53	2311**51-53-56	2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2378F/48-51-54	2432F/48-51-54
				2353**51-53-57	2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56	2468F/49-52-56
				2400**51-54-57	2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58	2505F/51-54-58
				2447**51-54-58	2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60
					2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2580F/54-57-62
					2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2738F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2701F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2667F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2721F/54-60-67	2786F/56-62-68	2852F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2840F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2590F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2917F/50-55-61
				2816**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2649F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-69-73
-4	2844	2743F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2899**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3052F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2589F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2916F/50-55-61
				2815**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 01-FEB-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2648F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-68-73
-4	2844	2742F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2898**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3051F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 273969 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

TOGW
FOR CHARTER
FLIGHT
DESTINATIONS

777-200ER

(Only BMG,H)

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46 2132**46-48-51	2222F/42-43-46 2152**49-51-53	2271F/42-43-46 2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48 2169**47-48-51	2252F/43-45-48 2190**50-51-54	2302F/43-45-48 2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49 2208**47-49-52	2283F/44-46-49 2229**50-52-55	2334F/45-46-49 2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51 2249**47-49-53	2315F/45-48-51 2270**50-52-55	2367F/46-48-51 2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53 2289**48-50-53	2347F/47-49-53 2311**51-53-56	2399F/47-49-53 2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2379F/48-51-54 2353**51-53-57	2432F/48-51-54 2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56 2400**51-54-57	2468F/49-52-56 2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58 2447**51-54-58	2505F/51-54-58 2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60 2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2581F/54-57-62 2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2739F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2702F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2668F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2722F/54-60-67	2786F/56-62-68	2853F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2841F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2099	2030F/39-41-44	2173F/42-43-46 2132**46-48-51	2222F/42-43-46 2152**49-51-53	2271F/42-43-46 2171**52-54-56
58A	2142	2060F/40-42-45	2202F/43-45-48 2169**47-48-51	2252F/43-45-48 2190**50-51-54	2302F/43-45-48 2209**53-55-57
56A	2187	2089F/40-42-46	2233F/44-46-49 2208**47-49-52	2283F/44-46-49 2229**50-52-55	2334F/45-46-49 2249**53-55-58
54A	2235	2119F/41-43-47	2264F/45-48-51 2249**47-49-53	2315F/45-48-51 2270**50-52-55	2367F/46-48-51 2291**53-55-58
52A	2283	2148F/41-44-48	2295F/46-49-53 2289**48-50-53	2346F/47-49-53 2311**51-53-56	2399F/47-49-53 2333**54-56-59
50	2333	2177F/42-45-49	2327F/48-50-54	2378F/48-51-54 2353**51-53-57	2432F/48-51-54 2376**54-56-59
48	2389	2210F/42-46-51	2362F/49-51-55	2414F/49-52-56 2400**51-54-57	2468F/49-52-56 2423**54-57-60
46	2445	2244F/43-47-52	2397F/49-52-56	2450F/51-54-58 2447**51-54-58	2505F/51-54-58 2471**54-57-61
44	2505	2278F/43-48-53	2433F/50-53-58	2487F/52-55-59	2542F/52-56-60 2522**55-58-62
42	2568	2312F/43-49-54	2470F/50-54-59	2525F/53-56-60	2580F/54-57-62 2573**55-58-62
40	2631	2346F/44-49-55	2506F/51-55-60	2562F/53-57-62	2619F/55-59-63
38	2689	2374F/44-50-56	2538F/51-56-61	2594F/53-58-63	2653F/56-60-64
36	2743	2399F/44-51-57	2566F/51-56-62	2623F/54-58-64	2684F/56-60-65
34	2788	2422F/44-51-58	2591F/52-57-63	2650F/54-59-64	2712F/56-61-66
32	2824	2444F/45-52-59	2614F/52-58-64	2675F/55-60-65	2738F/57-62-67
30	2864	2467F/45-53-59	2639F/52-58-64	2701F/55-60-66	2766F/57-62-68
28	2906	2493F/45-53-60	2667F/53-59-65	2730F/55-61-67	2795F/58-63-68
26	2948	2517F/45-54-61	2695F/53-60-66	2758F/55-62-68	2823F/58-63-69
24	2952	2526F/46-54-61	2704F/53-60-66	2768F/56-62-68	2834F/58-64-69
22	2953	2533F/46-54-61	2713F/54-60-66	2777F/56-62-68	2843F/58-64-70
20	2954	2541F/46-55-62	2721F/54-60-67	2786F/56-62-68	2852F/59-64-70
18	2955	2548F/47-55-62	2730F/54-61-67	2795F/57-63-68	2862F/59-65-70
16	2956	2556F/47-55-62	2739F/54-61-67	2804F/57-63-69	2871F/59-65-70
14	2957	2563F/47-55-62	2748F/55-61-67	2813F/57-63-69	2881F/60-65-71
12	2957	2571F/47-56-63	2757F/55-61-67	2823F/58-63-69	2891F/60-65-71
10	2958	2579F/48-56-63	2766F/55-62-68	2832F/58-64-69	2900F/60-66-71
8	2960	2587F/48-56-63	2775F/56-62-68	2842F/58-64-70	2910F/61-66-71
6	2961	2595F/48-56-63	2784F/56-62-68	2851F/58-64-70	2920F/61-66-72
4	2961	2603F/49-57-64	2793F/56-63-68	2861F/59-65-70	2930F/61-67-72

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
2	2962	2611F/49-57-64	2803F/57-63-69	2871F/59-65-70	2940F/62-67-72
0	2962	2619F/49-57-64	2812F/57-63-69	2880F/59-65-71	2950F/62-67-72
-2	2963	2627F/49-57-64	2821F/57-63-69	2890F/60-65-71	2960F/62-67-72
-4	2963	2635F/50-58-64	2831F/57-64-69	2900F/60-66-71	2970F/62-67-73
					2966**63-68-73
-6	2963	2644F/50-58-65	2840F/58-64-70	2910F/60-66-71	2980F/62-68-73
					2971**63-68-73
-8	2964	2652F/50-58-65	2850F/58-64-70	2920F/61-66-72	2990F/62-68-73
					2976**64-69-74
-10	2964	2661F/51-59-65	2860F/58-64-70	2930F/61-67-72	3000F/62-68-73
					2981**64-69-74

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2590F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2917F/50-55-61
				2816**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 04 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2649F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-69-73
-4	2844	2743F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2899**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3052F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE -0.00 PERCENT FOR TODA AND -0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
04	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2018	2112F/31-34-38	2261F/32-34-38	2312F/32-34-38	2362F/33-34-38
		2059**37-40-43	2118**46-49-52	2134**49-53-55	2137**49-53-56
58A	2059	2141F/32-35-39	2292F/33-35-39	2344F/34-35-39	2396F/34-35-39
		2095**38-40-44	2155**46-50-53	2172**49-53-56	2181**50-55-57
56A	2103	2172F/34-36-41	2324F/35-36-41	2377F/35-36-41	2430F/35-36-41
		2134**38-41-45	2195**47-50-53	2212**50-53-56	2226**52-56-59
54A	2150	2202F/35-38-42	2356F/36-38-42	2410F/36-38-42	2465F/36-38-42
		2174**38-41-45	2236**47-51-54	2255**50-54-57	2272**53-57-60
52A	2196	2232F/36-39-44	2389F/37-39-44	2443F/37-39-44	2499F/37-39-44
		2213**39-41-46	2277**47-51-54	2297**50-54-57	2315**53-57-60
50	2244	2263F/37-41-45	2421F/38-41-45	2477F/38-41-45	2533F/38-41-45
		2252**39-42-46	2319**47-51-55	2339**50-54-58	2358**53-58-61
48	2298	2297F/39-42-47	2457F/39-42-47	2514F/39-42-47	2571F/40-42-47
			2366**48-52-55	2387**51-55-58	2408**54-58-61
46	2352	2332F/39-43-48	2494F/40-44-49	2551F/41-44-49	2609F/41-44-49
			2413**48-52-56	2436**51-55-59	2456**54-58-62
44	2410	2367F/40-44-49	2532F/42-45-50	2589F/42-45-50	2649F/42-45-50
			2463**48-52-57	2486**51-56-60	2508**54-59-63
42	2470	2403F/40-45-50	2570F/43-47-52	2628F/43-47-52	2690F/43-47-52
			2514**48-53-57	2538**51-56-60	2561**54-59-63
40	2531	2438F/41-46-52	2608F/44-49-54	2668F/44-49-54	2731F/45-49-54
			2565**49-53-58	2590**52-56-61	2613**55-60-64
38	2584	2468F/41-46-52	2641F/45-50-56	2703F/45-50-56	2767F/46-50-56
			2610**49-53-58	2636**52-57-61	2661**55-60-64
36	2632	2493F/41-47-53	2671F/46-51-57	2734F/46-51-57	2799F/47-51-57
			2650**49-54-59	2678**52-57-62	2705**55-60-65
34	2673	2518F/41-48-54	2699F/47-53-58	2763F/47-53-58	2829F/48-53-58
			2685**49-54-59	2714**52-57-62	2743**55-60-65
32	2708	2540F/42-48-55	2724F/47-53-59	2790F/48-53-59	2856F/48-53-59
			2715**49-54-60	2746**52-57-63	2775**55-61-66
30	2746	2564F/42-49-56	2751F/49-54-60	2818F/49-54-60	2885F/49-54-60
			2748**49-55-60	2779**52-58-63	2809**56-61-66
28	2788	2591F/42-49-56	2780F/49-55-61	2848F/49-55-61	2916F/50-55-61
				2815**53-58-64	2846**56-62-67
26	2830	2616F/42-50-57	2808F/50-56-62	2877F/50-56-62	2946F/50-56-62
				2851**53-59-64	2882**56-62-67
24	2834	2625F/43-50-57	2819F/50-56-62	2887F/50-56-62	2957F/51-56-62
				2858**53-59-65	2890**56-62-68
22	2835	2633F/43-51-58	2828F/50-56-62	2897F/50-56-62	2967F/51-56-62
				2863**53-59-65	2894**57-63-68

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2105 FT RUNWAY 22 HSNN

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF NYALA UYL
NYALA SUDAN
777-200 GE90-94B DATED 17-AUG-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	2836	2640F/43-51-58	2837F/50-56-62	2906F/50-56-62	2976F/51-56-62
				2868**54-60-66	2899**57-63-69
18	2837	2648F/43-51-58	2846F/50-56-63	2916F/50-56-63	2986F/51-56-63
			2841**51-57-63	2873**54-60-66	2904**58-64-69
16	2838	2657F/44-51-58	2855F/50-56-63	2925F/50-56-63	2995F/51-56-63
			2846**51-57-63	2878**55-61-66	2909**58-64-69
14	2839	2665F/44-51-58	2864F/50-56-63	2935F/50-56-63	3005F/51-56-63
			2851**52-58-64	2883**55-61-67	2913**58-65-70
12	2839	2673F/44-52-59	2874F/50-57-63	2944F/50-57-63	3014F/51-57-63
			2855**52-58-64	2887**55-62-67	2918**59-65-70
10	2840	2682F/44-52-59	2883F/50-57-63	2954F/50-57-63	3024F/51-57-63
			2860**53-59-64	2892**56-62-68	2923**59-66-71
8	2842	2691F/45-52-59	2893F/50-57-63	2964F/50-57-63	3034F/51-57-63
			2865**53-59-65	2897**56-63-68	2929**60-66-71
6	2842	2699F/45-52-59	2903F/50-57-63	2974F/50-57-63	3043F/51-57-63
			2870**53-60-65	2902**57-63-68	2933**60-67-72
4	2843	2708F/45-53-59	2912F/50-57-63	2984F/50-57-63	3053F/51-57-63
			2875**54-60-66	2907**57-64-69	2938**61-67-72
2	2844	2716F/46-53-60	2922F/50-57-63	2993F/51-57-63	3063F/51-57-63
			2880**54-60-66	2912**58-64-69	2943**61-67-73
0	2844	2725F/46-53-60	2932F/50-57-63	3003F/51-57-63	3073F/51-57-63
			2885**55-61-67	2916**58-64-70	2947**61-68-73
-2	2844	2734F/46-53-60	2942F/50-57-63	3012F/51-57-63	3083F/51-57-63
			2889**55-61-67	2921**58-65-70	2952**62-68-73
-4	2844	2742F/46-54-60	2951F/50-57-63	3022F/51-57-63	3093F/51-57-63
			2894**55-62-67	2926**59-65-71	2957**62-69-74
-6	2845	2751F/47-54-61	2961F/50-57-63	3032F/51-57-63	3103F/51-57-63
			2898**56-62-68	2931**59-66-71	2961**63-70-74
-8	2845	2760F/47-54-61	2971F/50-57-63	3042F/51-57-63	3113F/51-57-63
			2903**56-63-68	2935**60-66-72	2966**63-70-75
-10	2845	2769F/47-54-61	2981F/50-57-63	3051F/51-57-63	3124F/51-57-63
			2908**57-63-69	2940**60-67-72	2970**64-71-75

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 297556 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3000 M LONG WITH 0 M OF CLEARWAY AND 100 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 23 M FOR TODA, 49 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
22	NONE								

ENG-OUT PROCEDURE:
NONE

TOGW
FOR CHARTER
FLIGHT
DESTINATIONS

777-300ER

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2629F/57-65-69	2795F/64-70-74	2853F/67-71-74	2911F/69-71-74
				2835**67-73-76	2853**70-76-79
58A	2891	2668F/58-66-70	2836F/64-71-75	2894F/67-73-76	2953F/70-73-76
					2909**70-77-79
56A	2960	2707F/58-67-71	2877F/65-72-76	2936F/67-74-78	2996F/71-75-78
					2970**70-77-80
54	3029	2746F/58-68-73	2918F/66-73-77	2977F/68-75-79	3039F/71-77-80
					3032**70-78-81
52	3102	2786F/59-69-74	2960F/66-75-79	3021F/69-77-80	3083F/71-78-82
50	3173	2826F/59-70-75	3002F/67-76-80	3064F/69-78-82	3127F/72-80-83
48	3249	2868F/60-71-77	3047F/67-77-81	3109F/70-79-83	3173F/72-81-85
46	3330	2910F/60-72-78	3092F/68-78-83	3155F/70-80-84	3219F/73-82-86
44	3409	2951F/61-73-79	3136F/68-79-84	3199F/71-81-86	3264F/73-83-87
42	3488	2994F/61-74-81	3180F/69-80-86	3244F/71-82-87	3311F/74-84-89
40	3571	3024T/61-74-82	3221F/69-81-87	3287F/72-83-88	3356F/74-85-90
38	3652	3041T/62-75-82	3265F/69-82-88	3333F/72-84-90	3402F/74-86-91
36	3729	3059T/63-75-83	3306F/70-83-89	3375F/72-85-91	3446F/75-87-93
34	3787	3078T/64-75-84	3344F/70-84-90	3414F/73-86-92	3493F/75-87-93
32	3787	3097T/63-75-84	3378F/70-84-91	3450F/73-86-93	3533F/75-88-94
30	3787	3116T/63-76-85	3413F/70-85-92	3492F/73-87-94	3568F/76-89-95
28	3787	3139T/64-77-86	3423F/71-85-92	3505F/73-87-94	3578F/76-89-96
26	3787	3162T/65-77-86	3433F/71-86-93	3517F/73-87-94	3589F/76-90-96
24	3787	3185T/65-78-87	3444F/71-86-93	3528F/74-88-94	3599F/77-90-96
22	3787	3208T/64-79-87	3454F/72-86-93	3538F/74-88-95	3610F/77-90-96
20	3787	3232T/64-80-88	3467F/72-86-93	3549F/74-88-95	3621F/77-91-97
18	3787	3256T/64-80-89	3480F/72-87-94	3559F/75-89-95	3632F/78-91-97
16	3787	3273F/64-81-89	3494F/72-87-94	3570F/75-89-95	3643F/78-91-97
14	3787	3283F/65-81-89	3507F/73-87-94	3581F/76-89-96	3654F/78-92-97
12	3787	3293F/65-81-89	3520F/73-87-94	3592F/76-90-96	3665F/79-92-98
10	3787	3303F/65-82-90	3530F/73-88-94	3603F/76-90-96	3676F/79-92-98
8	3787	3313F/66-82-90	3541F/74-88-95	3614F/77-90-96	3688F/79-93-98
6	3787	3323F/66-82-90	3552F/74-88-95	3625F/77-91-97	3699F/80-93-99
4	3787	3334F/66-83-90	3563F/74-89-95	3636F/77-91-97	3711F/80-93-99
2	3787	3344F/67-83-91	3574F/75-89-95	3648F/78-91-97	3723F/81-94-99
0	3787	3355F/67-83-91	3585F/75-89-96	3659F/78-92-98	3734F/81-94-99
-2	3787	3365F/67-84-91	3596F/76-90-96	3671F/78-92-98	3746F/81-94-00
-4	3787	3376F/68-84-91	3607F/76-90-96	3682F/79-92-98	3758F/82-95-00
-6	3787	3386F/68-84-92	3619F/76-90-97	3694F/79-93-98	3770F/82-95-00
-8	3787	3397F/68-85-92	3630F/77-91-97	3706F/80-93-99	3783F/83-95-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3787	3408F/69-85-92	3642F/77-91-97	3718F/80-93-99	3787F/83-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2684F/61-67-70	2788*/70-70-73	2812*/68-71-74	2836*/69-71-74
			2795**70-73-76	2822**73-76-79	2849**76-79-81
58A	2891	2724F/62-68-72	2848*/68-72-75	2873*/69-73-76	2897*/70-73-76
			2851**70-74-77	2880**73-77-79	2907**76-80-82
56A	2960	2763F/63-69-73	2912*/70-74-77	2937*/71-74-78	2961*/71-75-78
				2941**73-77-80	2970**76-80-83
54	3029	2802F/63-70-74	2969*/70-75-79	3001*/73-76-80	3027*/73-77-80
				3002**73-77-80	3032**76-80-83
52	3102	2842F/63-71-76	3020F/71-76-80	3064*/73-78-82	3095*/75-79-82
					3097**76-80-83
50	3173	2883F/64-72-77	3063F/71-78-82	3124*/74-79-83	3160*/77-81-84
48	3249	2925F/64-73-78	3108F/72-79-83	3171F/74-81-85	3224*/77-82-86
46	3330	2967F/65-74-80	3153F/72-80-84	3216F/75-82-86	3282F/77-84-88
44	3409	2990T/65-74-80	3197F/73-81-86	3261F/75-83-87	3328F/78-85-89
42	3488	3007T/65-74-81	3241F/73-82-87	3308F/76-84-89	3376F/78-86-90
40	3571	3024T/64-74-82	3284F/73-83-88	3352F/76-85-90	3421F/78-87-92
38	3652	3041T/64-75-82	3329F/74-84-90	3398F/76-86-91	3472F/79-88-93
36	3729	3059T/64-75-83	3370F/74-85-91	3441F/77-87-92	3524F/79-88-94
34	3787	3078T/64-75-84	3409F/74-85-92	3487F/77-87-93	3563F/79-89-95
32	3787	3097T/63-75-84	3431T/75-86-92	3528F/77-88-94	3599F/80-90-96
30	3787	3116T/63-76-85	3454T/75-86-93	3562F/77-89-95	3634F/80-91-97
28	3787	3139T/64-77-86	3497F/75-87-94	3572F/78-89-95	3644F/80-91-97
26	3787	3162T/65-77-86	3510F/75-87-94	3583F/78-89-96	3655F/81-92-97
24	3787	3185T/65-78-87	3522F/76-88-94	3593F/78-90-96	3666F/81-92-98
22	3787	3208T/66-79-87	3532F/76-88-94	3604F/79-90-96	3677F/81-92-98
20	3787	3232T/67-80-88	3542F/76-88-95	3614F/79-90-96	3688F/82-93-98
18	3787	3256T/67-80-89	3553F/77-88-95	3625F/79-91-97	3699F/82-93-99
16	3787	3282T/68-81-89	3563F/77-89-95	3636F/80-91-97	3710F/83-93-99
14	3787	3308T/69-82-90	3574F/77-89-95	3647F/80-91-97	3721F/83-94-99
12	3787	3334T/70-83-90	3585F/78-89-96	3658F/81-92-98	3733F/83-94-99
10	3787	3361T/70-83-91	3596F/78-90-96	3670F/81-92-98	3744F/84-94-00
8	3787	3378F/70-84-91	3607F/78-90-96	3681F/81-92-98	3756F/84-95-00
6	3787	3388F/71-84-92	3618F/79-90-97	3692F/82-93-98	3768F/84-95-00
4	3787	3399F/71-85-92	3630F/79-91-97	3704F/82-93-99	3780F/85-95-01
2	3787	3410F/71-85-92	3641F/80-91-97	3716F/82-93-99	3787F/85-96-01
0	3787	3420F/72-85-92	3652F/80-91-97	3727F/83-94-99	3787F/86-96-01
-2	3787	3431F/72-86-93	3664F/80-92-98	3739F/83-94-00	3787F/86-96-01
-4	3787	3442F/72-86-93	3675F/81-92-98	3751F/84-94-00	3787F/86-96-01
-6	3787	3453F/73-86-93	3687F/81-93-98	3763F/84-95-00	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-8	3787	3467F/73-86-93	3698F/81-93-99	3775F/84-95-00	3787F/86-96-01
-10	3787	3481F/73-87-94	3710F/82-93-99	3787F/85-96-01	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 410 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2729F/60-68-72	2896F/68-71-74	2954F/68-71-74	2987*/69-71-74
			2848**68-75-78	2864**72-78-81	2878**75-82-84
58A	2891	2769F/61-69-73	2938F/69-73-76	2997F/69-73-76	3043*/70-73-76
			2905**69-76-79	2921**72-79-82	2935**75-82-84
56A	2960	2809F/61-70-74	2981F/69-75-78	3040F/71-75-78	3101F/71-75-78
			2966**69-76-79	2983**72-80-82	2998**75-83-85
54	3029	2849F/62-71-76	3023F/69-77-80	3084F/72-77-80	3145F/73-77-80
				3045**72-80-83	3062**76-83-86
52	3102	2890F/62-72-77	3067F/69-78-82	3129F/72-79-83	3191F/74-79-83
				3110**72-81-84	3128**76-84-87
50	3173	2932F/63-73-78	3111F/70-79-83	3173F/72-81-85	3236F/76-81-85
					3192**76-84-87
48	3249	2957T/64-74-79	3157F/70-80-84	3220F/73-82-86	3284F/76-83-87
					3259**76-85-88
46	3330	2973T/65-74-80	3203F/71-81-86	3266F/73-83-87	3333F/76-85-89
44	3409	2990T/65-74-80	3248F/71-82-87	3313F/74-84-89	3381F/76-86-90
42	3488	3007T/65-74-81	3294F/72-83-88	3361F/74-85-90	3430F/77-87-92
40	3571	3024T/64-74-82	3338F/72-84-90	3406F/75-86-91	3482F/77-88-93
38	3652	3041T/64-75-82	3365T/73-85-90	3454F/75-87-93	3536F/77-89-94
36	3729	3059T/64-75-83	3387T/74-85-91	3509F/75-88-93	3579F/78-90-95
34	3787	3078T/64-75-84	3409T/74-85-92	3549F/75-89-94	3618F/78-91-96
32	3787	3097T/63-75-84	3431T/75-86-92	3585F/76-90-96	3655F/78-92-97
30	3787	3116T/63-76-85	3454T/75-86-93	3619F/76-90-97	3690F/79-93-98
28	3787	3139T/64-77-86	3501T/75-87-94	3630F/76-91-97	3701F/79-93-99
26	3787	3162T/65-77-86	3532T/75-88-94	3640F/77-91-97	3712F/79-93-99
24	3787	3185T/65-78-87	3557T/75-89-95	3651F/77-91-97	3723F/80-94-99
22	3787	3208T/66-79-87	3583T/75-89-96	3661F/77-92-98	3734F/80-94-99
20	3787	3232T/67-80-88	3601F/75-90-96	3672F/78-92-98	3745F/81-94-00
18	3787	3256T/67-80-89	3611F/75-90-96	3683F/78-92-98	3756F/81-95-00
16	3787	3282T/68-81-89	3622F/76-91-97	3694F/78-93-98	3767F/81-95-00
14	3787	3308T/69-82-90	3633F/76-91-97	3705F/79-93-99	3779F/82-95-00
12	3787	3334T/70-83-90	3644F/76-91-97	3716F/79-93-99	3787F/82-96-01
10	3787	3361T/70-83-91	3655F/77-92-97	3728F/80-94-99	3787F/83-96-01
8	3787	3389T/70-84-92	3666F/77-92-98	3739F/80-94-00	3787F/83-96-01
6	3787	3417T/70-85-92	3677F/77-92-98	3751F/80-94-00	3787F/84-96-01
4	3787	3446T/70-86-93	3688F/78-93-98	3762F/81-95-00	3787F/85-96-01
2	3787	3476F/70-87-93	3700F/78-93-99	3774F/81-95-00	3787F/85-96-01
0	3787	3489F/70-87-94	3711F/79-93-99	3786F/81-95-01	3787F/86-96-01
-2	3787	3503F/70-87-94	3723F/79-94-99	3787F/82-96-01	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-4	3787	3516F/71-87-94	3734F/79-94-99	3787F/83-96-01	3787F/86-96-01
-6	3787	3527F/71-88-94	3746F/80-94-00	3787F/83-96-01	3787F/86-96-01
-8	3787	3538F/71-88-95	3758F/80-95-00	3787F/84-96-01	3787F/86-96-01
-10	3787	3549F/72-88-95	3770F/80-95-00	3787F/85-96-01	3787F/86-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2827	2629F/57-65-69	2795F/64-70-74	2853F/67-71-74	2911F/69-71-74
				2835**67-73-76	2853**70-76-79
58A	2891	2668F/58-66-70	2836F/64-71-75	2894F/67-73-76	2953F/70-73-76
					2909**70-77-79
56A	2960	2707F/58-67-71	2877F/65-72-76	2936F/67-74-78	2996F/71-75-78
					2970**70-77-80
54	3029	2746F/58-68-73	2918F/66-73-77	2977F/68-75-79	3039F/71-77-80
					3032**70-78-81
52	3102	2786F/59-69-74	2960F/66-75-79	3021F/69-77-80	3083F/71-78-82
50	3173	2826F/59-70-75	3002F/67-76-80	3064F/69-78-82	3127F/72-80-83
48	3249	2868F/60-71-77	3047F/67-77-81	3109F/70-79-83	3173F/72-81-85
46	3330	2910F/60-72-78	3092F/68-78-83	3155F/70-80-84	3219F/73-82-86
44	3409	2951F/61-73-79	3136F/68-79-84	3199F/71-81-86	3264F/73-83-87
42	3488	2994F/61-74-81	3180F/69-80-86	3244F/71-82-87	3311F/74-84-89
40	3571	3024T/61-74-82	3221F/69-81-87	3287F/72-83-88	3356F/74-85-90
38	3652	3041T/62-75-82	3265F/69-82-88	3333F/72-84-90	3402F/74-86-91
36	3729	3059T/63-75-83	3306F/70-83-89	3375F/72-85-91	3446F/75-87-93
34	3787	3078T/64-75-84	3344F/70-84-90	3414F/73-86-92	3493F/75-87-93
32	3787	3097T/63-75-84	3378F/70-84-91	3450F/73-86-93	3533F/75-88-94
30	3787	3116T/63-76-85	3413F/70-85-92	3492F/73-87-94	3568F/76-89-95
28	3787	3139T/64-77-86	3423F/71-85-92	3505F/73-87-94	3578F/76-89-96
26	3787	3162T/65-77-86	3433F/71-86-93	3517F/73-87-94	3589F/76-90-96
24	3787	3185T/65-78-87	3444F/71-86-93	3528F/74-88-94	3599F/77-90-96
22	3787	3208T/64-79-87	3454F/72-86-93	3538F/74-88-95	3610F/77-90-96
20	3787	3232T/64-80-88	3467F/72-86-93	3549F/74-88-95	3621F/77-91-97
18	3787	3256T/64-80-89	3480F/72-87-94	3559F/75-89-95	3632F/78-91-97
16	3787	3273F/64-81-89	3494F/72-87-94	3570F/75-89-95	3643F/78-91-97
14	3787	3283F/65-81-89	3507F/73-87-94	3581F/76-89-96	3654F/78-92-97
12	3787	3293F/65-81-89	3520F/73-87-94	3592F/76-90-96	3665F/79-92-98
10	3787	3303F/65-82-90	3530F/73-88-94	3603F/76-90-96	3676F/79-92-98
8	3787	3313F/66-82-90	3541F/74-88-95	3614F/77-90-96	3688F/79-93-98
6	3787	3323F/66-82-90	3552F/74-88-95	3625F/77-91-97	3699F/80-93-99
4	3787	3334F/66-83-90	3563F/74-89-95	3636F/77-91-97	3711F/80-93-99
2	3787	3344F/67-83-91	3574F/75-89-95	3648F/78-91-97	3723F/81-94-99
0	3787	3355F/67-83-91	3585F/75-89-96	3659F/78-92-98	3734F/81-94-99
-2	3787	3365F/67-84-91	3596F/76-90-96	3671F/78-92-98	3746F/81-94-00
-4	3787	3376F/68-84-91	3607F/76-90-96	3682F/79-92-98	3758F/82-95-00
-6	3787	3386F/68-84-92	3619F/76-90-97	3694F/79-93-98	3770F/82-95-00
-8	3787	3397F/68-85-92	3630F/77-91-97	3706F/80-93-99	3783F/83-95-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-10	3787	3408F/69-85-92	3642F/77-91-97	3718F/80-93-99	3787F/83-96-01

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2771F/54-57-62	2902*/56-57-62	2926*/56-57-62	2949*/56-57-62
		2732**54-61-65	2787**64-70-73	2802**67-74-76	2814**70-77-79
58A	2774	2812F/54-59-63	2964*/57-59-63	2989*/58-59-63	3013*/58-59-63
		2788**54-61-65	2844**64-71-74	2859**67-74-77	2872**71-77-80
56A	2841	2854F/54-61-65	3025*/58-61-65	3052*/59-61-65	3078*/59-61-65
		2845**54-62-66	2904**64-71-75	2921**67-75-78	2935**71-78-81
54	2906	2894F/54-62-67	3083F/60-63-67	3114*/60-63-67	3141*/61-63-67
			2965**64-72-75	2982**67-75-78	2997**71-78-81
52	2974	2937F/55-63-68	3127F/61-65-69	3178*/61-65-69	3206*/62-65-69
			3026**64-72-76	3045**68-76-79	3062**71-79-82
50	3043	2979F/55-64-69	3172F/62-66-71	3239F/63-66-71	3271*/63-66-71
			3087**64-73-77	3108**68-76-80	3126**71-79-83
48	3119	3024F/55-65-71	3219F/64-68-73	3288F/64-68-73	3342*/65-68-73
			3154**64-73-77	3174**68-77-80	3193**71-80-83
46	3195	3068F/56-66-72	3266F/65-70-75	3337F/65-70-75	3409F/66-70-75
			3220**64-74-78	3242**68-77-81	3263**71-80-84
44	3269	3111F/56-67-73	3313F/65-72-77	3385F/67-72-77	3459F/67-72-77
			3285**64-74-79	3309**68-77-82	3331**71-81-85
42	3346	3156F/57-68-75	3362F/64-74-79	3434F/68-74-79	3520F/69-74-79
			3352**64-75-80	3376**68-78-83	3399**71-81-86
40	3420	3197F/57-69-76	3406F/64-75-81	3486F/68-76-81	3565F/70-76-81
				3442**68-78-83	3469**71-82-86
38	3498	3240F/57-70-77	3454F/65-76-82	3539F/68-77-82	3612F/71-77-82
				3514**68-79-84	3540**71-82-87
36	3570	3281F/57-71-78	3507F/65-77-83	3581F/68-79-84	3656F/72-79-84
				3574**68-79-84	3602**71-82-87
34	3636	3318F/58-72-79	3547F/65-78-84	3621F/68-80-85	3696F/72-80-86
					3659**71-83-88
32	3699	3351F/58-73-80	3582F/65-78-85	3656F/68-81-86	3732F/72-82-87
					3712**71-83-89
30	3757	3384F/58-73-81	3616F/66-79-85	3691F/68-81-87	3768F/71-83-89
					3761**71-84-89
28	3757	3394F/58-73-81	3626F/66-79-86	3702F/69-82-87	3779F/72-83-89
					3766**72-84-90
26	3757	3403F/59-74-81	3637F/66-80-86	3713F/69-82-88	3787F/73-83-89
					3770**72-85-90
24	3757	3413F/59-74-81	3647F/67-80-86	3724F/69-82-88	3787F/73-83-89
					3775**73-85-90
22	3758	3423F/59-74-82	3658F/67-80-86	3735F/70-82-88	3787F/74-83-89
					3780**73-86-91

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3433F/59-75-82	3669F/67-81-87	3746F/70-83-88	3787F/74-83-89
					3784**74-86-91
18	3758	3444F/60-75-82	3680F/68-81-87	3757F/70-83-89	3787F/75-83-89
					3787**74-86-92
16	3758	3454F/60-75-82	3690F/68-81-87	3768F/71-83-89	3787F/75-83-89
				3762**71-84-89	3787**75-86-92
14	3758	3466F/60-75-83	3702F/68-82-87	3780F/72-83-89	3787F/75-83-89
				3767**71-84-90	3787**75-86-92
12	3759	3479F/60-76-83	3713F/69-82-88	3787F/72-83-89	3787F/75-83-89
				3772**72-85-90	3787**76-86-92
10	3759	3493F/61-76-83	3724F/69-82-88	3787F/73-83-89	3787F/75-83-89
				3777**72-85-91	3787**77-86-92
8	3759	3506F/61-76-83	3736F/69-83-88	3787F/73-83-89	3787F/75-83-89
				3782**73-86-91	3787**77-86-92
6	3760	3518F/61-76-83	3747F/70-83-89	3787F/74-83-89	3787F/75-83-89
				3786**73-86-91	3787**78-86-92
4	3760	3529F/62-77-83	3759F/70-83-89	3787F/75-83-89	3787F/76-83-89
				3787**74-86-92	3787**78-86-92
2	3760	3539F/62-77-84	3770F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3764**71-84-89	3787**75-86-92	3787**78-86-92
0	3760	3550F/62-77-84	3782F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3769**71-84-90	3787**75-86-92	3787**78-86-92
-2	3760	3561F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3774**72-85-90	3787**76-86-92	3787**78-86-92
-4	3760	3572F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3778**72-85-91	3787**76-86-92	3787**78-86-92
-6	3760	3582F/63-78-85	3787F/73-83-89	3787F/75-83-89	3787F/76-83-89
			3783**73-86-91	3787**77-86-92	3787**78-86-92
-8	3759	3594F/64-78-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**73-86-92	3787**78-86-92	3787**79-86-92
-10	3759	3605F/64-79-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**74-86-92	3787**78-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 1100 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01L	28	1324	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2647*/53-55-60	2713*/56-57-62	2735*/56-57-62	2756*/56-57-62
		2681**61-65-69	2761**70-73-76	2785**71-75-78	2810**73-77-80
58A	2774	2710*/54-57-62	2777*/57-59-63	2799*/58-59-63	2820*/58-59-63
		2737**61-65-69	2819**70-74-77	2844**72-76-78	2869**77-77-79
56A	2841	2773*/56-59-64	2841*/58-61-65	2863*/59-61-65	2884*/59-61-65
		2795**61-65-69	2881**70-74-77	2908**74-77-80	2933**75-78-81
54	2906	2834*/57-61-65	2903*/60-63-67	2925*/60-63-67	2947*/61-63-67
		2851**61-65-69	2942**71-74-78	2970**74-77-81	2997**77-80-83
52	2974	2897*/62-62-67	2968*/61-64-69	2990*/61-65-69	3012*/62-65-69
		2909**61-66-70	3004**71-74-78	3034**74-77-81	3063**77-80-84
50	3043	2962*/60-64-69	3034*/63-66-71	3055*/63-66-71	3078*/63-66-71
		2967**61-67-72	3066**71-74-78	3097**74-78-81	3128**77-81-84
48	3119	3029*/61-66-71	3106*/65-68-73	3126*/64-68-73	3150*/65-68-73
			3131**71-74-79	3164**74-78-82	3196**77-81-84
46	3195	3093*/61-67-73	3179*/67-70-75	3198*/65-70-75	3222*/66-70-75
			3198**71-74-79	3232**74-78-82	3265**77-81-85
44	3269	3154*/61-69-74	3248*/71-72-77	3269*/67-72-77	3292*/67-72-77
			3262**71-76-80	3297**74-78-82	3333**77-81-85
42	3346	3210F/61-70-76	3322*/70-73-78	3346*/70-74-79	3365*/69-74-79
			3328**71-77-82	3365**74-79-83	3401**77-81-86
40	3420	3251F/62-71-77	3389*/71-75-80	3419*/72-76-81	3434*/70-76-81
			3392**71-78-83	3430**74-80-85	3470**77-82-86
38	3498	3296F/62-72-78	3456*/71-76-82	3494*/74-77-82	3510*/71-77-82
			3458**71-78-84	3501**74-81-86	3541**77-83-88
36	3570	3337F/62-73-79	3521*/71-77-83	3559*/74-78-84	3575*/72-79-84
			3524**70-79-85	3563**74-82-87	3602**77-84-89
34	3636	3374F/62-73-80	3577*/70-79-84	3615*/74-80-85	3636*/73-80-86
			3579**70-80-86	3619**74-83-88	3659**77-85-90
32	3699	3408F/62-74-81	3628*/70-80-86	3667*/74-81-87	3699*/75-82-87
				3670**74-83-89	3712**77-86-92
30	3757	3441F/63-75-82	3675F/70-81-87	3716*/74-82-88	3756*/77-83-89
				3719**74-84-90	3761**77-87-92
28	3757	3451F/63-75-82	3680*/71-81-87	3720*/74-82-88	3757*/77-83-89
				3723**74-84-90	3765**78-88-93
26	3757	3462F/63-75-82	3684*/71-81-87	3724*/75-82-88	3757*/77-83-89
				3727**75-85-90	3770**78-88-93
24	3757	3475F/63-76-83	3688*/72-81-87	3728*/75-82-88	3757*/76-83-89
			3689**72-82-88	3732**75-85-91	3774**79-89-94
22	3758	3487F/64-76-83	3692*/72-81-87	3732*/76-82-88	3758*/76-83-89
			3694**72-83-89	3736**76-86-91	3778**79-89-94

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 01R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3500F/64-76-83	3696*/73-81-87	3736*/76-83-88	3758*/75-83-89
			3698**73-83-89	3740**76-86-92	3783**80-89-94
18	3758	3513F/64-76-83	3699*/73-81-87	3739*/77-83-88	3759*/75-83-89
			3702**73-84-89	3745**77-87-92	3787**80-89-94
16	3758	3523F/65-76-83	3703*/74-82-87	3743*/77-83-88	3761*/75-83-89
			3706**74-84-90	3749**77-87-93	3787**80-86-92
14	3758	3534F/65-77-84	3707*/74-82-88	3747*/78-83-89	3764*/75-83-89
			3711**74-85-90	3753**78-88-93	3787**80-86-92
12	3759	3544F/65-77-84	3711*/75-82-88	3751*/78-83-89	3766*/75-83-89
			3715**75-85-91	3758**78-88-94	3787**79-86-92
10	3759	3555F/65-77-84	3715*/75-82-88	3755*/79-83-89	3769*/75-83-89
			3720**75-86-91	3762**79-88-93	3787**79-86-92
8	3759	3565F/66-78-84	3719*/76-82-88	3758*/80-83-89	3771*/75-83-89
			3724**76-86-92	3767**79-89-94	3787**78-86-92
6	3760	3576F/66-78-85	3723*/76-82-88	3760*/79-83-89	3773*/75-83-89
			3729**76-87-92	3772**80-89-94	3787**78-86-92
4	3760	3587F/66-78-85	3727*/77-82-88	3760*/79-83-89	3775*/76-83-89
			3733**77-87-93	3776**80-89-94	3787**78-86-92
2	3760	3598F/67-79-85	3730*/78-82-88	3760*/78-83-89	3777*/76-83-89
			3738**77-88-93	3780**81-90-95	3787**78-86-92
0	3760	3608F/67-79-85	3734*/78-82-88	3760*/78-83-89	3779*/76-83-89
			3742**78-88-93	3785**82-89-94	3787**78-86-92
-2	3760	3616*/68-79-85	3737*/79-83-88	3760*/77-83-89	3781*/76-83-89
			3746**78-88-93	3787**82-88-93	3787**78-86-92
-4	3760	3619*/68-79-86	3741*/79-83-88	3760*/77-83-89	3783*/76-83-89
			3751**79-88-93	3787**83-86-92	3787**78-86-92
-6	3760	3623*/69-79-86	3742*/79-83-88	3760*/76-83-89	3785*/76-83-89
		3625**69-80-87	3755**80-88-94	3787**82-86-92	3787**78-86-92
-8	3759	3627*/69-79-86	3744*/79-83-88	3759*/76-83-89	3787*/76-83-89
		3629**69-81-87	3759**80-89-94	3787**82-86-92	3787**79-86-92
-10	3759	3631*/70-80-86	3746*/79-83-88	3759*/75-83-89	3787F/76-83-89
		3633**70-82-88	3763**81-89-94	3787**81-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 420 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 0 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
01R	155	3915	0	251	4164	0			

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2834*/54-57-62	2911*/56-57-62	2935*/56-57-62	2957*/56-57-62
		2767**59-66-70	2811**69-76-79	2822**72-79-82	2830**76-83-85
58A	2774	2892*/56-59-63	2973*/57-59-63	2998*/58-59-63	3021*/58-59-63
		2824**59-67-70	2869**69-77-79	2880**73-80-82	2888**76-83-86
56A	2841	2951*/57-61-65	3035*/58-61-65	3061*/59-61-65	3087*/59-61-65
		2882**59-67-71	2931**69-77-80	2943**73-80-83	2953**76-84-86
54	2906	3004F/58-63-67	3096*/60-63-67	3124*/60-63-67	3150*/61-63-67
		2941**59-68-72	2994**69-77-81	3008**73-81-84	3019**76-84-87
52	2974	3048F/59-65-69	3159*/61-65-69	3188*/61-65-69	3216*/62-65-69
		3001**59-68-72	3058**69-78-81	3073**73-81-84	3086**76-85-87
50	3043	3091F/59-66-71	3222*/62-66-71	3252*/63-66-71	3282*/63-66-71
		3061**59-69-73	3121**69-78-82	3138**73-82-85	3153**76-85-88
48	3119	3137F/59-68-73	3291*/64-68-73	3323*/64-68-73	3354*/65-68-73
		3126**59-69-74	3189**69-79-83	3206**73-82-86	3221**77-86-89
46	3195	3183F/59-70-75	3360*/65-70-75	3394*/65-70-75	3426*/66-70-75
			3258**69-79-83	3276**73-83-86	3293**77-86-89
44	3269	3228F/59-71-76	3427*/66-72-77	3463*/67-72-77	3503*/67-72-77
			3325**69-80-84	3345**73-83-87	3364**77-86-90
42	3346	3275F/60-72-77	3494F/67-74-79	3540*/68-74-79	3574*/69-74-79
			3393**69-80-85	3415**73-84-88	3434**77-87-91
40	3420	3318F/60-73-79	3543F/68-76-81	3604*/69-76-81	3639*/70-76-81
			3461**69-81-85	3487**73-84-88	3511**76-87-91
38	3498	3364F/60-74-80	3590F/69-77-82	3663F/70-77-82	3703*/71-77-82
			3533**69-81-86	3558**73-84-89	3581**76-88-92
36	3570	3406F/60-75-81	3633F/69-79-84	3707F/71-79-84	3764*/72-79-84
			3594**69-81-87	3620**73-85-90	3645**76-88-93
34	3636	3445F/61-75-82	3673F/69-80-86	3748F/72-80-86	3787F/73-80-86
			3651**69-82-87	3677**73-85-90	3703**76-89-93
32	3699	3485F/61-76-83	3709F/69-82-87	3784F/73-82-87	3787F/74-82-87
			3703**69-82-88	3732**72-85-91	3760**76-89-94
30	3757	3525F/61-77-83	3744F/69-83-88	3787F/73-83-89	3787F/74-83-89
				3782**72-86-91	3787**77-87-92
28	3757	3534F/61-77-84	3755F/69-83-89	3787F/74-83-89	3787F/75-83-89
				3786**73-86-92	3787**77-87-92
26	3757	3544F/61-77-84	3766F/70-83-89	3787F/74-83-89	3787F/75-83-89
			3761**70-84-89	3787**73-86-92	3787**77-86-92
24	3757	3554F/62-77-84	3777F/70-83-89	3787F/74-83-89	3787F/75-83-89
			3765**70-84-90	3787**74-86-92	3787**77-86-92
22	3758	3564F/62-78-84	3787F/71-83-89	3787F/74-83-89	3787F/75-83-89
			3770**71-84-90	3787**75-86-92	3787**77-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19L VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3574F/62-78-84	3787F/71-83-89	3787F/74-83-89	3787F/75-83-89
			3774**71-85-90	3787**75-86-92	3787**78-86-92
18	3758	3584F/62-78-85	3787F/72-83-89	3787F/74-83-89	3787F/75-83-89
			3779**72-85-91	3787**76-86-92	3787**78-86-92
16	3758	3595F/63-79-85	3787F/73-83-89	3787F/74-83-89	3787F/75-83-89
			3783**72-86-91	3787**76-86-92	3787**78-86-92
14	3758	3605F/63-79-85	3787F/73-83-89	3787F/74-83-89	3787F/75-83-89
			3787**73-86-92	3787**77-86-92	3787**78-86-92
12	3759	3616F/63-79-85	3787F/73-83-89	3787F/74-83-89	3787F/75-83-89
			3787**73-86-92	3787**77-86-92	3787**78-86-92
10	3759	3626F/64-79-86	3787F/74-83-89	3787F/74-83-89	3787F/75-83-89
			3787**74-86-92	3787**77-86-92	3787**78-86-92
8	3759	3637F/64-80-86	3787F/74-83-89	3787F/74-83-89	3787F/75-83-89
			3787**74-86-92	3787**77-86-92	3787**78-86-92
6	3760	3648F/64-80-86	3787F/74-83-89	3787F/75-83-89	3787F/75-83-89
			3787**75-86-92	3787**77-86-92	3787**78-86-92
4	3760	3659F/65-80-86	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**76-86-92	3787**77-86-92	3787**78-86-92
2	3760	3670F/65-81-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**76-86-92	3787**77-86-92	3787**78-86-92
0	3760	3681F/65-81-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**76-86-92	3787**77-86-92	3787**78-86-92
-2	3760	3692F/66-81-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**77-86-92	3787**78-86-92
-4	3760	3703F/66-82-87	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**78-86-92
-6	3760	3714F/66-82-88	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**78-86-92
-8	3759	3726F/67-82-88	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**79-86-92
-10	3759	3737F/67-83-88	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**77-86-92	3787**78-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3800 M LONG WITH 550 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19L	28	1109	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2707	2731*/54-57-62	2792*/56-57-62	2811*/56-57-62	2829*/56-57-62
		2732**54-61-65	2787**64-70-73	2802**67-74-76	2814**70-77-79
58A	2774	2790*/54-59-63	2856*/57-59-63	2875*/58-59-63	2894*/58-59-63
		2788**54-61-65	2844**64-71-74	2859**67-74-77	2872**71-77-80
56A	2841	2847*/54-61-65	2920*/58-61-65	2940*/59-61-65	2960*/59-61-65
		2845**54-62-66	2904**64-71-75	2921**67-75-78	2935**71-78-81
54	2906	2894F/54-62-67	2983*/60-63-67	3004*/60-63-67	3024*/61-63-67
			2965**64-72-75	2982**67-75-78	2997**71-78-81
52	2974	2937F/55-63-68	3048*/61-65-69	3070*/61-65-69	3091*/62-65-69
			3026**64-72-76	3045**68-76-79	3062**71-79-82
50	3043	2979F/55-64-69	3114*/62-66-71	3137*/63-66-71	3159*/63-66-71
			3087**64-73-77	3108**68-76-80	3126**71-79-83
48	3119	3024F/55-65-71	3186*/64-68-73	3209*/64-68-73	3232*/65-68-73
			3154**64-73-77	3174**68-77-80	3193**71-80-83
46	3195	3068F/56-66-72	3259*/65-70-75	3283*/65-70-75	3307*/66-70-75
			3220**64-74-78	3242**68-77-81	3263**71-80-84
44	3269	3111F/56-67-73	3313F/65-72-77	3355*/67-72-77	3379*/67-72-77
			3285**64-74-79	3309**68-77-82	3331**71-81-85
42	3346	3156F/57-68-75	3362F/64-74-79	3428*/68-74-79	3453*/69-74-79
			3352**64-75-80	3376**68-78-83	3399**71-81-86
40	3420	3197F/57-69-76	3406F/64-75-81	3486F/68-76-81	3531*/70-76-81
				3442**68-78-83	3469**71-82-86
38	3498	3240F/57-70-77	3454F/65-76-82	3539F/68-77-82	3601*/71-77-82
				3514**68-79-84	3540**71-82-87
36	3570	3281F/57-71-78	3507F/65-77-83	3581F/68-79-84	3656F/72-79-84
				3574**68-79-84	3602**71-82-87
34	3636	3318F/58-72-79	3547F/65-78-84	3621F/68-80-85	3696F/72-80-86
					3659**71-83-88
32	3699	3351F/58-73-80	3582F/65-78-85	3656F/68-81-86	3732F/72-82-87
					3712**71-83-89
30	3757	3384F/58-73-81	3616F/66-79-85	3691F/68-81-87	3768F/71-83-89
					3761**71-84-89
28	3757	3394F/58-73-81	3626F/66-79-86	3702F/69-82-87	3779F/72-83-89
					3766**72-84-90
26	3757	3403F/59-74-81	3637F/66-80-86	3713F/69-82-88	3787F/73-83-89
					3770**72-85-90
24	3757	3413F/59-74-81	3647F/67-80-86	3724F/69-82-88	3787F/73-83-89
					3775**73-85-90
22	3758	3423F/59-74-82	3658F/67-80-86	3735F/70-82-88	3787F/74-83-89
					3780**73-86-91

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 5 FT RUNWAY 19R VTBS

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF SUVARNABUMI BANGKO
BANGKOK BKK
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3758	3433F/59-75-82	3669F/67-81-87	3746F/70-83-88	3787F/74-83-89
					3784**74-86-91
18	3758	3444F/60-75-82	3680F/68-81-87	3757F/70-83-89	3787F/75-83-89
					3787**74-86-92
16	3758	3454F/60-75-82	3690F/68-81-87	3768F/71-83-89	3787F/75-83-89
				3762**71-84-89	3787**75-86-92
14	3758	3466F/60-75-83	3702F/68-82-87	3780F/72-83-89	3787F/75-83-89
				3767**71-84-90	3787**75-86-92
12	3759	3479F/60-76-83	3713F/69-82-88	3787F/72-83-89	3787F/75-83-89
				3772**72-85-90	3787**76-86-92
10	3759	3493F/61-76-83	3724F/69-82-88	3787F/73-83-89	3787F/75-83-89
				3777**72-85-91	3787**77-86-92
8	3759	3506F/61-76-83	3736F/69-83-88	3787F/73-83-89	3787F/75-83-89
				3782**73-86-91	3787**77-86-92
6	3760	3518F/61-76-83	3747F/70-83-89	3787F/74-83-89	3787F/75-83-89
				3786**73-86-91	3787**78-86-92
4	3760	3529F/62-77-83	3759F/70-83-89	3787F/75-83-89	3787F/76-83-89
				3787**74-86-92	3787**78-86-92
2	3760	3539F/62-77-84	3770F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3764**71-84-89	3787**75-86-92	3787**78-86-92
0	3760	3550F/62-77-84	3782F/71-83-89	3787F/75-83-89	3787F/76-83-89
			3769**71-84-90	3787**75-86-92	3787**78-86-92
-2	3760	3561F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3774**72-85-90	3787**76-86-92	3787**78-86-92
-4	3760	3572F/63-78-84	3787F/72-83-89	3787F/75-83-89	3787F/76-83-89
			3778**72-85-91	3787**76-86-92	3787**78-86-92
-6	3760	3582F/63-78-85	3787F/73-83-89	3787F/75-83-89	3787F/76-83-89
			3783**73-86-91	3787**77-86-92	3787**78-86-92
-8	3759	3594F/64-78-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**73-86-92	3787**78-86-92	3787**79-86-92
-10	3759	3605F/64-79-85	3787F/74-83-89	3787F/75-83-89	3787F/76-83-89
			3787**74-86-92	3787**78-86-92	3787**79-86-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3500 M LONG WITH 700 M OF CLEARWAY AND 0 M OF STOPWAY
RUNWAY SLOPES ARE 0.00 PERCENT FOR TODA AND 0.00 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
19R	170	4006	0						

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2561	2409F/54-58-62	2560F/61-64-66	2610F/61-64-66	2662F/61-64-66
				2577**64-67-69	2592**67-70-72
58A	2617	2448F/55-59-63	2602F/62-65-68	2653F/63-65-68	2705F/63-65-68
				2629**65-68-70	2644**68-71-73
56A	2679	2488F/56-60-65	2647F/63-66-69	2699F/64-67-70	2751F/65-67-70
				2685**65-68-71	2701**68-72-74
54A	2742	2527F/57-62-66	2687F/63-67-70	2742F/65-69-72	2796F/66-69-72
					2758**69-72-75
52A	2802	2561F/57-62-67	2723F/64-68-72	2778F/66-70-73	2835F/67-71-74
					2812**69-73-76
50A	2860	2594F/58-63-68	2758F/64-69-73	2814F/66-71-74	2872F/69-72-76
					2864**69-73-76
48	2925	2631F/58-64-69	2796F/65-70-74	2853F/67-72-76	2912F/69-74-77
46	2997	2669F/59-65-71	2837F/65-71-75	2895F/68-73-77	2954F/70-75-79
44	3070	2708F/59-66-72	2877F/66-72-77	2936F/68-74-78	2996F/71-76-80
42	3150	2730T/59-67-73	2922F/66-73-78	2981F/69-75-80	3042F/71-77-81
40	3228	2745T/59-67-73	2963F/67-74-79	3024F/69-76-81	3086F/72-78-83
38	3298	2761T/59-67-74	3001F/67-75-81	3063F/70-77-82	3125F/72-79-84
36	3364	2777T/59-67-75	3035F/68-76-82	3098F/70-78-83	3161F/73-80-85
34	3429	2794T/58-67-75	3070F/68-77-83	3133F/71-79-84	3197F/73-81-86
32	3495	2811T/58-68-76	3102F/68-77-84	3166F/71-80-85	3231F/73-82-87
30	3545	2829T/58-68-77	3127T/69-78-84	3195F/71-80-86	3261F/74-82-88
28	3589	2847T/59-69-77	3147T/69-78-85	3223F/72-81-87	3289F/74-83-89
26	3633	2866T/59-69-78	3168T/69-79-86	3250F/72-82-88	3318F/75-84-89
24	3660	2886T/59-70-78	3190T/70-80-86	3270F/72-82-88	3338F/75-84-90
22	3660	2907T/60-70-79	3213F/70-80-87	3280F/73-82-89	3349F/75-84-90
20	3660	2928T/60-71-79	3223F/70-81-87	3290F/73-83-89	3359F/76-85-91
18	3660	2950T/61-72-80	3232F/71-81-87	3300F/73-83-89	3370F/76-85-91
16	3660	2973T/62-73-81	3242F/71-81-88	3310F/74-83-89	3381F/76-85-91
14	3660	2995T/62-73-81	3252F/71-82-88	3321F/74-84-90	3392F/77-86-91
12	3661	3018T/63-74-82	3262F/72-82-88	3332F/74-84-90	3403F/77-86-92
10	3661	3042T/64-75-83	3273F/72-82-88	3342F/75-84-90	3414F/77-86-92
8	3661	3066T/65-76-83	3283F/72-82-89	3353F/75-85-90	3426F/78-87-92
6	3662	3090T/65-76-84	3294F/73-83-89	3364F/75-85-91	3437F/78-87-92
4	3662	3105F/65-77-84	3304F/73-83-89	3375F/76-85-91	3449F/78-87-93
2	3662	3115F/66-77-84	3315F/73-83-89	3387F/76-86-91	3461F/79-88-93
0	3662	3124F/66-77-85	3326F/74-84-90	3398F/76-86-91	3476F/79-88-93
-2	3662	3134F/66-78-85	3337F/74-84-90	3409F/77-86-92	3490F/79-88-93
-4	3662	3144F/67-78-85	3348F/75-84-90	3421F/77-87-92	3505F/79-88-93

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-6	3662	3154F/67-78-85	3359F/75-85-91	3433F/77-87-92	3519F/80-89-94
-8	3662	3164F/67-79-86	3371F/75-85-91	3444F/78-87-93	3530F/80-89-94
-10	3662	3174F/68-79-86	3382F/76-85-91	3457F/78-88-93	3542F/81-89-94

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2561	2390F/54-58-61	2538F/61-63-66	2588F/62-64-66	2639F/62-64-66
				2570**63-65-68	2586**66-69-71
58A	2617	2429F/55-59-63	2581F/62-64-67	2631F/63-65-68	2682F/64-65-68
				2622**64-66-69	2638**67-69-72
56A	2679	2469F/56-60-64	2625F/63-65-69	2676F/65-67-70	2728F/65-67-70
					2694**68-70-73
54A	2742	2509F/57-61-65	2668F/63-67-70	2720F/65-68-71	2773F/67-69-72
					2751**68-71-74
52A	2802	2545F/57-62-67	2704F/64-67-71	2759F/66-69-73	2815F/68-71-74
					2806**68-72-75
50A	2860	2578F/58-63-68	2739F/64-68-72	2795F/66-70-74	2852F/69-72-75
48	2925	2614F/58-64-69	2778F/65-69-74	2834F/67-71-75	2892F/69-73-77
46	2997	2653F/59-65-70	2818F/65-70-75	2876F/68-72-76	2934F/70-74-78
44	3070	2691F/59-66-71	2859F/66-71-76	2917F/68-73-78	2976F/71-75-79
42	3150	2730T/60-67-73	2903F/67-73-78	2962F/69-74-79	3022F/71-76-81
40	3228	2745T/60-67-73	2945F/67-74-79	3005F/69-76-80	3066F/72-78-82
38	3298	2761T/59-67-74	2983F/68-74-80	3044F/70-76-82	3106F/72-78-83
36	3364	2777T/59-67-75	3017F/68-75-81	3079F/70-77-83	3141F/73-79-84
34	3429	2794T/59-67-75	3051F/68-76-82	3114F/71-78-84	3177F/73-80-85
32	3495	2811T/59-68-76	3084F/69-77-83	3147F/71-79-85	3211F/74-81-86
30	3545	2829T/59-68-77	3113F/69-78-84	3176F/72-80-86	3241F/74-82-87
28	3589	2847T/59-69-77	3140F/69-78-85	3204F/72-80-87	3269F/74-82-88
26	3633	2866T/59-69-78	3166F/70-79-86	3231F/72-81-87	3297F/75-83-89
24	3660	2886T/60-70-78	3185F/70-79-86	3250F/73-81-88	3318F/75-84-90
22	3660	2907T/61-70-79	3194F/70-80-86	3260F/73-82-88	3328F/75-84-90
20	3660	2928T/61-71-79	3204F/71-80-87	3270F/73-82-88	3338F/76-84-90
18	3660	2950T/62-72-80	3213F/71-80-87	3280F/74-82-89	3349F/76-84-90
16	3660	2973T/63-73-81	3223F/71-81-87	3290F/74-83-89	3360F/76-85-91
14	3660	2995T/63-73-81	3233F/72-81-87	3301F/74-83-89	3370F/77-85-91
12	3661	3018T/64-74-82	3243F/72-81-88	3311F/75-83-89	3381F/77-85-91
10	3661	3042T/65-75-83	3253F/72-82-88	3322F/75-84-90	3392F/77-86-91
8	3661	3066T/65-76-83	3263F/73-82-88	3332F/75-84-90	3403F/78-86-92
6	3662	3077F/65-76-83	3273F/73-82-88	3343F/76-84-90	3414F/78-86-92
4	3662	3087F/66-76-84	3284F/73-83-89	3354F/76-85-90	3426F/79-87-92
2	3662	3096F/66-77-84	3295F/74-83-89	3365F/76-85-91	3437F/79-87-92
0	3662	3106F/66-77-84	3305F/74-83-89	3376F/77-85-91	3449F/79-87-93
-2	3662	3115F/67-77-84	3316F/74-83-90	3387F/77-86-91	3462F/80-88-93
-4	3662	3125F/67-77-85	3327F/75-84-90	3399F/77-86-91	3476F/80-88-93
-6	3662	3135F/67-78-85	3338F/75-84-90	3410F/78-86-92	3491F/80-88-93

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
-8	3662	3145F/68-78-85	3349F/76-84-90	3422F/78-87-92	3506F/80-88-93
-10	3662	3155F/68-78-85	3360F/76-85-91	3433F/78-87-92	3519F/81-89-94

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2452	2531F/47-50-54	2688F/48-50-54	2742F/49-50-54	2798F/49-50-54
		2484**51-55-58	2533**61-65-67	2545**64-68-70	2555**67-71-73
58A	2511	2574F/49-52-56	2733F/50-52-56	2788F/50-52-56	2845F/51-52-56
		2536**52-56-59	2585**62-65-68	2598**65-69-71	2608**68-72-74
56A	2572	2619F/51-54-58	2779F/52-54-58	2835F/52-54-58	2893F/52-54-58
		2590**53-56-60	2642**62-66-69	2655**66-69-72	2666**69-73-75
54A	2632	2658F/52-55-59	2825F/53-55-59	2882F/53-55-59	2940F/54-55-59
		2641**53-57-61	2696**62-67-69	2711**66-70-73	2723**69-73-76
52A	2687	2693F/53-57-61	2869F/55-57-61	2927F/55-57-61	2985F/55-57-61
		2689**53-57-61	2748**63-67-70	2764**66-70-73	2778**69-73-76
50A	2743	2728F/54-58-62	2906F/56-58-63	2969F/56-58-63	3030F/57-58-63
			2799**63-67-71	2816**66-71-74	2831**69-74-77
48	2807	2767F/54-59-63	2947F/57-60-65	3010F/58-60-65	3073F/58-60-65
			2855**63-68-71	2873**66-71-74	2889**70-74-77
46	2876	2807F/54-60-65	2990F/58-62-66	3053F/59-62-66	3118F/59-62-66
			2916**63-68-72	2935**66-71-75	2953**70-75-78
44	2944	2847F/55-61-66	3032F/60-64-68	3096F/60-64-68	3162F/61-64-68
			2976**63-68-73	2997**66-72-75	3015**70-75-79
42	3022	2892F/55-62-67	3079F/61-66-71	3144F/62-66-71	3211F/62-66-71
			3043**63-69-73	3065**66-72-76	3085**70-75-79
40	3096	2933F/56-63-69	3123F/62-68-73	3189F/63-68-73	3256F/64-68-73
			3106**63-69-74	3130**66-73-77	3151**70-76-80
38	3161	2971F/56-64-70	3162F/63-70-74	3229F/64-70-74	3299F/65-70-74
				3186**67-73-77	3209**70-76-80
36	3219	3004F/56-64-71	3198F/64-70-75	3266F/65-71-76	3337F/66-71-76
				3236**67-73-78	3261**70-77-81
34	3278	3038F/57-65-72	3234F/64-71-76	3304F/66-72-77	3375F/67-72-77
				3288**67-74-79	3314**70-77-82
32	3336	3069F/57-66-73	3268F/64-72-77	3339F/67-74-79	3412F/68-74-79
				3337**67-74-79	3365**70-77-82
30	3382	3097F/57-67-73	3299F/65-73-78	3371F/67-75-80	3444F/68-75-80
					3406**70-78-83
28	3424	3124F/58-67-74	3328F/65-73-79	3401F/67-75-81	3479F/69-76-81
					3444**70-78-83
26	3467	3149F/58-68-75	3357F/65-74-80	3430F/68-76-81	3516F/69-77-82
					3485**71-78-84
24	3492	3168F/58-68-75	3377F/66-74-80	3451F/68-76-82	3537F/70-77-82
					3511**71-79-84
22	3492	3177F/58-69-76	3387F/66-75-80	3463F/68-77-82	3548F/70-77-82
					3516**71-79-84

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 17 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT	CLIMB	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND)			
C	100KG	-10	0	10	20
20	3492	3186F/59-69-76	3398F/66-75-81	3476F/69-77-82	3559F/70-77-82
					3520**72-80-85
18	3492	3196F/59-69-76	3408F/66-75-81	3490F/69-77-82	3569F/70-77-82
					3524**72-80-85
16	3493	3205F/59-69-76	3419F/67-75-81	3504F/69-77-82	3580F/70-77-82
				3497**69-77-83	3529**73-81-86
14	3493	3215F/60-70-76	3430F/67-76-81	3517F/69-77-82	3592F/70-77-82
				3502**70-78-83	3533**73-81-86
12	3493	3224F/60-70-77	3441F/67-76-82	3528F/69-77-82	3603F/70-77-82
				3507**70-78-84	3538**74-82-87
10	3493	3234F/60-70-77	3452F/68-76-82	3539F/69-77-82	3614F/70-77-82
				3513**71-79-84	3542**74-82-87
8	3493	3244F/60-71-77	3465F/68-77-82	3550F/70-77-82	3626F/70-77-82
				3518**71-79-84	3547**75-83-88
6	3494	3254F/61-71-77	3479F/68-77-82	3561F/70-77-82	3637F/70-77-82
				3522**72-80-85	3551**75-83-88
4	3494	3264F/61-71-78	3493F/69-77-82	3573F/70-77-82	3649F/70-77-82
				3527**72-80-85	3556**76-84-89
2	3494	3274F/61-71-78	3507F/69-77-82	3584F/70-77-82	3661F/71-77-82
			3499**69-78-83	3531**73-81-86	3560**76-85-89
0	3494	3284F/62-72-78	3520F/69-77-82	3595F/70-77-82	3672F/71-77-82
			3505**69-78-83	3536**73-82-86	3565**77-85-90
-2	3494	3295F/62-72-78	3531F/69-77-82	3607F/70-77-82	3684F/71-77-82
			3510**70-79-84	3540**74-82-87	3569**77-86-90
-4	3494	3305F/62-72-79	3542F/69-77-82	3619F/70-77-82	3697F/71-77-82
			3515**70-79-84	3545**74-83-87	3573**78-86-91
-6	3494	3316F/63-73-79	3554F/69-77-82	3630F/70-77-82	3709F/71-77-82
			3520**71-80-85	3550**75-83-88	3577**78-87-91
-8	3494	3327F/63-73-79	3565F/69-77-82	3642F/70-77-82	3721F/71-77-82
			3524**71-80-85	3554**75-84-88	3581**79-87-92
-10	3494	3338F/63-73-79	3577F/69-77-82	3654F/70-77-82	3733F/71-77-82
			3529**72-81-86	3559**76-84-89	3586**79-88-92

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE -0.19 PERCENT FOR TODA AND -0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
17	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2452	2509F/48-50-54	2664F/49-50-54	2718F/49-50-54	2773F/49-50-54
		2477**51-54-57	2527**60-63-66	2541**63-67-69	2552**67-70-72
58A	2511	2552F/50-52-56	2709F/50-52-56	2763F/51-52-56	2819F/51-52-56
		2528**52-55-58	2580**61-64-67	2593**64-67-70	2604**67-71-73
56A	2572	2597F/51-54-58	2755F/52-54-58	2810F/52-54-58	2867F/53-54-58
		2582**52-55-59	2636**62-65-68	2650**65-68-71	2662**68-72-74
54A	2632	2639F/53-55-59	2801F/54-55-59	2857F/54-55-59	2914F/54-55-59
		2634**53-56-60	2691**62-65-68	2706**65-69-71	2720**68-72-74
52A	2687	2675F/53-57-61	2845F/55-57-61	2901F/55-57-61	2959F/56-57-61
			2742**62-66-69	2759**65-69-72	2773**69-72-75
50A	2743	2710F/54-57-62	2886F/56-58-63	2945F/57-58-63	3003F/57-58-63
			2792**62-66-70	2810**66-69-73	2826**69-73-76
48	2807	2748F/54-58-63	2927F/58-60-65	2988F/58-60-65	3051F/59-60-65
			2848**63-67-70	2867**66-70-73	2884**69-73-76
46	2876	2789F/55-59-64	2970F/59-62-66	3032F/59-62-66	3096F/60-62-66
			2909**63-67-71	2929**66-70-74	2947**69-74-77
44	2944	2829F/55-60-65	3012F/60-64-68	3076F/61-64-68	3140F/61-64-68
			2969**63-67-72	2990**66-71-75	3009**69-74-78
42	3022	2873F/55-61-67	3059F/62-66-71	3123F/62-66-71	3189F/63-66-71
			3036**63-68-72	3058**66-71-75	3079**69-74-78
40	3096	2915F/56-62-68	3103F/63-68-73	3168F/64-68-73	3235F/64-68-73
			3099**63-68-73	3122**66-71-76	3144**70-75-79
38	3161	2952F/56-63-69	3142F/63-69-74	3208F/65-70-74	3276F/65-70-74
				3178**66-72-76	3202**70-75-79
36	3219	2985F/57-64-70	3177F/64-70-75	3244F/66-71-76	3314F/66-71-76
				3228**66-72-77	3254**70-76-80
34	3278	3019F/57-65-71	3213F/64-71-76	3282F/67-72-77	3353F/67-72-77
				3280**67-73-78	3306**70-76-81
32	3336	3050F/57-65-72	3247F/64-71-77	3317F/67-73-78	3389F/68-74-79
					3357**70-76-81
30	3382	3079F/58-66-73	3278F/65-72-78	3349F/67-74-79	3422F/69-75-80
					3398**70-77-82
28	3424	3105F/58-67-74	3307F/65-73-78	3379F/68-75-80	3452F/70-76-81
					3435**70-77-82
26	3467	3131F/58-67-74	3335F/65-73-79	3408F/68-75-81	3488F/70-77-82
					3475**71-77-83
24	3492	3149F/58-68-75	3356F/66-74-80	3429F/68-76-81	3515F/70-77-82
					3500**71-78-83
22	3492	3158F/59-68-75	3366F/66-74-80	3439F/69-76-82	3525F/71-77-82
					3505**71-78-83

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 2582 FT RUNWAY 35 HBBA

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BUJUMBUBA
BJM
777-300ER GE90-115BL DATED 22-MAY-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
20	3492	3167F/59-68-75	3376F/66-74-80	3450F/69-76-82	3536F/71-77-82
					3510**72-79-84
18	3492	3176F/59-69-76	3387F/67-75-80	3462F/69-77-82	3547F/71-77-82
					3516**72-79-84
16	3493	3185F/60-69-76	3397F/67-75-81	3475F/69-77-82	3558F/71-77-82
					3520**73-80-85
14	3493	3195F/60-69-76	3408F/67-75-81	3489F/70-77-82	3569F/71-77-82
					3524**73-80-85
12	3493	3204F/60-69-76	3418F/68-75-81	3503F/70-77-82	3580F/71-77-82
				3497**70-77-83	3529**74-81-86
10	3493	3214F/61-70-76	3429F/68-76-81	3516F/70-77-82	3591F/71-77-82
				3502**71-78-83	3533**74-81-86
8	3493	3224F/61-70-77	3440F/68-76-82	3527F/70-77-82	3602F/71-77-82
				3507**71-78-84	3538**75-82-87
6	3494	3234F/61-70-77	3451F/69-76-82	3538F/70-77-82	3614F/71-77-82
				3513**72-79-84	3542**75-82-87
4	3494	3243F/61-71-77	3464F/69-77-82	3550F/70-77-82	3625F/71-77-82
				3518**72-79-84	3547**76-83-88
2	3494	3253F/62-71-77	3478F/69-77-82	3561F/71-77-82	3637F/71-77-82
				3522**73-80-85	3552**76-83-88
0	3494	3263F/62-71-78	3493F/70-77-82	3572F/71-77-82	3649F/71-77-82
				3527**73-80-85	3556**77-84-89
-2	3494	3274F/62-71-78	3507F/70-77-82	3584F/71-77-82	3660F/71-77-82
			3499**70-78-83	3531**74-81-86	3560**77-85-89
-4	3494	3284F/63-72-78	3520F/70-77-82	3595F/71-77-82	3672F/71-77-82
			3504**70-78-83	3536**74-82-86	3564**78-85-90
-6	3494	3295F/63-72-78	3531F/70-77-82	3607F/71-77-82	3684F/72-77-82
			3510**71-79-84	3540**75-82-87	3569**78-86-90
-8	3494	3305F/63-72-79	3542F/70-77-82	3619F/71-77-82	3696F/72-77-82
			3515**71-79-84	3545**75-83-87	3573**79-86-91
-10	3494	3316F/64-73-79	3554F/70-77-82	3630F/71-77-82	3708F/72-77-82
			3520**72-80-85	3549**76-83-88	3577**79-87-91

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 430 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 3600 M LONG WITH 60 M OF CLEARWAY AND 60 M OF STOPWAY
RUNWAY SLOPES ARE 0.19 PERCENT FOR TODA AND 0.19 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
35	NONE								

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019
A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2701	2126F/40-47-54	2292F/48-53-59	2349F/51-55-60	2408F/54-57-62
58A	2761	2162F/41-48-55	2329F/49-54-60	2387F/52-56-62	2446F/55-58-64
56A	2828	2198F/42-49-56	2367F/50-55-61	2426F/53-57-63	2486F/56-60-65
54A	2893	2233F/42-50-58	2404F/51-56-63	2463F/54-58-64	2524F/56-61-66
52	2956	2266F/43-51-59	2439F/52-57-64	2499F/55-59-66	2561F/57-62-67
50	3024	2304F/44-52-60	2478F/53-58-65	2539F/55-60-67	2601F/58-63-69
48	3095	2342F/45-53-61	2520F/54-59-67	2581F/56-62-68	2644F/59-64-70
46	3172	2382F/46-54-63	2562F/54-61-68	2624F/57-63-70	2688F/60-65-72
44	3251	2423F/47-55-64	2605F/55-62-70	2669F/58-64-71	2732F/61-66-73
42	3326	2463F/47-56-66	2648F/56-63-71	2711F/59-65-73	2771F/61-67-74
40	3406	2500F/48-57-67	2687F/57-64-72	2747F/59-66-74	2808F/62-68-76
38	3482	2537F/49-58-68	2722F/57-65-73	2783F/60-67-75	2845F/62-69-77
36	3566	2575F/50-59-69	2758F/58-66-75	2819F/60-68-76	2882F/63-70-78
34	3636	2607F/50-60-71	2789F/58-66-76	2851F/61-68-77	2914F/63-71-79
32	3697	2633F/51-61-71	2815F/58-67-76	2878F/61-69-78	2942F/63-71-80
30	3747	2657F/51-61-72	2841F/59-68-77	2904F/61-70-79	2969F/64-72-81
28	3787	2681F/51-62-73	2866F/59-68-78	2930F/62-70-80	2996F/64-73-82
26	3787	2692F/51-62-73	2878F/59-69-78	2942F/62-71-80	3008F/64-73-82
24	3787	2699F/52-62-74	2886F/60-69-79	2951F/62-71-80	3017F/65-73-82
22	3787	2707F/52-63-74	2895F/60-69-79	2959F/62-71-81	3026F/65-74-82
20	3787	2715F/52-63-74	2903F/60-69-79	2968F/63-72-81	3035F/65-74-83
18	3787	2723F/53-63-74	2912F/60-70-79	2977F/63-72-81	3045F/66-74-83
16	3787	2731F/53-63-74	2921F/61-70-80	2986F/63-72-81	3054F/66-74-83
14	3787	2739F/53-64-75	2929F/61-70-80	2996F/64-73-82	3064F/66-75-83
12	3787	2747F/53-64-75	2938F/61-71-80	3005F/64-73-82	3073F/67-75-84
10	3787	2755F/54-64-75	2948F/62-71-80	3015F/64-73-82	3083F/67-75-84
8	3787	2764F/54-65-75	2957F/62-71-81	3024F/65-73-82	3093F/67-76-84
6	3787	2772F/54-65-76	2966F/62-72-81	3034F/65-74-83	3103F/68-76-84
4	3787	2780F/55-65-76	2976F/63-72-81	3044F/65-74-83	3113F/68-76-85
2	3787	2789F/55-65-76	2985F/63-72-81	3053F/66-74-83	3123F/68-77-85
0	3787	2798F/55-66-76	2994F/63-72-82	3063F/66-75-83	3134F/69-77-85
-2	3787	2806F/56-66-76	3004F/64-73-82	3073F/66-75-84	3144F/69-77-85
-4	3787	2815F/56-66-77	3014F/64-73-82	3083F/67-75-84	3154F/70-78-86
-6	3787	2824F/56-67-77	3024F/64-73-82	3094F/67-76-84	3165F/70-78-86
-8	3787	2833F/57-67-77	3034F/65-74-83	3104F/68-76-84	3176F/70-78-86
-10	3787	2842F/57-67-77	3044F/65-74-83	3114F/68-76-85	3186F/71-79-87

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG
MINIMUM FLAP RETRACTION HEIGHT IS 400 FT
LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB
RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY
RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA
LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:
NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 05 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2701	2104F/40-46-53	2267F/48-52-58	2324F/51-54-60	2382F/53-56-61
58A	2761	2140F/41-47-54	2304F/49-53-59	2362F/52-55-61	2420F/54-58-63
56A	2828	2175F/42-48-56	2342F/50-54-61	2400F/53-56-62	2459F/55-59-64
54A	2893	2210F/42-49-57	2379F/51-55-62	2437F/53-57-64	2497F/56-60-65
52	2956	2243F/43-50-58	2414F/51-56-63	2473F/54-58-65	2534F/57-61-67
50	3024	2281F/44-51-59	2453F/52-57-64	2513F/55-60-66	2574F/58-62-68
48	3095	2320F/45-52-61	2494F/53-58-66	2555F/56-61-68	2617F/59-63-69
46	3172	2360F/46-53-62	2536F/54-60-67	2598F/57-62-69	2661F/60-64-71
44	3251	2401F/46-54-64	2579F/55-61-69	2642F/58-63-71	2705F/61-65-72
42	3326	2441F/47-55-65	2622F/56-62-70	2685F/59-64-72	2747F/61-66-74
40	3406	2477F/48-56-66	2661F/57-63-71	2723F/60-65-73	2784F/62-67-75
38	3482	2514F/49-57-68	2699F/58-64-73	2759F/60-66-74	2820F/62-68-76
36	3566	2551F/50-58-69	2735F/58-65-74	2795F/60-67-76	2857F/63-69-77
34	3636	2584F/50-59-70	2766F/58-65-75	2827F/61-68-77	2890F/63-70-78
32	3697	2611F/51-60-71	2792F/59-66-76	2854F/61-68-78	2917F/64-70-79
30	3747	2637F/51-60-72	2817F/59-67-77	2880F/61-69-78	2943F/64-71-80
28	3787	2661F/52-61-72	2843F/59-67-77	2906F/62-70-79	2970F/64-72-81
26	3787	2671F/52-61-73	2854F/60-68-78	2917F/62-70-79	2982F/65-72-81
24	3787	2678F/52-62-73	2862F/60-68-78	2926F/62-70-80	2991F/65-72-81
22	3787	2686F/52-62-73	2871F/60-68-78	2935F/63-70-80	3000F/65-73-82
20	3787	2694F/53-62-73	2879F/60-69-78	2943F/63-71-80	3009F/66-73-82
18	3787	2702F/53-62-74	2888F/61-69-79	2952F/63-71-80	3019F/66-73-82
16	3787	2709F/53-63-74	2896F/61-69-79	2961F/64-71-81	3028F/66-74-82
14	3787	2717F/54-63-74	2905F/61-69-79	2970F/64-72-81	3037F/67-74-83
12	3787	2725F/54-63-74	2914F/62-70-79	2980F/64-72-81	3047F/67-74-83
10	3787	2734F/54-64-74	2923F/62-70-80	2989F/65-72-81	3057F/67-75-83
8	3787	2742F/54-64-75	2932F/62-70-80	2998F/65-73-82	3066F/68-75-83
6	3787	2750F/55-64-75	2941F/63-71-80	3008F/65-73-82	3076F/68-75-84
4	3787	2759F/55-64-75	2950F/63-71-80	3017F/66-73-82	3086F/68-75-84
2	3787	2767F/55-65-75	2960F/63-71-81	3027F/66-74-82	3096F/69-76-84
0	3787	2775F/56-65-76	2969F/64-72-81	3037F/66-74-83	3106F/69-76-84
-2	3787	2784F/56-65-76	2978F/64-72-81	3047F/67-74-83	3116F/69-76-85
-4	3787	2792F/56-66-76	2988F/64-72-81	3056F/67-75-83	3127F/70-77-85
-6	3787	2801F/57-66-76	2998F/65-73-82	3066F/67-75-83	3137F/70-77-85
-8	3787	2810F/57-66-77	3007F/65-73-82	3077F/68-75-84	3148F/71-77-86
-10	3787	2818F/57-67-77	3017F/65-73-82	3087F/68-76-84	3158F/71-78-86

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 16 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2585	2237F/37-42-48	2417F/45-48-53	2479F/48-51-55	2538F/50-53-57
58A	2648	2274F/38-43-49	2456F/46-49-55	2519F/49-52-56	2581F/51-54-58
56A	2713	2311F/39-44-51	2496F/47-50-56	2560F/50-53-58	2624F/52-55-59
54A	2775	2348F/39-45-52	2535F/48-51-57	2600F/50-54-59	2666F/53-56-61
52	2833	2383F/40-46-53	2572F/48-52-58	2638F/51-55-60	2704F/54-57-62
50	2899	2422F/41-47-54	2613F/49-53-60	2680F/52-56-61	2747F/55-58-63
48	2969	2463F/42-48-56	2657F/50-55-61	2724F/53-57-63	2793F/56-59-65
46	3045	2505F/43-49-57	2701F/51-56-62	2769F/54-58-64	2836F/56-60-66
44	3121	2548F/43-50-58	2747F/52-57-64	2813F/55-59-65	2879F/57-61-67
42	3194	2591F/44-51-60	2789F/53-58-65	2854F/55-60-67	2921F/57-62-68
40	3266	2629F/45-52-61	2826F/53-59-66	2892F/55-61-68	2959F/58-63-70
38	3336	2668F/46-53-62	2862F/53-59-67	2929F/56-62-69	2997F/58-64-71
36	3411	2707F/46-54-63	2900F/54-60-68	2967F/56-62-70	3036F/59-65-72
34	3476	2737F/47-55-64	2932F/54-61-69	3000F/57-63-71	3070F/59-65-73
32	3532	2762F/47-55-65	2960F/54-62-70	3028F/57-64-72	3099F/60-66-74
30	3578	2787F/47-56-66	2986F/55-62-71	3055F/57-64-73	3126F/60-67-74
28	3626	2812F/47-56-67	3013F/55-63-72	3083F/58-65-73	3154F/60-67-75
26	3635	2823F/48-57-67	3025F/55-63-72	3095F/58-65-74	3167F/61-68-76
24	3635	2831F/48-57-67	3034F/56-63-72	3104F/58-66-74	3177F/61-68-76
22	3635	2839F/48-57-67	3043F/56-64-73	3114F/59-66-74	3187F/61-68-76
20	3635	2847F/49-58-68	3052F/56-64-73	3123F/59-66-75	3197F/61-68-76
18	3636	2856F/49-58-68	3061F/57-64-73	3133F/59-67-75	3207F/62-69-77
16	3636	2864F/49-58-68	3070F/57-65-73	3143F/60-67-75	3217F/62-69-77
14	3636	2873F/49-58-68	3080F/57-65-73	3152F/60-67-75	3227F/62-69-77
12	3636	2881F/50-59-68	3089F/58-65-74	3162F/60-67-75	3237F/63-70-77
10	3637	2890F/50-59-69	3099F/58-65-74	3172F/60-68-76	3248F/63-70-78
8	3637	2899F/50-59-69	3109F/58-66-74	3182F/61-68-76	3258F/63-70-78
6	3637	2908F/51-60-69	3119F/58-66-74	3193F/61-68-76	3269F/64-71-78
4	3637	2917F/51-60-69	3129F/59-66-75	3203F/61-69-76	3280F/64-71-78
2	3638	2926F/51-60-70	3139F/59-67-75	3214F/62-69-77	3291F/64-71-79
0	3638	2935F/51-60-70	3149F/59-67-75	3224F/62-69-77	3303F/65-72-79
-2	3638	2944F/52-61-70	3159F/60-67-75	3235F/62-70-77	3314F/65-72-79
-4	3638	2953F/52-61-70	3169F/60-68-76	3246F/63-70-77	3325F/65-72-79
-6	3637	2962F/52-61-71	3180F/60-68-76	3256F/63-70-78	3337F/66-72-80
-8	3637	2972F/53-62-71	3190F/61-68-76	3268F/63-71-78	3349F/66-73-80
-10	3637	2981F/53-62-71	3201F/61-69-76	3279F/64-71-78	3360F/66-73-80

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG

MINIMUM FLAP RETRACTION HEIGHT IS 400 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE -0.30 PERCENT FOR TODA AND -0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
16	60	1066	0	96	2130	0	112	2364	0
	122	2709	0	152	3050	0	194	4464	0

ENG-OUT PROCEDURE:

NONE

ELEVATION 1208 FT RUNWAY 34 FEFF

*** FLAPS 15 *** AIR COND OFF ANTI-ICE OFF BANGUI

777-300ER GE90-115BL DATED 30-SEP-2019

A INDICATES OAT OUTSIDE ENVIRONMENTAL ENVELOPE

OAT C	CLIMB 100KG	WIND COMPONENT IN KNOTS (MINUS DENOTES TAILWIND) -10	0	10	20
60A	2585	2213F/37-41-47	2389F/45-47-53	2451F/47-50-54	2508F/50-51-56
58A	2648	2250F/38-42-49	2429F/46-49-54	2491F/48-51-56	2550F/51-53-57
56A	2713	2287F/39-43-50	2468F/47-50-55	2531F/49-52-57	2594F/52-54-59
54A	2775	2323F/39-44-51	2507F/47-51-56	2570F/50-53-58	2635F/53-55-60
52	2833	2358F/40-45-52	2544F/48-51-58	2608F/51-54-59	2674F/54-56-61
50	2899	2397F/41-46-54	2585F/49-53-59	2650F/52-55-61	2717F/54-57-62
48	2969	2438F/42-47-55	2629F/50-54-60	2695F/53-56-62	2762F/55-58-64
46	3045	2480F/43-48-56	2673F/51-55-62	2740F/54-57-63	2807F/56-59-65
44	3121	2522F/43-49-58	2718F/52-56-63	2786F/55-58-65	2851F/57-60-66
42	3194	2565F/44-50-59	2763F/53-57-64	2828F/55-59-66	2894F/58-61-68
40	3266	2603F/45-51-60	2801F/53-58-66	2866F/56-60-67	2932F/58-62-69
38	3336	2642F/46-52-62	2837F/54-59-67	2903F/56-61-68	2971F/58-63-70
36	3411	2682F/47-53-63	2875F/54-59-68	2942F/57-62-69	3010F/59-64-71
34	3476	2715F/47-54-64	2907F/54-60-69	2974F/57-62-70	3043F/59-64-72
32	3532	2740F/47-55-65	2934F/55-61-70	3002F/57-63-71	3072F/60-65-73
30	3578	2765F/48-55-65	2961F/55-61-70	3029F/58-64-72	3099F/60-66-74
28	3626	2790F/48-56-66	2987F/55-62-71	3057F/58-64-73	3127F/61-66-75
26	3635	2800F/48-56-66	2999F/56-62-71	3069F/58-65-73	3140F/61-67-75
24	3635	2808F/48-56-67	3008F/56-63-72	3078F/59-65-73	3149F/61-67-75
22	3635	2816F/49-57-67	3017F/56-63-72	3087F/59-65-74	3159F/61-67-75
20	3635	2824F/49-57-67	3026F/57-63-72	3096F/59-65-74	3169F/62-68-76
18	3636	2833F/49-57-67	3035F/57-64-72	3106F/59-66-74	3179F/62-68-76
16	3636	2841F/50-57-67	3044F/57-64-73	3115F/60-66-74	3189F/62-68-76
14	3636	2849F/50-58-68	3053F/58-64-73	3125F/60-66-75	3199F/63-69-76
12	3636	2857F/50-58-68	3063F/58-64-73	3135F/60-67-75	3209F/63-69-77
10	3637	2866F/50-58-68	3072F/58-65-73	3145F/61-67-75	3219F/63-69-77
8	3637	2875F/51-58-68	3082F/58-65-73	3155F/61-67-75	3229F/64-69-77
6	3637	2883F/51-59-69	3092F/59-65-74	3165F/61-67-76	3240F/64-70-77
4	3637	2892F/51-59-69	3102F/59-66-74	3175F/62-68-76	3250F/64-70-78
2	3638	2901F/52-59-69	3111F/59-66-74	3185F/62-68-76	3261F/65-70-78
0	3638	2910F/52-60-69	3121F/60-66-74	3196F/62-68-76	3272F/65-71-78
-2	3638	2919F/52-60-69	3131F/60-66-75	3206F/63-69-77	3283F/65-71-78
-4	3638	2928F/52-60-70	3141F/60-67-75	3217F/63-69-77	3294F/66-71-79
-6	3637	2937F/53-60-70	3152F/61-67-75	3227F/63-69-77	3305F/66-72-79
-8	3637	2946F/53-61-70	3162F/61-67-75	3238F/64-70-77	3317F/66-72-79
-10	3637	2955F/53-61-70	3172F/61-68-76	3249F/64-70-78	3328F/67-72-79

MAX BRAKE RELEASE WT MUST NOT EXCEED MAX CERT TAKEOFF WT OF 340194 KG

MINIMUM FLAP RETRACTION HEIGHT IS 430 FT

LIMIT CODE IS F=FIELD, T=TIRE SPEED, B=BRAKE ENERGY, V=VMCG,
*=OBSTACLE/LEVEL-OFF, **=IMPROVED CLIMB

RUNWAY IS 2600 M LONG WITH 60 M OF CLEARWAY AND 40 M OF STOPWAY

RUNWAY SLOPES ARE 0.30 PERCENT FOR TODA AND 0.30 PERCENT FOR ASDA

LINE-UP DISTANCES: 25 M FOR TODA, 56 M FOR ASDA OBS FROM LO-FT/M

RUNWAY	HT	DIST	OFFSET	HT	DIST	OFFSET	HT	DIST	OFFSET
34	14	399	0	37	701	0	57	999	0
	70	1328	0	86	1459	0	122	2109	0
	132	2499	0	152	2609	0	171	3300	0
	191	3550	0						

ENG-OUT PROCEDURE:

NONE