AFTN: SBRJZXIC
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To be inserted

AIRAC
AIP A 13/2024
13 JUN 2024

DATA DE EFETIVAÇÃO
EFFECTIVE DATE
08 AUG 2024

Inserir/Destruir
Insert/Destroy

AIP

Índice/Summary

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Parte/Part 2: ENR - Rota/En-route
Parte/Part 3: AD - Aeródromos/Aerodromes

1.Insira ou substitua respectivamente as páginas anexas com a data de efetivação:
1.Insert or replace respectively the attached pages with effective date:

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AD 2 SBRJ - 14	11 JUL 2024	AD 2 SBRJ - 14	08 AUG 2024
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AD 2 SBSP - 12	11 JUL 2024	AD 2 SBSP - 12	08 AUG 2024
AD 2 SBSV - 11	11 JUL 2024	AD 2 SBSV - 11	08 AUG 2024
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A 01/2024	21 DEC 2023	25 JAN 2024	NIL
A 02/2024	18 JAN 2024	22 FEB 2024	NIL
A 03/2024	25 JAN 2024	21 MAR 2024	NIL
A 04/2024	15 FEB 2024	21 MAR 2024	NIL
A 05/2024	22 FEB 2024	18 APR 2024	NIL
A 06/2024	14 MAR 2024	18 APR 2024	NIL
A 07/2024	21 MAR 2024	16 MAY 2024	NIL
A 08/2024	18 APR 2024	16 MAY 2024	NIL
A 09/2024	18 APR 2024	13 JUN 2024	NIL
A 10/2024	09 MAY 2024	13 JUN 2024	NIL
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	0.1 - 3	21 MAR 2024		1.7 - 8	25 JAN 2024		3.1 - 9	05 OCT 2023
	0.1 - 4	21 MAR 2024		1.7 - 9	25 JAN 2024		3.1 - 10	05 OCT 2023
	0.2 - 1	08 AUG 2024		1.7 - 10	25 JAN 2024		3.1 - 11	02 NOV 2023
	0.3 - 1	11 JUL 2024		1.7 - 11	16 MAY 2024		3.1 - 12	02 NOV 2023
	0.3 - 2	11 JUL 2024		1.7 - 12	16 MAY 2024		3.1 - 13	02 NOV 2023
	0.3 - 3	11 JUL 2024					3.2 - 1	30 NOV 2023
	0.3 - 4	11 JUL 2024	**GEN 2**				3.2 - 2	30 NOV 2023
	0.3 - 5	11 JUL 2024		2.1 - 1	05 OCT 2023		3.2 - 3	30 NOV 2023
	0.3 - 6	11 JUL 2024		2.1 - 2	05 OCT 2023		3.2 - 4	30 NOV 2023
	0.3 - 7	11 JUL 2024		2.2 - 1	21 MAR 2024		3.2 - 5	11 JUL 2024
	0.3 - 8	11 JUL 2024		2.2 - 2	21 MAR 2024		3.2 - 6	11 JUL 2024
	0.3 - 9	11 JUL 2024		2.2 - 3	05 OCT 2023		3.2 - 7	30 NOV 2023
	0.4 - 1	08 AUG 2024		2.2 - 4	05 OCT 2023		3.2 - 8	30 NOV 2023
	0.4 - 2	08 AUG 2024		2.2 - 5	05 OCT 2023		3.2 - 9	30 NOV 2023
	0.4 - 3	08 AUG 2024		2.2 - 6	05 OCT 2023		3.2 - 10	30 NOV 2023
	0.4 - 4	08 AUG 2024		2.2 - 7	25 JAN 2024		3.2 - 11	30 NOV 2023
	0.4 - 5	08 AUG 2024		2.2 - 8	25 JAN 2024		3.2 - 12	30 NOV 2023
	0.4 - 6	08 AUG 2024		2.2 - 9	25 JAN 2024		3.2 - 13	30 NOV 2023
	0.4 - 7	08 AUG 2024		2.2 - 10	25 JAN 2024		3.2 - 14	30 NOV 2023
	0.4 - 8	08 AUG 2024		2.2 - 11	25 JAN 2024		3.2 - 15	30 NOV 2023
	0.4 - 9	08 AUG 2024		2.2 - 12	25 JAN 2024		3.2 - 16	30 NOV 2023
	0.4 - 10	08 AUG 2024		2.2 - 13	05 OCT 2023		3.2 - 17	21 MAR 2024
	0.4 - 11	08 AUG 2024		2.2 - 14	05 OCT 2023		3.2 - 18	21 MAR 2024
	0.4 - 12	08 AUG 2024		2.2 - 15	30 NOV 2023		3.2 - 19	18 APR 2024
	0.4 - 13	08 AUG 2024		2.2 - 16	30 NOV 2023		3.2 - 20	18 APR 2024
	0.4 - 14	08 AUG 2024		2.2 - 17	05 OCT 2023		3.2 - 21	21 MAR 2024
	0.4 - 15	08 AUG 2024		2.2 - 18	05 OCT 2023		3.2 - 22	21 MAR 2024
	0.4 - 16	08 AUG 2024		2.2 - 19	05 OCT 2023		3.2 - 23	30 NOV 2023
	0.5 - 1	05 OCT 2023		2.2 - 20	05 OCT 2023		3.2 - 24	30 NOV 2023
	0.6 - 1	16 MAY 2024		2.2 - 21	25 JAN 2024		3.3 - 1	05 OCT 2023
	0.6 - 2	16 MAY 2024		2.2 - 22	25 JAN 2024		3.3 - 2	05 OCT 2023
	0.6 - 3	16 MAY 2024		2.2 - 23	25 JAN 2024		3.4 - 1	05 OCT 2023
	0.6 - 4	16 MAY 2024		2.3 - 1	05 OCT 2023		3.4 - 2	05 OCT 2023
	0.6 - 5	13 JUN 2024		2.4 - 1	13 JUN 2024		3.4 - 3	05 OCT 2023
	0.6 - 6	13 JUN 2024		2.4 - 2	13 JUN 2024		3.5 - 1	05 OCT 2023
	0.6 - 7	11 JUL 2024		2.4 - 3	11 JUL 2024		3.5 - 2	05 OCT 2023
	0.6 - 8	11 JUL 2024		2.4 - 4	11 JUL 2024		3.5 - 3	21 MAR 2024
				2.4 - 5	11 JUL 2024		3.5 - 4	21 MAR 2024
GEN 1				2.5 - 1	11 JUL 2024		3.5 - 5	13 JUN 2024
	1.1 - 1	05 OCT 2023		2.5 - 2	11 JUL 2024		3.5 - 6	13 JUN 2024
	1.1 - 2	05 OCT 2023		2.5 - 3	11 JUL 2024		3.5 - 7	11 JUL 2024
	1.2 - 1	05 OCT 2023		2.5 - 4	11 JUL 2024		3.5 - 8	11 JUL 2024
	1.2 - 2	05 OCT 2023		2.5 - 5	11 JUL 2024		3.5 - 9	11 JUL 2024
	1.2 - 3	05 OCT 2023		2.5 - 6	11 JUL 2024		3.5 - 10	11 JUL 2024
	1.2 - 4	05 OCT 2023		2.5 - 7	11 JUL 2024		3.5 - 11	11 JUL 2024
	1.3 - 1	13 JUN 2024		2.6 - 1	05 OCT 2023		3.5 - 12	11 JUL 2024
	1.4 - 1	05 OCT 2023		2.6 - 2	05 OCT 2023		3.5 - 13	11 JUL 2024
	1.5 - 1	13 JUN 2024		2.7 - 1	05 OCT 2023		3.5 - 14	11 JUL 2024
	1.6 - 1	05 OCT 2023					3.5 - 15	11 JUL 2024
	1.6 - 2	05 OCT 2023	**GEN 3**				3.5 - 16	11 JUL 2024
	1.6 - 3	25 JAN 2024		3.1 - 1	05 OCT 2023		3.5 - 17	11 JUL 2024
	1.7 - 1	30 NOV 2023		3.1 - 2	05 OCT 2023		3.5 - 18	11 JUL 2024
	1.7 - 2	30 NOV 2023		3.1 - 3	11 JUL 2024		3.5 - 19	11 JUL 2024
	1.7 - 3	28 DEC 2023		3.1 - 4	11 JUL 2024		3.5 - 20	11 JUL 2024
	1.7 - 4	28 DEC 2023		3.1 - 5	05 OCT 2023		3.5 - 21	11 JUL 2024

	3.5 - 22	11 JUL 2024		4.1 - 2	05 OCT 2023		1.4 - 4	28 DEC 2023
	3.5 - 23	11 JUL 2024		4.1 - 3	05 OCT 2023		1.4 - 5	05 OCT 2023
	3.5 - 24	11 JUL 2024		4.1 - 4	05 OCT 2023		1.5 - 1	21 MAR 2024
	3.5 - 25	11 JUL 2024		4.1 - 5	05 OCT 2023		1.5 - 2	21 MAR 2024
	3.5 - 26	11 JUL 2024		4.1 - 6	05 OCT 2023		1.5 - 3	21 MAR 2024
	3.5 - 27	11 JUL 2024		4.1 - 7	05 OCT 2023		1.5 - 4	21 MAR 2024
	3.5 - 28	11 JUL 2024		4.1 - 8	05 OCT 2023		1.5 - 5	21 MAR 2024
	3.5 - 29	11 JUL 2024		4.1 - 9	05 OCT 2023		1.6 - 1	05 OCT 2023
	3.5 - 30	11 JUL 2024		4.1 - 10	05 OCT 2023		1.6 - 2	05 OCT 2023
	3.5 - 31	11 JUL 2024		4.2 - 1	16 MAY 2024		1.6 - 3	05 OCT 2023
	3.5 - 32	11 JUL 2024		4.2 - 2	16 MAY 2024		1.7 - 1	05 OCT 2023
	3.5 - 33	11 JUL 2024		4.2 - 3	16 MAY 2024		1.7 - 2	05 OCT 2023
	3.5 - 34	11 JUL 2024		4.2 - 4	16 MAY 2024		1.8 - 1	13 JUN 2024
	3.5 - 35	11 JUL 2024		4.2 - 5	11 JUL 2024		1.8 - 2	13 JUN 2024
	3.5 - 36	11 JUL 2024		4.2 - 6	11 JUL 2024		1.8 - 3	16 MAY 2024
	3.5 - 37	11 JUL 2024		4.2 - 7	11 JUL 2024		1.8 - 4	16 MAY 2024
	3.5 - 38	11 JUL 2024		4.2 - 8	11 JUL 2024		1.8 - 5	22 FEB 2024
	3.5 - 39	11 JUL 2024		4.2 - 9	11 JUL 2024		1.8 - 6	22 FEB 2024
	3.5 - 40	11 JUL 2024		4.2 - 10	11 JUL 2024		1.8 - 7	16 MAY 2024
	3.5 - 41	11 JUL 2024		4.2 - 11	11 JUL 2024		1.8 - 8	16 MAY 2024
	3.5 - 42	11 JUL 2024		4.2 - 12	11 JUL 2024		1.9 - 1	30 NOV 2023
	3.5 - 43	11 JUL 2024		4.2 - 13	11 JUL 2024		1.9 - 2	30 NOV 2023
	3.5 - 44	11 JUL 2024					1.9 - 3	22 FEB 2024
	3.5 - 45	11 JUL 2024	**ENR 0**				1.9 - 4	22 FEB 2024
	3.5 - 46	11 JUL 2024		0.6 - 1	28 DEC 2023		1.9 - 5	25 JAN 2024
	3.5 - 47	11 JUL 2024		0.6 - 2	28 DEC 2023		1.9 - 6	25 JAN 2024
	3.5 - 48	11 JUL 2024		0.6 - 3	05 OCT 2023		1.9 - 7	08 AUG 2024
	3.5 - 49	11 JUL 2024		0.6 - 4	05 OCT 2023		1.9 - 8	08 AUG 2024
	3.5 - 50	11 JUL 2024		0.6 - 5	11 JUL 2024		1.10 - 1	05 OCT 2023
	3.5 - 51	11 JUL 2024		0.6 - 6	11 JUL 2024		1.10 - 2	05 OCT 2023
	3.5 - 52	11 JUL 2024		0.6 - 7	28 DEC 2023		1.10 - 3	05 OCT 2023
	3.5 - 53	11 JUL 2024		0.6 - 8	28 DEC 2023		1.10 - 4	05 OCT 2023
	3.5 - 54	11 JUL 2024		0.6 - 9	28 DEC 2023		1.10 - 5	05 OCT 2023
	3.5 - 55	11 JUL 2024		0.6 - 10	28 DEC 2023		1.10 - 6	05 OCT 2023
	3.5 - 56	11 JUL 2024		0.6 - 11	28 DEC 2023		1.10 - 7	05 OCT 2023
	3.5 - 57	11 JUL 2024		0.6 - 12	28 DEC 2023		1.10 - 8	05 OCT 2023
	3.5 - 58	11 JUL 2024		0.6 - 13	28 DEC 2023		1.10 - 9	05 OCT 2023
	3.5 - 59	11 JUL 2024		0.6 - 14	28 DEC 2023		1.10 - 10	05 OCT 2023
	3.5 - 60	11 JUL 2024		0.6 - 15	28 DEC 2023		1.10 - 11	05 OCT 2023
	3.5 - 61	11 JUL 2024		0.6 - 16	28 DEC 2023		1.11 - 1	05 OCT 2023
	3.5 - 62	11 JUL 2024		0.6 - 17	28 DEC 2023		1.12 - 1	05 OCT 2023
	3.5 - 63	13 JUN 2024		0.6 - 18	28 DEC 2023		1.12 - 2	05 OCT 2023
	3.5 - 64	13 JUN 2024		0.6 - 19	28 DEC 2023		1.12 - 3	05 OCT 2023
	3.6 - 1	05 OCT 2023		0.6 - 20	28 DEC 2023		1.12 - 4	05 OCT 2023
	3.6 - 2	05 OCT 2023		0.6 - 21	11 JUL 2024		1.12 - 5	05 OCT 2023
	3.6 - 3	21 MAR 2024		0.6 - 22	11 JUL 2024		1.12 - 6	05 OCT 2023
	3.6 - 4	21 MAR 2024					1.13 - 1	05 OCT 2023
	3.6 - 5	05 OCT 2023	**ENR 1**				1.14 - 1	05 OCT 2023
	3.6 - 6	05 OCT 2023		1.1 - 1	05 OCT 2023		1.14 - 2	05 OCT 2023
	3.6 - 7	21 MAR 2024		1.1 - 2	05 OCT 2023		1.14 - 3	05 OCT 2023
	3.6 - 8	21 MAR 2024		1.1 - 3	05 OCT 2023		1.14 - 4	05 OCT 2023
	3.6 - 9	21 MAR 2024		1.1 - 4	05 OCT 2023		1.14 - 5	21 MAR 2024
	3.6 - 10	21 MAR 2024		1.1 - 5	05 OCT 2023		1.14 - 6	21 MAR 2024
	3.6 - 11	21 MAR 2024		1.2 - 1	05 OCT 2023		1.14 - 7	05 OCT 2023
	3.6 - 12	21 MAR 2024		1.2 - 2	05 OCT 2023			
	3.6 - 13	21 MAR 2024		1.3 - 1	30 NOV 2023	**ENR 2**		
	3.6 - 14	21 MAR 2024		1.3 - 2	30 NOV 2023		2.1 - 1	13 JUN 2024
				1.4 - 1	05 OCT 2023		2.1 - 2	13 JUN 2024
GEN 4				1.4 - 2	05 OCT 2023		2.1 - 3	13 JUN 2024
	4.1 - 1	05 OCT 2023		1.4 - 3	28 DEC 2023		2.1 - 4	13 JUN 2024

2.1 - 5	13 JUN 2024	2.1 - 65	11 JUL 2024	2.1 - 125	11 JUL 2024
2.1 - 6	13 JUN 2024	2.1 - 66	11 JUL 2024	2.2 - 1	05 OCT 2023
2.1 - 7	13 JUN 2024	2.1 - 67	11 JUL 2024	2.2 - 2	05 OCT 2023
2.1 - 8	13 JUN 2024	2.1 - 68	11 JUL 2024	2.2 - 3	05 OCT 2023
2.1 - 9	13 JUN 2024	2.1 - 69	11 JUL 2024	2.2 - 4	05 OCT 2023
2.1 - 10	13 JUN 2024	2.1 - 70	11 JUL 2024	2.2 - 5	13 JUN 2024
2.1 - 11	13 JUN 2024	2.1 - 71	11 JUL 2024	2.2 - 6	13 JUN 2024
2.1 - 12	13 JUN 2024	2.1 - 72	11 JUL 2024	2.2 - 7	11 JUL 2024
2.1 - 13	13 JUN 2024	2.1 - 73	11 JUL 2024	2.2 - 8	11 JUL 2024
2.1 - 14	13 JUN 2024	2.1 - 74	11 JUL 2024	2.2 - 9	11 JUL 2024
2.1 - 15	13 JUN 2024	2.1 - 75	11 JUL 2024	2.2 - 10	11 JUL 2024
2.1 - 16	13 JUN 2024	2.1 - 76	11 JUL 2024	2.2 - 11	11 JUL 2024
2.1 - 17	11 JUL 2024	2.1 - 77	11 JUL 2024	2.2 - 12	11 JUL 2024
2.1 - 18	11 JUL 2024	2.1 - 78	11 JUL 2024	2.2 - 13	11 JUL 2024
2.1 - 19	11 JUL 2024	2.1 - 79	11 JUL 2024	2.2 - 14	11 JUL 2024
2.1 - 20	11 JUL 2024	2.1 - 80	11 JUL 2024	2.2 - 15	13 JUN 2024
2.1 - 21	11 JUL 2024	2.1 - 81	11 JUL 2024	2.2 - 16	13 JUN 2024
2.1 - 22	11 JUL 2024	2.1 - 82	11 JUL 2024	2.2 - 17	11 JUL 2024
2.1 - 23	11 JUL 2024	2.1 - 83	11 JUL 2024	2.2 - 18	11 JUL 2024
2.1 - 24	11 JUL 2024	2.1 - 84	11 JUL 2024	2.2 - 19	11 JUL 2024
2.1 - 25	11 JUL 2024	2.1 - 85	11 JUL 2024	2.2 - 20	11 JUL 2024
2.1 - 26	11 JUL 2024	2.1 - 86	11 JUL 2024	2.2 - 21	11 JUL 2024
2.1 - 27	11 JUL 2024	2.1 - 87	11 JUL 2024	2.2 - 22	11 JUL 2024
2.1 - 28	11 JUL 2024	2.1 - 88	11 JUL 2024	2.2 - 23	11 JUL 2024
2.1 - 29	11 JUL 2024	2.1 - 89	11 JUL 2024	2.2 - 24	11 JUL 2024
2.1 - 30	11 JUL 2024	2.1 - 90	11 JUL 2024	2.2 - 25	11 JUL 2024
2.1 - 31	11 JUL 2024	2.1 - 91	11 JUL 2024	2.2 - 26	11 JUL 2024
2.1 - 32	11 JUL 2024	2.1 - 92	11 JUL 2024	2.2 - 27	11 JUL 2024
2.1 - 33	08 AUG 2024	2.1 - 93	11 JUL 2024	2.2 - 28	11 JUL 2024
2.1 - 34	08 AUG 2024	2.1 - 94	11 JUL 2024	2.2 - 29	13 JUN 2024
2.1 - 35	11 JUL 2024	2.1 - 95	11 JUL 2024	2.2 - 30	13 JUN 2024
2.1 - 36	11 JUL 2024	2.1 - 96	11 JUL 2024	2.2 - 31	11 JUL 2024
2.1 - 37	11 JUL 2024	2.1 - 97	11 JUL 2024	2.2 - 32	11 JUL 2024
2.1 - 38	11 JUL 2024	2.1 - 98	11 JUL 2024	2.2 - 33	11 JUL 2024
2.1 - 39	11 JUL 2024	2.1 - 99	11 JUL 2024	2.2 - 34	11 JUL 2024
2.1 - 40	11 JUL 2024	2.1 - 100	11 JUL 2024	2.2 - 35	11 JUL 2024
2.1 - 41	11 JUL 2024	2.1 - 101	11 JUL 2024	2.2 - 36	11 JUL 2024
2.1 - 42	11 JUL 2024	2.1 - 102	11 JUL 2024	2.2 - 37	11 JUL 2024
2.1 - 43	11 JUL 2024	2.1 - 103	11 JUL 2024		
2.1 - 44	11 JUL 2024	2.1 - 104	11 JUL 2024	**ENR 3**	
2.1 - 45	11 JUL 2024	2.1 - 105	11 JUL 2024	3.1 - 1	05 OCT 2023
2.1 - 46	11 JUL 2024	2.1 - 106	11 JUL 2024	3.1 A301 - 1	11 JUL 2024
2.1 - 47	11 JUL 2024	2.1 - 107	11 JUL 2024	3.1 A301 - 2	11 JUL 2024
2.1 - 48	11 JUL 2024	2.1 - 108	11 JUL 2024	3.1 A305 - 1	05 OCT 2023
2.1 - 49	11 JUL 2024	2.1 - 109	11 JUL 2024	3.1 A307 - 1	05 OCT 2023
2.1 - 50	11 JUL 2024	2.1 - 110	11 JUL 2024	3.1 A309 - 1	11 JUL 2024
2.1 - 51	11 JUL 2024	2.1 - 111	11 JUL 2024	3.1 A309 - 2	11 JUL 2024
2.1 - 52	11 JUL 2024	2.1 - 112	11 JUL 2024	3.1 A310 - 1	05 OCT 2023
2.1 - 53	11 JUL 2024	2.1 - 113	11 JUL 2024	3.1 A311 - 1	05 OCT 2023
2.1 - 54	11 JUL 2024	2.1 - 114	11 JUL 2024	3.1 A314 - 1	05 OCT 2023
2.1 - 55	11 JUL 2024	2.1 - 115	11 JUL 2024	3.1 A314 - 2	05 OCT 2023
2.1 - 56	11 JUL 2024	2.1 - 116	11 JUL 2024	3.1 A430 - 1	11 JUL 2024
2.1 - 57	11 JUL 2024	2.1 - 117	11 JUL 2024	3.1 A430 - 2	11 JUL 2024
2.1 - 58	11 JUL 2024	2.1 - 118	11 JUL 2024	3.1 A430 - 3	11 JUL 2024
2.1 - 59	11 JUL 2024	2.1 - 119	11 JUL 2024	3.1 A430 - 4	11 JUL 2024
2.1 - 60	11 JUL 2024	2.1 - 120	11 JUL 2024	3.1 A430 - 5	11 JUL 2024
2.1 - 61	11 JUL 2024	2.1 - 121	11 JUL 2024	3.1 A566 - 1	11 JUL 2024
2.1 - 62	11 JUL 2024	2.1 - 122	11 JUL 2024	3.1 A685 - 1	11 JUL 2024
2.1 - 63	11 JUL 2024	2.1 - 123	11 JUL 2024	3.1 B623 - 1	05 OCT 2023
2.1 - 64	11 JUL 2024	2.1 - 124	11 JUL 2024	3.1 B681 - 1	11 JUL 2024

3.1 B688 - 1	05 OCT 2023	3.2 KZ138 - 2	11 JUL 2024	3.2 UL300 - 1	08 AUG 2024
3.1 G678 - 1	11 JUL 2024	3.2 KZ139 - 1	28 DEC 2023	3.2 UL300 - 2	08 AUG 2024
3.1 G678 - 2	11 JUL 2024	3.2 KZ140 - 1	28 DEC 2023	3.2 UL301 - 1	13 JUN 2024
3.1 G680 - 1	11 JUL 2024	3.2 KZ141 - 1	28 DEC 2023	3.2 UL301 - 2	13 JUN 2024
3.1 R563 - 1	11 JUL 2024	3.2 KZ142 - 1	28 DEC 2023	3.2 UL301 - 3	13 JUN 2024
3.1 R563 - 2	11 JUL 2024	3.2 KZ143 - 1	11 JUL 2024	3.2 UL304 - 1	02 NOV 2023
3.1 UA555 - 1	05 OCT 2023	3.2 KZ143 - 2	11 JUL 2024	3.2 UL304 - 2	02 NOV 2023
3.1 UB623 - 1	05 OCT 2023	3.2 KZ150 - 1	28 DEC 2023	3.2 UL304 - 3	02 NOV 2023
3.1 UB623 - 2	05 OCT 2023	3.2 KZ151 - 1	08 AUG 2024	3.2 UL304 - 4	02 NOV 2023
3.1 UB681 - 1	05 OCT 2023	3.2 KZ152 - 1	22 FEB 2024	3.2 UL304 - 5	05 OCT 2023
3.1 UG449 - 1	11 JUL 2024	3.2 KZ153 - 1	22 FEB 2024	3.2 UL304 - 6	05 OCT 2023
3.1 W18 - 1	05 OCT 2023	3.2 KZ155 - 1	08 AUG 2024	3.2 UL304 - 7	05 OCT 2023
3.1 W22 - 1	22 FEB 2024	3.2 KZ157 - 1	08 AUG 2024	3.2 UL304 - 8	05 OCT 2023
3.1 W25 - 1	13 JUN 2024	3.2 KZ159 - 1	13 JUN 2024	3.2 UL306 - 1	05 OCT 2023
3.1 W29 - 1	05 OCT 2023	3.2 KZ161 - 1	08 AUG 2024	3.2 UL306 - 2	05 OCT 2023
3.1 W29 - 2	05 OCT 2023	3.2 KZ163 - 1	08 AUG 2024	3.2 UL306 - 3	05 OCT 2023
3.1 W31 - 1	05 OCT 2023	3.2 KZ164 - 1	22 FEB 2024	3.2 UL306 - 4	05 OCT 2023
3.1 W31 - 2	05 OCT 2023	3.2 KZ165 - 1	22 FEB 2024	3.2 UL306 - 5	05 OCT 2023
3.1 W31 - 3	05 OCT 2023	3.2 KZ171 - 1	08 AUG 2024	3.2 UL306 - 6	05 OCT 2023
3.1 W34 - 1	11 JUL 2024	3.2 KZ181 - 1	13 JUN 2024	3.2 UL306 - 7	05 OCT 2023
3.1 W34 - 2	11 JUL 2024	3.2 KZ182 - 1	13 JUN 2024	3.2 UL306 - 8	05 OCT 2023
3.1 W40 - 1	05 OCT 2023	3.2 KZ183 - 1	28 DEC 2023	3.2 UL309 - 1	02 NOV 2023
3.1 W41 - 1	08 AUG 2024	3.2 KZ184 - 1	28 DEC 2023	3.2 UL309 - 2	02 NOV 2023
3.1 W41 - 2	08 AUG 2024	3.2 KZ185 - 1	28 DEC 2023	3.2 UL309 - 3	02 NOV 2023
3.1 W44 - 1	05 OCT 2023	3.2 KZ186 - 1	28 DEC 2023	3.2 UL309 - 4	02 NOV 2023
3.1 W46 - 1	21 MAR 2024	3.2 KZ187 - 1	22 FEB 2024	3.2 UL310 - 1	13 JUN 2024
3.1 W48 - 1	11 JUL 2024	3.2 KZ188 - 1	28 DEC 2023	3.2 UL310 - 2	13 JUN 2024
3.1 W48 - 2	11 JUL 2024	3.2 KZ189 - 1	28 DEC 2023	3.2 UL310 - 3	11 JUL 2024
3.1 W48 - 3	18 APR 2024	3.2 KZ190 - 1	28 DEC 2023	3.2 UL310 - 4	11 JUL 2024
3.1 W48 - 4	18 APR 2024	3.2 KZ500 - 1	05 OCT 2023	3.2 UL322 - 1	11 JUL 2024
3.1 W48 - 5	18 APR 2024	3.2 KZ600 - 1	28 DEC 2023	3.2 UL322 - 2	11 JUL 2024
3.1 W48 - 6	18 APR 2024	3.2 M653 - 1	08 AUG 2024	3.2 UL322 - 3	05 OCT 2023
3.1 W48 - 7	13 JUN 2024	3.2 M778 - 1	13 JUN 2024	3.2 UL322 - 4	05 OCT 2023
3.2 - 1	05 OCT 2023	3.2 N785 - 1	05 OCT 2023	3.2 UL322 - 5	08 AUG 2024
3.2 - 2	05 OCT 2023	3.2 UL201 - 1	08 AUG 2024	3.2 UL322 - 6	08 AUG 2024
3.2 - 3	05 OCT 2023	3.2 UL201 - 2	08 AUG 2024	3.2 UL322 - 7	28 DEC 2023
3.2 KZ119 - 1	22 FEB 2024	3.2 UL201 - 3	02 NOV 2023	3.2 UL324 - 1	11 JUL 2024
3.2 KZ119 - 2	22 FEB 2024	3.2 UL201 - 4	02 NOV 2023	3.2 UL324 - 2	11 JUL 2024
3.2 KZ120 - 1	08 AUG 2024	3.2 UL201 - 5	02 NOV 2023	3.2 UL330 - 1	08 AUG 2024
3.2 KZ120 - 2	08 AUG 2024	3.2 UL201 - 6	02 NOV 2023	3.2 UL330 - 2	08 AUG 2024
3.2 KZ121 - 1	22 FEB 2024	3.2 UL201 - 7	05 OCT 2023	3.2 UL330 - 3	13 JUN 2024
3.2 KZ121 - 2	22 FEB 2024	3.2 UL206 - 1	05 OCT 2023	3.2 UL340 - 1	21 MAR 2024
3.2 KZ122 - 1	22 FEB 2024	3.2 UL206 - 2	05 OCT 2023	3.2 UL340 - 2	21 MAR 2024
3.2 KZ122 - 2	22 FEB 2024	3.2 UL206 - 3	16 MAY 2024	3.2 UL340 - 3	21 MAR 2024
3.2 KZ123 - 1	11 JUL 2024	3.2 UL206 - 4	16 MAY 2024	3.2 UL340 - 4	21 MAR 2024
3.2 KZ124 - 1	22 FEB 2024	3.2 UL206 - 5	05 OCT 2023	3.2 UL375 - 1	13 JUN 2024
3.2 KZ124 - 2	22 FEB 2024	3.2 UL206 - 6	05 OCT 2023	3.2 UL375 - 2	13 JUN 2024
3.2 KZ125 - 1	22 FEB 2024	3.2 UL216 - 1	11 JUL 2024	3.2 UL375 - 3	13 JUN 2024
3.2 KZ126 - 1	11 JUL 2024	3.2 UL216 - 2	11 JUL 2024	3.2 UL375 - 4	13 JUN 2024
3.2 KZ126 - 2	11 JUL 2024	3.2 UL216 - 3	05 OCT 2023	3.2 UL375 - 5	13 JUN 2024
3.2 KZ127 - 1	28 DEC 2023	3.2 UL216 - 4	05 OCT 2023	3.2 UL417 - 1	08 AUG 2024
3.2 KZ128 - 1	22 FEB 2024	3.2 UL216 - 5	08 AUG 2024	3.2 UL417 - 2	08 AUG 2024
3.2 KZ129 - 1	28 DEC 2023	3.2 UL216 - 6	08 AUG 2024	3.2 UL417 - 3	08 AUG 2024
3.2 KZ130 - 1	08 AUG 2024	3.2 UL216 - 7	08 AUG 2024	3.2 UL452 - 1	02 NOV 2023
3.2 KZ131 - 1	28 DEC 2023	3.2 UL216 - 8	08 AUG 2024	3.2 UL452 - 2	02 NOV 2023
3.2 KZ132 - 1	05 OCT 2023	3.2 UL216 - 9	08 AUG 2024	3.2 UL452 - 3	05 OCT 2023
3.2 KZ133 - 1	28 DEC 2023	3.2 UL216 - 10	08 AUG 2024	3.2 UL452 - 4	05 OCT 2023
3.2 KZ134 - 1	28 DEC 2023	3.2 UL224 - 1	22 FEB 2024	3.2 UL462 - 1	05 OCT 2023
3.2 KZ136 - 1	28 DEC 2023	3.2 UL224 - 2	22 FEB 2024	3.2 UL462 - 2	05 OCT 2023
3.2 KZ138 - 1	11 JUL 2024	3.2 UL224 - 3	22 FEB 2024	3.2 UL462 - 3	05 OCT 2023

3.2 UL462 - 4	05 OCT 2023	3.2 UM402 - 4	05 OCT 2023	3.2 UM527 - 7	08 AUG 2024
3.2 UL462 - 5	05 OCT 2023	3.2 UM402 - 5	05 OCT 2023	3.2 UM527 - 8	08 AUG 2024
3.2 UL531 - 1	05 OCT 2023	3.2 UM402 - 6	05 OCT 2023	3.2 UM532 - 1	05 OCT 2023
3.2 UL540 - 1	05 OCT 2023	3.2 UM402 - 7	11 JUL 2024	3.2 UM532 - 2	05 OCT 2023
3.2 UL540 - 2	05 OCT 2023	3.2 UM402 - 8	11 JUL 2024	3.2 UM532 - 3	11 JUL 2024
3.2 UL540 - 3	05 OCT 2023	3.2 UM403 - 1	08 AUG 2024	3.2 UM532 - 4	11 JUL 2024
3.2 UL540 - 4	05 OCT 2023	3.2 UM403 - 2	08 AUG 2024	3.2 UM532 - 5	05 OCT 2023
3.2 UL540 - 5	05 OCT 2023	3.2 UM403 - 3	05 OCT 2023	3.2 UM532 - 6	05 OCT 2023
3.2 UL540 - 6	05 OCT 2023	3.2 UM403 - 4	05 OCT 2023	3.2 UM532 - 7	11 JUL 2024
3.2 UL540 - 7	05 OCT 2023	3.2 UM403 - 5	08 AUG 2024	3.2 UM532 - 8	11 JUL 2024
3.2 UL540 - 8	05 OCT 2023	3.2 UM409 - 1	21 MAR 2024	3.2 UM532 - 9	05 OCT 2023
3.2 UL540 - 9	05 OCT 2023	3.2 UM409 - 2	21 MAR 2024	3.2 UM534 - 1	13 JUN 2024
3.2 UL540 - 10	05 OCT 2023	3.2 UM409 - 3	30 NOV 2023	3.2 UM534 - 2	13 JUN 2024
3.2 UL540 - 11	11 JUL 2024	3.2 UM409 - 4	30 NOV 2023	3.2 UM540 - 1	13 JUN 2024
3.2 UL576 - 1	11 JUL 2024	3.2 UM409 - 5	08 AUG 2024	3.2 UM540 - 2	13 JUN 2024
3.2 UL576 - 2	11 JUL 2024	3.2 UM409 - 6	08 AUG 2024	3.2 UM540 - 3	13 JUN 2024
3.2 UL576 - 3	05 OCT 2023	3.2 UM409 - 7	08 AUG 2024	3.2 UM540 - 4	13 JUN 2024
3.2 UL576 - 4	05 OCT 2023	3.2 UM409 - 8	08 AUG 2024	3.2 UM540 - 5	13 JUN 2024
3.2 UL576 - 5	08 AUG 2024	3.2 UM409 - 9	08 AUG 2024	3.2 UM544 - 1	05 OCT 2023
3.2 UL576 - 6	08 AUG 2024	3.2 UM409 - 10	08 AUG 2024	3.2 UM544 - 2	05 OCT 2023
3.2 UL576 - 7	08 AUG 2024	3.2 UM409 - 11	08 AUG 2024	3.2 UM544 - 3	05 OCT 2023
3.2 UL655 - 1	05 OCT 2023	3.2 UM411 - 1	05 OCT 2023	3.2 UM544 - 4	05 OCT 2023
3.2 UL655 - 2	05 OCT 2023	3.2 UM411 - 2	05 OCT 2023	3.2 UM548 - 1	11 JUL 2024
3.2 UL655 - 3	05 OCT 2023	3.2 UM411 - 3	21 MAR 2024	3.2 UM548 - 2	11 JUL 2024
3.2 UL655 - 4	05 OCT 2023	3.2 UM411 - 4	21 MAR 2024	3.2 UM548 - 3	11 JUL 2024
3.2 UL655 - 5	05 OCT 2023	3.2 UM411 - 5	05 OCT 2023	3.2 UM548 - 4	11 JUL 2024
3.2 UL655 - 6	05 OCT 2023	3.2 UM415 - 1	08 AUG 2024	3.2 UM548 - 5	05 OCT 2023
3.2 UL695 - 1	13 JUN 2024	3.2 UM415 - 2	08 AUG 2024	3.2 UM548 - 6	05 OCT 2023
3.2 UL695 - 2	13 JUN 2024	3.2 UM415 - 3	05 OCT 2023	3.2 UM549 - 1	05 OCT 2023
3.2 UL695 - 3	13 JUN 2024	3.2 UM415 - 4	05 OCT 2023	3.2 UM549 - 2	05 OCT 2023
3.2 UL695 - 4	13 JUN 2024	3.2 UM415 - 5	11 JUL 2024	3.2 UM549 - 3	05 OCT 2023
3.2 UL776 - 1	02 NOV 2023	3.2 UM415 - 6	11 JUL 2024	3.2 UM549 - 4	05 OCT 2023
3.2 UL776 - 2	02 NOV 2023	3.2 UM415 - 7	11 JUL 2024	3.2 UM549 - 5	05 OCT 2023
3.2 UL776 - 3	28 DEC 2023	3.2 UM417 - 1	05 OCT 2023	3.2 UM549 - 6	05 OCT 2023
3.2 UL776 - 4	28 DEC 2023	3.2 UM417 - 2	05 OCT 2023	3.2 UM654 - 1	11 JUL 2024
3.2 UL793 - 1	11 JUL 2024	3.2 UM417 - 3	05 OCT 2023	3.2 UM654 - 2	11 JUL 2024
3.2 UL793 - 2	11 JUL 2024	3.2 UM417 - 4	05 OCT 2023	3.2 UM654 - 3	05 OCT 2023
3.2 UL793 - 3	11 JUL 2024	3.2 UM417 - 5	05 OCT 2023	3.2 UM654 - 4	05 OCT 2023
3.2 UL793 - 4	11 JUL 2024	3.2 UM417 - 6	05 OCT 2023	3.2 UM654 - 5	05 OCT 2023
3.2 UL793 - 5	11 JUL 2024	3.2 UM417 - 7	02 NOV 2023	3.2 UM654 - 6	05 OCT 2023
3.2 UL795 - 1	05 OCT 2023	3.2 UM417 - 8	02 NOV 2023	3.2 UM654 - 7	05 OCT 2023
3.2 UL795 - 2	05 OCT 2023	3.2 UM418 - 1	11 JUL 2024	3.2 UM654 - 8	05 OCT 2023
3.2 UL795 - 3	05 OCT 2023	3.2 UM418 - 2	11 JUL 2024	3.2 UM654 - 9	05 OCT 2023
3.2 UL795 - 4	05 OCT 2023	3.2 UM418 - 3	13 JUN 2024	3.2 UM654 - 10	05 OCT 2023
3.2 UL795 - 5	05 OCT 2023	3.2 UM423 - 1	05 OCT 2023	3.2 UM654 - 11	05 OCT 2023
3.2 UL795 - 6	05 OCT 2023	3.2 UM423 - 2	05 OCT 2023	3.2 UM654 - 12	05 OCT 2023
3.2 UL795 - 7	05 OCT 2023	3.2 UM423 - 3	11 JUL 2024	3.2 UM656 - 1	13 JUN 2024
3.2 UL795 - 8	05 OCT 2023	3.2 UM423 - 4	11 JUL 2024	3.2 UM656 - 2	13 JUN 2024
3.2 UM400 - 1	13 JUN 2024	3.2 UM423 - 5	11 JUL 2024	3.2 UM656 - 3	08 AUG 2024
3.2 UM400 - 2	13 JUN 2024	3.2 UM423 - 6	11 JUL 2024	3.2 UM656 - 4	08 AUG 2024
3.2 UM400 - 3	13 JUN 2024	3.2 UM423 - 7	02 NOV 2023	3.2 UM656 - 5	11 JUL 2024
3.2 UM400 - 4	13 JUN 2024	3.2 UM423 - 8	02 NOV 2023	3.2 UM657 - 1	13 JUN 2024
3.2 UM400 - 5	13 JUN 2024	3.2 UM424 - 1	13 JUN 2024	3.2 UM661 - 1	28 DEC 2023
3.2 UM400 - 6	13 JUN 2024	3.2 UM424 - 2	13 JUN 2024	3.2 UM661 - 2	28 DEC 2023
3.2 UM400 - 7	13 JUN 2024	3.2 UM527 - 1	08 AUG 2024	3.2 UM661 - 3	28 DEC 2023
3.2 UM400 - 8	13 JUN 2024	3.2 UM527 - 2	08 AUG 2024	3.2 UM661 - 4	28 DEC 2023
3.2 UM400 - 9	13 JUN 2024	3.2 UM527 - 3	08 AUG 2024	3.2 UM661 - 5	28 DEC 2023
3.2 UM402 - 1	11 JUL 2024	3.2 UM527 - 4	08 AUG 2024	3.2 UM661 - 6	28 DEC 2023
3.2 UM402 - 2	11 JUL 2024	3.2 UM527 - 5	05 OCT 2023	3.2 UM661 - 7	21 MAR 2024
3.2 UM402 - 3	05 OCT 2023	3.2 UM527 - 6	05 OCT 2023	3.2 UM661 - 8	21 MAR 2024

3.2 UM661 - 9	28 DEC 2023	3.2 UN741 - 10	02 NOV 2023	3.2 UZ10 - 4	30 NOV 2023
3.2 UM665 - 1	11 JUL 2024	3.2 UN741 - 11	02 NOV 2023	3.2 UZ10 - 5	30 NOV 2023
3.2 UM665 - 2	11 JUL 2024	3.2 UN741 - 12	02 NOV 2023	3.2 UZ102 - 1	13 JUN 2024
3.2 UM665 - 3	11 JUL 2024	3.2 UN741 - 13	02 NOV 2023	3.2 UZ102 - 2	13 JUN 2024
3.2 UM665 - 4	11 JUL 2024	3.2 UN741 - 14	02 NOV 2023	3.2 UZ104 - 1	05 OCT 2023
3.2 UM668 - 1	02 NOV 2023	3.2 UN785 - 1	05 OCT 2023	3.2 UZ104 - 2	05 OCT 2023
3.2 UM668 - 2	02 NOV 2023	3.2 UN857 - 1	05 OCT 2023	3.2 UZ11 - 1	05 OCT 2023
3.2 UM668 - 3	02 NOV 2023	3.2 UN857 - 2	05 OCT 2023	3.2 UZ12 - 1	08 AUG 2024
3.2 UM668 - 4	02 NOV 2023	3.2 UN857 - 3	11 JUL 2024	3.2 UZ12 - 2	08 AUG 2024
3.2 UM668 - 5	05 OCT 2023	3.2 UN857 - 4	11 JUL 2024	3.2 UZ12 - 3	08 AUG 2024
3.2 UM775 - 1	28 DEC 2023	3.2 UN857 - 5	21 MAR 2024	3.2 UZ12 - 4	08 AUG 2024
3.2 UM775 - 2	28 DEC 2023	3.2 UN857 - 6	21 MAR 2024	3.2 UZ12 - 5	05 OCT 2023
3.2 UM775 - 3	30 NOV 2023	3.2 UN857 - 7	05 OCT 2023	3.2 UZ12 - 6	05 OCT 2023
3.2 UM775 - 4	30 NOV 2023	3.2 UN857 - 8	05 OCT 2023	3.2 UZ12 - 7	08 AUG 2024
3.2 UM775 - 5	11 JUL 2024	3.2 UN857 - 9	05 OCT 2023	3.2 UZ12 - 8	08 AUG 2024
3.2 UM775 - 6	11 JUL 2024	3.2 UN857 - 10	05 OCT 2023	3.2 UZ12 - 9	30 NOV 2023
3.2 UM776 - 1	08 AUG 2024	3.2 UN857 - 11	08 AUG 2024	3.2 UZ12 - 10	30 NOV 2023
3.2 UM776 - 2	08 AUG 2024	3.2 UN857 - 12	08 AUG 2024	3.2 UZ121 - 1	08 AUG 2024
3.2 UM784 - 1	13 JUN 2024	3.2 UN857 - 13	05 OCT 2023	3.2 UZ121 - 2	08 AUG 2024
3.2 UM784 - 2	13 JUN 2024	3.2 UN866 - 1	30 NOV 2023	3.2 UZ121 - 3	13 JUN 2024
3.2 UM791 - 1	08 AUG 2024	3.2 UN866 - 2	30 NOV 2023	3.2 UZ121 - 4	13 JUN 2024
3.2 UM791 - 2	08 AUG 2024	3.2 UN866 - 3	05 OCT 2023	3.2 UZ131 - 1	13 JUN 2024
3.2 UM791 - 3	25 JAN 2024	3.2 UN866 - 4	05 OCT 2023	3.2 UZ131 - 2	13 JUN 2024
3.2 UM791 - 4	25 JAN 2024	3.2 UN866 - 5	05 OCT 2023	3.2 UZ132 - 1	13 JUN 2024
3.2 UM791 - 5	05 OCT 2023	3.2 UN866 - 6	05 OCT 2023	3.2 UZ132 - 2	13 JUN 2024
3.2 UM791 - 6	05 OCT 2023	3.2 UN873 - 1	13 JUN 2024	3.2 UZ132 - 3	13 JUN 2024
3.2 UM791 - 7	28 DEC 2023	3.2 UN873 - 2	13 JUN 2024	3.2 UZ14 - 1	08 AUG 2024
3.2 UM792 - 1	02 NOV 2023	3.2 UP525 - 1	11 JUL 2024	3.2 UZ14 - 2	08 AUG 2024
3.2 UM792 - 2	02 NOV 2023	3.2 UP525 - 2	11 JUL 2024	3.2 UZ14 - 3	21 MAR 2024
3.2 UM799 - 1	05 OCT 2023	3.2 UP527 - 1	11 JUL 2024	3.2 UZ14 - 4	21 MAR 2024
3.2 UM799 - 2	05 OCT 2023	3.2 UP527 - 2	11 JUL 2024	3.2 UZ14 - 5	05 OCT 2023
3.2 UM799 - 3	05 OCT 2023	3.2 UP527 - 3	05 OCT 2023	3.2 UZ14 - 6	05 OCT 2023
3.2 UM799 - 4	05 OCT 2023	3.2 UP527 - 4	05 OCT 2023	3.2 UZ14 - 7	21 MAR 2024
3.2 UM799 - 5	05 OCT 2023	3.2 UP527 - 5	05 OCT 2023	3.2 UZ141 - 1	13 JUN 2024
3.2 UM799 - 6	05 OCT 2023	3.2 UP527 - 6	05 OCT 2023	3.2 UZ141 - 2	13 JUN 2024
3.2 UM799 - 7	05 OCT 2023	3.2 UP527 - 7	08 AUG 2024	3.2 UZ152 - 1	13 JUN 2024
3.2 UM799 - 8	05 OCT 2023	3.2 UP527 - 8	08 AUG 2024	3.2 UZ152 - 2	13 JUN 2024
3.2 UM799 - 9	05 OCT 2023	3.2 UP527 - 9	11 JUL 2024	3.2 UZ152 - 3	13 JUN 2024
3.2 UM799 - 10	05 OCT 2023	3.2 UP527 - 10	11 JUL 2024	3.2 UZ16 - 1	08 AUG 2024
3.2 UM799 - 11	05 OCT 2023	3.2 UP527 - 11	05 OCT 2023	3.2 UZ16 - 2	08 AUG 2024
3.2 UM799 - 12	05 OCT 2023	3.2 UP527 - 12	05 OCT 2023	3.2 UZ16 - 3	02 NOV 2023
3.2 UM799 - 13	05 OCT 2023	3.2 UP535 - 1	28 DEC 2023	3.2 UZ161 - 1	13 JUN 2024
3.2 UN401 - 1	21 MAR 2024	3.2 UP535 - 2	28 DEC 2023	3.2 UZ161 - 2	13 JUN 2024
3.2 UN401 - 2	21 MAR 2024	3.2 UP535 - 3	28 DEC 2023	3.2 UZ161 - 3	13 JUN 2024
3.2 UN401 - 3	05 OCT 2023	3.2 UP793 - 1	05 OCT 2023	3.2 UZ17 - 1	02 NOV 2023
3.2 UN401 - 4	05 OCT 2023	3.2 UP793 - 2	05 OCT 2023	3.2 UZ17 - 2	02 NOV 2023
3.2 UN420 - 1	11 JUL 2024	3.2 UP793 - 3	05 OCT 2023	3.2 UZ17 - 3	05 OCT 2023
3.2 UN420 - 2	11 JUL 2024	3.2 UP793 - 4	05 OCT 2023	3.2 UZ17 - 4	05 OCT 2023
3.2 UN525 - 1	11 JUL 2024	3.2 UP793 - 5	11 JUL 2024	3.2 UZ171 - 1	05 OCT 2023
3.2 UN548 - 1	22 FEB 2024	3.2 UP793 - 6	11 JUL 2024	3.2 UZ176 - 1	13 JUN 2024
3.2 UN548 - 2	22 FEB 2024	3.2 UZ1 - 1	30 NOV 2023	3.2 UZ176 - 2	13 JUN 2024
3.2 UN741 - 1	08 AUG 2024	3.2 UZ1 - 2	30 NOV 2023	3.2 UZ176 - 3	13 JUN 2024
3.2 UN741 - 2	08 AUG 2024	3.2 UZ1 - 3	30 NOV 2023	3.2 UZ18 - 1	25 JAN 2024
3.2 UN741 - 3	05 OCT 2023	3.2 UZ1 - 4	30 NOV 2023	3.2 UZ18 - 2	25 JAN 2024
3.2 UN741 - 4	05 OCT 2023	3.2 UZ1 - 5	30 NOV 2023	3.2 UZ18 - 3	05 OCT 2023
3.2 UN741 - 5	05 OCT 2023	3.2 UZ1 - 6	30 NOV 2023	3.2 UZ18 - 4	05 OCT 2023
3.2 UN741 - 6	05 OCT 2023	3.2 UZ1 - 7	30 NOV 2023	3.2 UZ19 - 1	30 NOV 2023
3.2 UN741 - 7	02 NOV 2023	3.2 UZ10 - 1	30 NOV 2023	3.2 UZ19 - 2	30 NOV 2023
3.2 UN741 - 8	02 NOV 2023	3.2 UZ10 - 2	30 NOV 2023	3.2 UZ19 - 3	02 NOV 2023
3.2 UN741 - 9	02 NOV 2023	3.2 UZ10 - 3	30 NOV 2023	3.2 UZ19 - 4	02 NOV 2023

3.2 UZ19 - 5	05 OCT 2023	3.2 UZ29 - 6	21 MAR 2024	3.2 UZ4 - 6	05 OCT 2023
3.2 UZ19 - 6	05 OCT 2023	3.2 UZ29 - 7	05 OCT 2023	3.2 UZ4 - 7	08 AUG 2024
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3.2 UZ19 - 9	05 OCT 2023	3.2 UZ3 - 1	02 NOV 2023	3.2 UZ4 - 10	05 OCT 2023
3.2 UZ2 - 1	08 AUG 2024	3.2 UZ3 - 2	02 NOV 2023	3.2 UZ40 - 1	02 NOV 2023
3.2 UZ2 - 2	08 AUG 2024	3.2 UZ3 - 3	02 NOV 2023	3.2 UZ40 - 2	02 NOV 2023
3.2 UZ2 - 3	08 AUG 2024	3.2 UZ3 - 4	02 NOV 2023	3.2 UZ40 - 3	28 DEC 2023
3.2 UZ2 - 4	08 AUG 2024	3.2 UZ3 - 5	02 NOV 2023	3.2 UZ40 - 4	28 DEC 2023
3.2 UZ2 - 5	08 AUG 2024	3.2 UZ3 - 6	02 NOV 2023	3.2 UZ40 - 5	05 OCT 2023
3.2 UZ2 - 6	08 AUG 2024	3.2 UZ3 - 7	08 AUG 2024	3.2 UZ40 - 6	05 OCT 2023
3.2 UZ20 - 1	08 AUG 2024	3.2 UZ3 - 8	08 AUG 2024	3.2 UZ40 - 7	28 DEC 2023
3.2 UZ20 - 2	08 AUG 2024	3.2 UZ3 - 9	30 NOV 2023	3.2 UZ40 - 8	28 DEC 2023
3.2 UZ21 - 1	08 AUG 2024	3.2 UZ30 - 1	05 OCT 2023	3.2 UZ40 - 9	05 OCT 2023
3.2 UZ21 - 2	08 AUG 2024	3.2 UZ30 - 2	05 OCT 2023	3.2 UZ40 - 10	05 OCT 2023
3.2 UZ21 - 3	21 MAR 2024	3.2 UZ30 - 3	02 NOV 2023	3.2 UZ40 - 11	02 NOV 2023
3.2 UZ21 - 4	21 MAR 2024	3.2 UZ30 - 4	02 NOV 2023	3.2 UZ41 - 1	05 OCT 2023
3.2 UZ21 - 5	08 AUG 2024	3.2 UZ30 - 5	05 OCT 2023	3.2 UZ41 - 2	05 OCT 2023
3.2 UZ21 - 6	08 AUG 2024	3.2 UZ30 - 6	05 OCT 2023	3.2 UZ41 - 3	08 AUG 2024
3.2 UZ21 - 7	08 AUG 2024	3.2 UZ30 - 7	05 OCT 2023	3.2 UZ41 - 4	08 AUG 2024
3.2 UZ22 - 1	08 AUG 2024	3.2 UZ31 - 1	05 OCT 2023	3.2 UZ41 - 5	05 OCT 2023
3.2 UZ22 - 2	08 AUG 2024	3.2 UZ31 - 2	05 OCT 2023	3.2 UZ41 - 6	05 OCT 2023
3.2 UZ23 - 1	21 MAR 2024	3.2 UZ31 - 3	05 OCT 2023	3.2 UZ41 - 7	05 OCT 2023
3.2 UZ23 - 2	21 MAR 2024	3.2 UZ32 - 1	08 AUG 2024	3.2 UZ42 - 1	28 DEC 2023
3.2 UZ23 - 3	05 OCT 2023	3.2 UZ32 - 2	08 AUG 2024	3.2 UZ42 - 2	28 DEC 2023
3.2 UZ23 - 4	05 OCT 2023	3.2 UZ32 - 3	05 OCT 2023	3.2 UZ42 - 3	30 NOV 2023
3.2 UZ23 - 5	08 AUG 2024	3.2 UZ32 - 4	05 OCT 2023	3.2 UZ42 - 4	30 NOV 2023
3.2 UZ23 - 6	08 AUG 2024	3.2 UZ32 - 5	22 FEB 2024	3.2 UZ42 - 5	30 NOV 2023
3.2 UZ23 - 7	05 OCT 2023	3.2 UZ33 - 1	02 NOV 2023	3.2 UZ42 - 6	30 NOV 2023
3.2 UZ23 - 8	05 OCT 2023	3.2 UZ33 - 2	02 NOV 2023	3.2 UZ42 - 7	30 NOV 2023
3.2 UZ24 - 1	08 AUG 2024	3.2 UZ33 - 3	02 NOV 2023	3.2 UZ42 - 8	30 NOV 2023
3.2 UZ24 - 2	08 AUG 2024	3.2 UZ33 - 4	02 NOV 2023	3.2 UZ42 - 9	30 NOV 2023
3.2 UZ24 - 3	05 OCT 2023	3.2 UZ33 - 5	22 FEB 2024	3.2 UZ42 - 10	30 NOV 2023
3.2 UZ24 - 4	05 OCT 2023	3.2 UZ33 - 6	22 FEB 2024	3.2 UZ42 - 11	30 NOV 2023
3.2 UZ24 - 5	05 OCT 2023	3.2 UZ33 - 7	05 OCT 2023	3.2 UZ42 - 12	30 NOV 2023
3.2 UZ24 - 6	05 OCT 2023	3.2 UZ34 - 1	08 AUG 2024	3.2 UZ44 - 1	22 FEB 2024
3.2 UZ24 - 7	05 OCT 2023	3.2 UZ34 - 2	08 AUG 2024	3.2 UZ44 - 2	22 FEB 2024
3.2 UZ24 - 8	05 OCT 2023	3.2 UZ34 - 3	05 OCT 2023	3.2 UZ45 - 1	05 OCT 2023
3.2 UZ24 - 9	21 MAR 2024	3.2 UZ35 - 1	25 JAN 2024	3.2 UZ45 - 2	05 OCT 2023
3.2 UZ25 - 1	05 OCT 2023	3.2 UZ35 - 2	25 JAN 2024	3.2 UZ45 - 3	05 OCT 2023
3.2 UZ25 - 2	05 OCT 2023	3.2 UZ35 - 3	21 MAR 2024	3.2 UZ46 - 1	28 DEC 2023
3.2 UZ25 - 3	08 AUG 2024	3.2 UZ35 - 4	21 MAR 2024	3.2 UZ46 - 2	28 DEC 2023
3.2 UZ25 - 4	08 AUG 2024	3.2 UZ35 - 5	22 FEB 2024	3.2 UZ46 - 3	05 OCT 2023
3.2 UZ25 - 5	30 NOV 2023	3.2 UZ35 - 6	22 FEB 2024	3.2 UZ47 - 1	13 JUN 2024
3.2 UZ26 - 1	30 NOV 2023	3.2 UZ38 - 1	05 OCT 2023	3.2 UZ47 - 2	13 JUN 2024
3.2 UZ26 - 2	30 NOV 2023	3.2 UZ38 - 2	05 OCT 2023	3.2 UZ48 - 1	13 JUN 2024
3.2 UZ26 - 3	08 AUG 2024	3.2 UZ38 - 3	05 OCT 2023	3.2 UZ49 - 1	05 OCT 2023
3.2 UZ26 - 4	08 AUG 2024	3.2 UZ38 - 4	05 OCT 2023	3.2 UZ49 - 2	05 OCT 2023
3.2 UZ26 - 5	02 NOV 2023	3.2 UZ38 - 5	08 AUG 2024	3.2 UZ49 - 3	05 OCT 2023
3.2 UZ26 - 6	02 NOV 2023	3.2 UZ38 - 6	08 AUG 2024	3.2 UZ5 - 1	05 OCT 2023
3.2 UZ26 - 7	05 OCT 2023	3.2 UZ38 - 7	05 OCT 2023	3.2 UZ5 - 2	05 OCT 2023
3.2 UZ26 - 8	05 OCT 2023	3.2 UZ38 - 8	05 OCT 2023	3.2 UZ5 - 3	05 OCT 2023
3.2 UZ28 - 1	13 JUN 2024	3.2 UZ38 - 9	05 OCT 2023	3.2 UZ5 - 4	05 OCT 2023
3.2 UZ28 - 2	13 JUN 2024	3.2 UZ39 - 1	05 OCT 2023	3.2 UZ5 - 5	05 OCT 2023
3.2 UZ28 - 3	13 JUN 2024	3.2 UZ39 - 2	05 OCT 2023	3.2 UZ5 - 6	05 OCT 2023
3.2 UZ29 - 1	11 JUL 2024	3.2 UZ4 - 1	11 JUL 2024	3.2 UZ5 - 7	05 OCT 2023
3.2 UZ29 - 2	11 JUL 2024	3.2 UZ4 - 2	11 JUL 2024	3.2 UZ5 - 8	05 OCT 2023
3.2 UZ29 - 3	21 MAR 2024	3.2 UZ4 - 3	05 OCT 2023	3.2 UZ5 - 9	05 OCT 2023
3.2 UZ29 - 4	21 MAR 2024	3.2 UZ4 - 4	05 OCT 2023	3.2 UZ5 - 10	05 OCT 2023
3.2 UZ29 - 5	21 MAR 2024	3.2 UZ4 - 5	05 OCT 2023	3.2 UZ5 - 11	08 AUG 2024

3.2 UZ5 - 12	08 AUG 2024	3.2 UZ65 - 1	05 OCT 2023	3.2 UZ79 - 3	02 NOV 2023
3.2 UZ5 - 13	05 OCT 2023	3.2 UZ65 - 2	05 OCT 2023	3.2 UZ79 - 4	02 NOV 2023
3.2 UZ50 - 1	13 JUN 2024	3.2 UZ65 - 3	05 OCT 2023	3.2 UZ79 - 5	02 NOV 2023
3.2 UZ50 - 2	13 JUN 2024	3.2 UZ65 - 4	05 OCT 2023	3.2 UZ8 - 1	11 JUL 2024
3.2 UZ50 - 3	13 JUN 2024	3.2 UZ66 - 1	05 OCT 2023	3.2 UZ8 - 2	11 JUL 2024
3.2 UZ51 - 1	05 OCT 2023	3.2 UZ66 - 2	05 OCT 2023	3.2 UZ8 - 3	02 NOV 2023
3.2 UZ51 - 2	05 OCT 2023	3.2 UZ66 - 3	05 OCT 2023	3.2 UZ8 - 4	02 NOV 2023
3.2 UZ51 - 3	05 OCT 2023	3.2 UZ68 - 1	11 JUL 2024	3.2 UZ8 - 5	02 NOV 2023
3.2 UZ51 - 4	05 OCT 2023	3.2 UZ68 - 2	11 JUL 2024	3.2 UZ8 - 6	02 NOV 2023
3.2 UZ51 - 5	05 OCT 2023	3.2 UZ69 - 1	13 JUN 2024	3.2 UZ80 - 1	02 NOV 2023
3.2 UZ52 - 1	08 AUG 2024	3.2 UZ69 - 2	13 JUN 2024	3.2 UZ80 - 2	02 NOV 2023
3.2 UZ52 - 2	08 AUG 2024	3.2 UZ69 - 3	02 NOV 2023	3.2 UZ81 - 1	05 OCT 2023
3.2 UZ52 - 3	21 MAR 2024	3.2 UZ7 - 1	22 FEB 2024	3.2 UZ81 - 2	05 OCT 2023
3.2 UZ52 - 4	21 MAR 2024	3.2 UZ7 - 2	22 FEB 2024	3.2 UZ81 - 3	05 OCT 2023
3.2 UZ53 - 1	05 OCT 2023	3.2 UZ7 - 3	05 OCT 2023	3.2 UZ81 - 4	05 OCT 2023
3.2 UZ53 - 2	05 OCT 2023	3.2 UZ7 - 4	05 OCT 2023	3.2 UZ81 - 5	05 OCT 2023
3.2 UZ54 - 1	08 AUG 2024	3.2 UZ7 - 5	05 OCT 2023	3.2 UZ81 - 6	05 OCT 2023
3.2 UZ54 - 2	08 AUG 2024	3.2 UZ7 - 6	05 OCT 2023	3.2 UZ81 - 7	22 FEB 2024
3.2 UZ55 - 1	05 OCT 2023	3.2 UZ7 - 7	05 OCT 2023	3.2 UZ81 - 8	22 FEB 2024
3.2 UZ55 - 2	05 OCT 2023	3.2 UZ7 - 8	05 OCT 2023	3.2 UZ81 - 9	22 FEB 2024
3.2 UZ56 - 1	28 DEC 2023	3.2 UZ70 - 1	25 JAN 2024	3.2 UZ81 - 10	22 FEB 2024
3.2 UZ56 - 2	28 DEC 2023	3.2 UZ70 - 2	25 JAN 2024	3.2 UZ81 - 11	02 NOV 2023
3.2 UZ57 - 1	05 OCT 2023	3.2 UZ71 - 1	13 JUN 2024	3.2 UZ81 - 12	02 NOV 2023
3.2 UZ57 - 2	05 OCT 2023	3.2 UZ71 - 2	13 JUN 2024	3.2 UZ82 - 1	25 JAN 2024
3.2 UZ58 - 1	05 OCT 2023	3.2 UZ71 - 3	13 JUN 2024	3.2 UZ82 - 2	25 JAN 2024
3.2 UZ58 - 2	05 OCT 2023	3.2 UZ71 - 4	13 JUN 2024	3.2 UZ82 - 3	25 JAN 2024
3.2 UZ58 - 3	05 OCT 2023	3.2 UZ72 - 1	08 AUG 2024	3.2 UZ82 - 4	25 JAN 2024
3.2 UZ58 - 4	05 OCT 2023	3.2 UZ72 - 2	08 AUG 2024	3.2 UZ83 - 1	11 JUL 2024
3.2 UZ59 - 1	30 NOV 2023	3.2 UZ72 - 3	05 OCT 2023	3.2 UZ83 - 2	11 JUL 2024
3.2 UZ59 - 2	30 NOV 2023	3.2 UZ72 - 4	05 OCT 2023	3.2 UZ84 - 1	05 OCT 2023
3.2 UZ59 - 3	30 NOV 2023	3.2 UZ72 - 5	05 OCT 2023	3.2 UZ84 - 2	05 OCT 2023
3.2 UZ59 - 4	30 NOV 2023	3.2 UZ73 - 1	05 OCT 2023	3.2 UZ84 - 3	05 OCT 2023
3.2 UZ59 - 5	30 NOV 2023	3.2 UZ73 - 2	05 OCT 2023	3.2 UZ84 - 4	05 OCT 2023
3.2 UZ6 - 1	05 OCT 2023	3.2 UZ73 - 3	05 OCT 2023	3.2 UZ84 - 5	05 OCT 2023
3.2 UZ6 - 2	05 OCT 2023	3.2 UZ74 - 1	05 OCT 2023	3.2 UZ84 - 6	05 OCT 2023
3.2 UZ6 - 3	05 OCT 2023	3.2 UZ74 - 2	05 OCT 2023	3.2 UZ84 - 7	05 OCT 2023
3.2 UZ6 - 4	05 OCT 2023	3.2 UZ74 - 3	05 OCT 2023	3.2 UZ84 - 8	05 OCT 2023
3.2 UZ6 - 5	05 OCT 2023	3.2 UZ74 - 4	05 OCT 2023	3.2 UZ84 - 9	05 OCT 2023
3.2 UZ6 - 6	05 OCT 2023	3.2 UZ75 - 1	28 DEC 2023	3.2 UZ84 - 10	05 OCT 2023
3.2 UZ6 - 7	11 JUL 2024	3.2 UZ75 - 2	28 DEC 2023	3.2 UZ85 - 1	30 NOV 2023
3.2 UZ6 - 8	11 JUL 2024	3.2 UZ75 - 3	13 JUN 2024	3.2 UZ85 - 2	30 NOV 2023
3.2 UZ60 - 1	02 NOV 2023	3.2 UZ75 - 4	13 JUN 2024	3.2 UZ86 - 1	30 NOV 2023
3.2 UZ60 - 2	02 NOV 2023	3.2 UZ76 - 1	05 OCT 2023	3.2 UZ87 - 1	11 JUL 2024
3.2 UZ60 - 3	30 NOV 2023	3.2 UZ76 - 2	05 OCT 2023	3.2 UZ87 - 2	11 JUL 2024
3.2 UZ61 - 1	13 JUN 2024	3.2 UZ76 - 3	05 OCT 2023	3.2 UZ87 - 3	02 NOV 2023
3.2 UZ61 - 2	13 JUN 2024	3.2 UZ76 - 4	05 OCT 2023	3.2 UZ87 - 4	02 NOV 2023
3.2 UZ61 - 3	13 JUN 2024	3.2 UZ76 - 5	08 AUG 2024	3.2 UZ87 - 5	05 OCT 2023
3.2 UZ61 - 4	13 JUN 2024	3.2 UZ76 - 6	08 AUG 2024	3.2 UZ87 - 6	05 OCT 2023
3.2 UZ61 - 5	13 JUN 2024	3.2 UZ77 - 1	05 OCT 2023	3.2 UZ87 - 7	05 OCT 2023
3.2 UZ62 - 1	05 OCT 2023	3.2 UZ77 - 2	05 OCT 2023	3.2 UZ88 - 1	02 NOV 2023
3.2 UZ62 - 2	05 OCT 2023	3.2 UZ77 - 3	05 OCT 2023	3.2 UZ88 - 2	02 NOV 2023
3.2 UZ62 - 3	05 OCT 2023	3.2 UZ77 - 4	05 OCT 2023	3.2 UZ88 - 3	02 NOV 2023
3.2 UZ63 - 1	08 AUG 2024	3.2 UZ78 - 1	02 NOV 2023	3.2 UZ88 - 4	02 NOV 2023
3.2 UZ63 - 2	08 AUG 2024	3.2 UZ78 - 2	02 NOV 2023	3.2 UZ9 - 1	05 OCT 2023
3.2 UZ63 - 3	05 OCT 2023	3.2 UZ78 - 3	02 NOV 2023	3.2 UZ9 - 2	05 OCT 2023
3.2 UZ63 - 4	05 OCT 2023	3.2 UZ78 - 4	02 NOV 2023	3.2 UZ9 - 3	05 OCT 2023
3.2 UZ63 - 5	05 OCT 2023	3.2 UZ78 - 5	02 NOV 2023	3.2 UZ9 - 4	05 OCT 2023
3.2 UZ63 - 6	05 OCT 2023	3.2 UZ78 - 6	02 NOV 2023	3.2 UZ9 - 5	05 OCT 2023
3.2 UZ63 - 7	05 OCT 2023	3.2 UZ79 - 1	02 NOV 2023	3.2 UZ9 - 6	05 OCT 2023
3.2 UZ63 - 8	05 OCT 2023	3.2 UZ79 - 2	02 NOV 2023	3.2 UZ9 - 7	05 OCT 2023

3.2 UZ9 - 8	05 OCT 2023	3.2 Z16 - 1	22 FEB 2024	3.2 Z41 - 2	28 DEC 2023
3.2 UZ9 - 9	21 MAR 2024	3.2 Z16 - 2	22 FEB 2024	3.2 Z41 - 3	28 DEC 2023
3.2 UZ91 - 1	02 NOV 2023	3.2 Z18 - 1	18 APR 2024	3.2 Z41 - 4	28 DEC 2023
3.2 UZ91 - 2	02 NOV 2023	3.2 Z18 - 2	18 APR 2024	3.2 Z41 - 5	08 AUG 2024
3.2 UZ91 - 3	05 OCT 2023	3.2 Z18 - 3	05 OCT 2023	3.2 Z42 - 1	13 JUN 2024
3.2 UZ91 - 4	05 OCT 2023	3.2 Z18 - 4	05 OCT 2023	3.2 Z43 - 1	21 MAR 2024
3.2 UZ91 - 5	02 NOV 2023	3.2 Z18 - 5	21 MAR 2024	3.2 Z43 - 2	21 MAR 2024
3.2 UZ91 - 6	02 NOV 2023	3.2 Z2 - 1	05 OCT 2023	3.2 Z43 - 3	30 NOV 2023
3.2 UZ91 - 7	05 OCT 2023	3.2 Z2 - 2	05 OCT 2023	3.2 Z43 - 4	30 NOV 2023
3.2 UZ92 - 1	05 OCT 2023	3.2 Z2 - 3	05 OCT 2023	3.2 Z43 - 5	30 NOV 2023
3.2 UZ92 - 2	05 OCT 2023	3.2 Z2 - 4	05 OCT 2023	3.2 Z45 - 1	28 DEC 2023
3.2 UZ92 - 3	05 OCT 2023	3.2 Z2 - 5	05 OCT 2023	3.2 Z45 - 2	28 DEC 2023
3.2 UZ93 - 1	13 JUN 2024	3.2 Z21 - 1	05 OCT 2023	3.2 Z45 - 3	22 FEB 2024
3.2 UZ93 - 2	13 JUN 2024	3.2 Z21 - 2	05 OCT 2023	3.2 Z45 - 4	22 FEB 2024
3.2 UZ93 - 3	13 JUN 2024	3.2 Z21 - 3	05 OCT 2023	3.2 Z45 - 5	05 OCT 2023
3.2 UZ94 - 1	05 OCT 2023	3.2 Z22 - 1	05 OCT 2023	3.2 Z47 - 1	08 AUG 2024
3.2 UZ94 - 2	05 OCT 2023	3.2 Z22 - 2	05 OCT 2023	3.2 Z47 - 2	08 AUG 2024
3.2 UZ94 - 3	05 OCT 2023	3.2 Z22 - 3	05 OCT 2023	3.2 Z47 - 3	08 AUG 2024
3.2 UZ94 - 4	05 OCT 2023	3.2 Z22 - 4	05 OCT 2023	3.2 Z47 - 4	08 AUG 2024
3.2 UZ95 - 1	28 DEC 2023	3.2 Z22 - 5	05 OCT 2023	3.2 Z47 - 5	30 NOV 2023
3.2 UZ95 - 2	28 DEC 2023	3.2 Z23 - 1	13 JUN 2024	3.2 Z47 - 6	30 NOV 2023
3.2 UZ95 - 3	22 FEB 2024	3.2 Z23 - 2	13 JUN 2024	3.2 Z47 - 7	13 JUN 2024
3.2 UZ95 - 4	22 FEB 2024	3.2 Z24 - 1	11 JUL 2024	3.2 Z47 - 8	13 JUN 2024
3.2 UZ96 - 1	13 JUN 2024	3.2 Z24 - 2	11 JUL 2024	3.2 Z48 - 1	22 FEB 2024
3.2 UZ96 - 2	13 JUN 2024	3.2 Z26 - 1	22 FEB 2024	3.2 Z48 - 2	22 FEB 2024
3.2 UZ96 - 3	13 JUN 2024	3.2 Z28 - 1	13 JUN 2024	3.2 Z48 - 3	05 OCT 2023
3.2 UZ98 - 1	08 AUG 2024	3.2 Z28 - 2	13 JUN 2024	3.2 Z48 - 4	05 OCT 2023
3.2 UZ98 - 2	08 AUG 2024	3.2 Z3 - 1	08 AUG 2024	3.2 Z48 - 5	22 FEB 2024
3.2 UZ98 - 3	08 AUG 2024	3.2 Z3 - 2	08 AUG 2024	3.2 Z48 - 6	22 FEB 2024
3.2 UZ98 - 4	08 AUG 2024	3.2 Z3 - 3	08 AUG 2024	3.2 Z49 - 1	05 OCT 2023
3.2 UZ98 - 5	08 AUG 2024	3.2 Z3 - 4	08 AUG 2024	3.2 Z49 - 2	05 OCT 2023
3.2 Z1 - 1	21 MAR 2024	3.2 Z31 - 1	13 JUN 2024	3.2 Z49 - 3	22 FEB 2024
3.2 Z1 - 2	21 MAR 2024	3.2 Z31 - 2	13 JUN 2024	3.2 Z5 - 1	25 JAN 2024
3.2 Z1 - 3	05 OCT 2023	3.2 Z31 - 3	13 JUN 2024	3.2 Z5 - 2	25 JAN 2024
3.2 Z1 - 4	05 OCT 2023	3.2 Z32 - 1	08 AUG 2024	3.2 Z5 - 3	18 APR 2024
3.2 Z1 - 5	05 OCT 2023	3.2 Z32 - 2	08 AUG 2024	3.2 Z5 - 4	18 APR 2024
3.2 Z1 - 6	05 OCT 2023	3.2 Z34 - 1	11 JUL 2024	3.2 Z5 - 5	05 OCT 2023
3.2 Z10 - 1	18 APR 2024	3.2 Z34 - 2	11 JUL 2024	3.2 Z5 - 6	05 OCT 2023
3.2 Z10 - 2	18 APR 2024	3.2 Z35 - 1	13 JUN 2024	3.2 Z5 - 7	21 MAR 2024
3.2 Z10 - 3	18 APR 2024	3.2 Z35 - 2	13 JUN 2024	3.2 Z52 - 1	21 MAR 2024
3.2 Z11 - 1	13 JUN 2024	3.2 Z35 - 3	13 JUN 2024	3.2 Z52 - 2	21 MAR 2024
3.2 Z11 - 2	13 JUN 2024	3.2 Z35 - 4	13 JUN 2024	3.2 Z52 - 3	28 DEC 2023
3.2 Z12 - 1	25 JAN 2024	3.2 Z35 - 5	13 JUN 2024	3.2 Z52 - 4	28 DEC 2023
3.2 Z12 - 2	25 JAN 2024	3.2 Z35 - 6	13 JUN 2024	3.2 Z52 - 5	30 NOV 2023
3.2 Z12 - 3	05 OCT 2023	3.2 Z35 - 7	13 JUN 2024	3.2 Z54 - 1	13 JUN 2024
3.2 Z12 - 4	05 OCT 2023	3.2 Z35 - 8	13 JUN 2024	3.2 Z54 - 2	13 JUN 2024
3.2 Z13 - 1	13 JUN 2024	3.2 Z35 - 9	13 JUN 2024	3.2 Z54 - 3	13 JUN 2024
3.2 Z13 - 2	13 JUN 2024	3.2 Z35 - 10	13 JUN 2024	3.2 Z54 - 4	13 JUN 2024
3.2 Z13 - 3	05 OCT 2023	3.2 Z36 - 1	08 AUG 2024	3.2 Z55 - 1	30 NOV 2023
3.2 Z13 - 4	05 OCT 2023	3.2 Z36 - 2	08 AUG 2024	3.2 Z55 - 2	30 NOV 2023
3.2 Z14 - 1	11 JUL 2024	3.2 Z36 - 3	08 AUG 2024	3.2 Z55 - 3	08 AUG 2024
3.2 Z14 - 2	11 JUL 2024	3.2 Z36 - 4	08 AUG 2024	3.2 Z55 - 4	08 AUG 2024
3.2 Z14 - 3	13 JUN 2024	3.2 Z36 - 5	05 OCT 2023	3.2 Z56 - 1	05 OCT 2023
3.2 Z15 - 1	05 OCT 2023	3.2 Z36 - 6	05 OCT 2023	3.2 Z56 - 2	05 OCT 2023
3.2 Z15 - 2	05 OCT 2023	3.2 Z4 - 1	21 MAR 2024	3.2 Z56 - 3	05 OCT 2023
3.2 Z15 - 3	11 JUL 2024	3.2 Z4 - 2	21 MAR 2024	3.2 Z59 - 1	11 JUL 2024
3.2 Z15 - 4	11 JUL 2024	3.2 Z4 - 3	11 JUL 2024	3.2 Z59 - 2	11 JUL 2024
3.2 Z15 - 5	05 OCT 2023	3.2 Z4 - 4	11 JUL 2024	3.2 Z6 - 1	05 OCT 2023
3.2 Z15 - 6	05 OCT 2023	3.2 Z4 - 5	05 OCT 2023	3.2 Z6 - 2	05 OCT 2023
3.2 Z15 - 7	05 OCT 2023	3.2 Z41 - 1	28 DEC 2023	3.2 Z6 - 3	05 OCT 2023

3.2 Z62 - 1	22 FEB 2024	3.2 Z9 - 2	22 FEB 2024	4.4 - 10	08 AUG 2024
3.2 Z62 - 2	22 FEB 2024	3.2 Z9 - 3	30 NOV 2023	4.4 - 11	08 AUG 2024
3.2 Z63 - 1	05 OCT 2023	3.2 Z9 - 4	30 NOV 2023	4.4 - 12	08 AUG 2024
3.2 Z63 - 2	05 OCT 2023	3.2 Z9 - 5	30 NOV 2023	4.4 - 13	08 AUG 2024
3.2 Z63 - 3	05 OCT 2023	3.2 Z9 - 6	30 NOV 2023	4.4 - 14	08 AUG 2024
3.2 Z63 - 4	05 OCT 2023	3.2 Z9 - 7	30 NOV 2023	4.4 - 15	08 AUG 2024
3.2 Z64 - 1	21 MAR 2024	3.2 Z91 - 1	05 OCT 2023	4.4 - 16	08 AUG 2024
3.2 Z64 - 2	21 MAR 2024	3.2 Z91 - 2	05 OCT 2023	4.4 - 17	08 AUG 2024
3.2 Z64 - 3	05 OCT 2023	3.2 Z91 - 3	05 OCT 2023	4.4 - 18	08 AUG 2024
3.2 Z65 - 1	05 OCT 2023	3.2 Z92 - 1	05 OCT 2023	4.4 - 19	08 AUG 2024
3.2 Z65 - 2	05 OCT 2023	3.2 Z92 - 2	05 OCT 2023	4.4 - 20	08 AUG 2024
3.2 Z65 - 3	05 OCT 2023	3.2 Z92 - 3	05 OCT 2023	4.4 - 21	08 AUG 2024
3.2 Z7 - 1	30 NOV 2023	3.3 - 1	05 OCT 2023	4.4 - 22	08 AUG 2024
3.2 Z7 - 2	30 NOV 2023	3.3 - 2	05 OCT 2023	4.4 - 23	08 AUG 2024
3.2 Z7 - 3	05 OCT 2023	3.3 - 3	25 JAN 2024	4.4 - 24	08 AUG 2024
3.2 Z7 - 4	05 OCT 2023	3.3 - 4	25 JAN 2024	4.4 - 25	08 AUG 2024
3.2 Z7 - 5	30 NOV 2023	3.3 - 5	05 OCT 2023	4.4 - 26	08 AUG 2024
3.2 Z7 - 6	30 NOV 2023	3.3 - 6	05 OCT 2023	4.4 - 27	08 AUG 2024
3.2 Z7 - 7	11 JUL 2024	3.3 - 7	05 OCT 2023	4.4 - 28	08 AUG 2024
3.2 Z7 - 8	11 JUL 2024	3.3 - 8	05 OCT 2023	4.4 - 29	08 AUG 2024
3.2 Z7 - 9	30 NOV 2023	3.3 - 9	25 JAN 2024	4.4 - 30	08 AUG 2024
3.2 Z72 - 1	22 FEB 2024	3.3 - 10	25 JAN 2024	4.4 - 31	08 AUG 2024
3.2 Z72 - 2	22 FEB 2024	3.3 - 11	11 JUL 2024	4.4 - 32	08 AUG 2024
3.2 Z72 - 3	22 FEB 2024	3.3 - 12	11 JUL 2024	4.4 - 33	08 AUG 2024
3.2 Z72 - 4	22 FEB 2024	3.3 - 13	25 JAN 2024	4.4 - 34	08 AUG 2024
3.2 Z73 - 1	08 AUG 2024	3.3 - 14	25 JAN 2024	4.4 - 35	08 AUG 2024
3.2 Z73 - 2	08 AUG 2024	3.3 - 15	11 JUL 2024	4.4 - 36	08 AUG 2024
3.2 Z73 - 3	05 OCT 2023	3.3 - 16	11 JUL 2024	4.4 - 37	08 AUG 2024
3.2 Z73 - 4	05 OCT 2023	3.3 - 17	11 JUL 2024	4.4 - 38	08 AUG 2024
3.2 Z73 - 5	05 OCT 2023	3.3 - 18	11 JUL 2024	4.4 - 39	08 AUG 2024
3.2 Z8 - 1	28 DEC 2023	3.4 - 1	05 OCT 2023	4.4 - 40	08 AUG 2024
3.2 Z8 - 2	28 DEC 2023			4.4 - 41	08 AUG 2024
3.2 Z8 - 3	28 DEC 2023	**ENR 4**		4.4 - 42	08 AUG 2024
3.2 Z8 - 4	28 DEC 2023	4.1 - 1	28 DEC 2023	4.4 - 43	08 AUG 2024
3.2 Z81 - 1	22 FEB 2024	4.1 - 2	28 DEC 2023	4.4 - 44	08 AUG 2024
3.2 Z81 - 2	22 FEB 2024	4.1 - 3	11 JUL 2024	4.4 - 45	08 AUG 2024
3.2 Z81 - 3	05 OCT 2023	4.1 - 4	11 JUL 2024	4.4 - 46	08 AUG 2024
3.2 Z82 - 1	13 JUN 2024	4.1 - 5	11 JUL 2024	4.4 - 47	08 AUG 2024
3.2 Z82 - 2	13 JUN 2024	4.1 - 6	11 JUL 2024	4.4 - 48	08 AUG 2024
3.2 Z82 - 3	13 JUN 2024	4.1 - 7	11 JUL 2024	4.4 - 49	08 AUG 2024
3.2 Z82 - 4	13 JUN 2024	4.1 - 8	11 JUL 2024	4.5 - 1	13 JUN 2024
3.2 Z82 - 5	13 JUN 2024	4.1 - 9	11 JUL 2024	4.5 - 2	13 JUN 2024
3.2 Z82 - 6	13 JUN 2024	4.1 - 10	11 JUL 2024	4.5 - 3	13 JUN 2024
3.2 Z82 - 7	13 JUN 2024	4.1 - 11	11 JUL 2024	4.5 - 4	13 JUN 2024
3.2 Z84 - 1	05 OCT 2023	4.1 - 12	11 JUL 2024	4.5 - 5	13 JUN 2024
3.2 Z84 - 2	05 OCT 2023	4.1 - 13	11 JUL 2024	4.5 - 6	13 JUN 2024
3.2 Z84 - 3	05 OCT 2023	4.1 - 14	11 JUL 2024	4.5 - 7	11 JUL 2024
3.2 Z84 - 4	05 OCT 2023	4.1 - 15	11 JUL 2024	4.5 - 8	11 JUL 2024
3.2 Z85 - 1	05 OCT 2023	4.1 - 16	11 JUL 2024	4.5 - 9	11 JUL 2024
3.2 Z85 - 2	05 OCT 2023	4.2 - 1	05 OCT 2023	4.5 - 10	11 JUL 2024
3.2 Z85 - 3	02 NOV 2023	4.3 - 1	05 OCT 2023	4.5 - 11	13 JUN 2024
3.2 Z85 - 4	02 NOV 2023	4.4 - 1	11 JUL 2024	4.5 - 12	13 JUN 2024
3.2 Z85 - 5	11 JUL 2024	4.4 - 2	11 JUL 2024	4.5 - 13	13 JUN 2024
3.2 Z85 - 6	11 JUL 2024	4.4 - 3	11 JUL 2024	4.5 - 14	13 JUN 2024
3.2 Z85 - 7	05 OCT 2023	4.4 - 4	11 JUL 2024	4.5 - 15	13 JUN 2024
3.2 Z86 - 1	05 OCT 2023	4.4 - 5	08 AUG 2024	4.5 - 16	13 JUN 2024
3.2 Z86 - 2	05 OCT 2023	4.4 - 6	08 AUG 2024	4.5 - 17	11 JUL 2024
3.2 Z86 - 3	05 OCT 2023	4.4 - 7	08 AUG 2024	4.5 - 18	11 JUL 2024
3.2 Z86 - 4	05 OCT 2023	4.4 - 8	08 AUG 2024	4.5 - 19	11 JUL 2024
3.2 Z9 - 1	22 FEB 2024	4.4 - 9	08 AUG 2024	4.5 - 20	11 JUL 2024

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ENR 5		
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	ENR 6 - 31	21 MAR 2024
	ENR 6 - 33	21 MAR 2024
	ENR 6 - 35	21 MAR 2024
	ENR 6 - 37	21 MAR 2024
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	0.6 - 2	28 DEC 2023
AD 1		
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	1.1 - 5	05 OCT 2023
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	1.5 - 2	11 JUL 2024		AD 2 SBBH - 15	11 JUL 2024		AD 2 SBCF - 13	11 JUL 2024
	1.5 - 3	11 JUL 2024		AD 2 SBBH - 16	11 JUL 2024		AD 2 SBCF - 14	11 JUL 2024
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AD 2 -				AD 2 SBBR - 2	25 JAN 2024		AD 2 SBCF - 16	11 JUL 2024
AERODROMES				AD 2 SBBR - 3	30 NOV 2023		AD 2 SBCG - 1	11 JUL 2024
	AD 2 SBAR - 1	13 JUN 2024		AD 2 SBBR - 4	30 NOV 2023		AD 2 SBCG - 2	11 JUL 2024
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	AD 2 SBAR - 3	18 APR 2024		AD 2 SBBR - 6	16 MAY 2024		AD 2 SBCG - 4	11 JUL 2024
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AD 2 SBGR - 19	30 NOV 2023	AD 2 SBMO - 8	16 MAY 2024	AD 2 SBPJ - 9	11 JUL 2024
AD 2 SBGR - 20	30 NOV 2023	AD 2 SBMO - 9	11 JUL 2024	AD 2 SBPJ - 10	11 JUL 2024
AD 2 SBGR - 21	30 NOV 2023	AD 2 SBMO - 10	11 JUL 2024	AD 2 SBPJ - 11	11 JUL 2024
AD 2 SBGR - 22	30 NOV 2023	AD 2 SBMO - 11	11 JUL 2024	AD 2 SBPJ - 12	11 JUL 2024
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AD 2 SBJH - 1	22 FEB 2024	AD 2 SBMQ - 4	28 DEC 2023	AD 2 SBPK - 7	16 MAY 2024
AD 2 SBJH - 2	22 FEB 2024	AD 2 SBMQ - 5	30 NOV 2023	AD 2 SBPK - 8	16 MAY 2024
AD 2 SBJH - 3	18 APR 2024	AD 2 SBMQ - 6	30 NOV 2023	AD 2 SBPK - 9	16 MAY 2024
AD 2 SBJH - 4	18 APR 2024	AD 2 SBMQ - 7	16 MAY 2024	AD 2 SBPK - 10	16 MAY 2024
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AD 2 SBJH - 6	18 APR 2024	AD 2 SBMQ - 9	11 JUL 2024	AD 2 SBPK - 12	16 MAY 2024
AD 2 SBJH - 7	11 JUL 2024	AD 2 SBMQ - 10	11 JUL 2024	AD 2 SBPP - 1	16 MAY 2024
AD 2 SBJH - 8	11 JUL 2024	AD 2 SBMQ - 11	11 JUL 2024	AD 2 SBPP - 2	16 MAY 2024
AD 2 SBJH - 9	11 JUL 2024	AD 2 SBMQ - 12	11 JUL 2024	AD 2 SBPP - 3	16 MAY 2024
AD 2 SBJH - 10	11 JUL 2024	AD 2 SBMQ - 13	11 JUL 2024	AD 2 SBPP - 4	16 MAY 2024
AD 2 SBJH - 11	11 JUL 2024	AD 2 SBNF - 1	16 MAY 2024	AD 2 SBPP - 5	18 APR 2024
AD 2 SBJP - 1	16 MAY 2024	AD 2 SBNF - 2	16 MAY 2024	AD 2 SBPP - 6	18 APR 2024
AD 2 SBJP - 2	16 MAY 2024	AD 2 SBNF - 3	11 JUL 2024	AD 2 SBPP - 7	16 MAY 2024
AD 2 SBJP - 3	13 JUN 2024	AD 2 SBNF - 4	11 JUL 2024	AD 2 SBPP - 8	16 MAY 2024
AD 2 SBJP - 4	13 JUN 2024	AD 2 SBNF - 5	11 JUL 2024	AD 2 SBPP - 9	13 JUN 2024
AD 2 SBJP - 5	21 MAR 2024	AD 2 SBNF - 6	11 JUL 2024	AD 2 SBPP - 10	13 JUN 2024
AD 2 SBJP - 6	21 MAR 2024	AD 2 SBNF - 7	11 JUL 2024	AD 2 SBPP - 11	13 JUN 2024
AD 2 SBJP - 7	16 MAY 2024	AD 2 SBNF - 8	11 JUL 2024	AD 2 SBPS - 1	16 MAY 2024
AD 2 SBJP - 8	16 MAY 2024	AD 2 SBNF - 9	11 JUL 2024	AD 2 SBPS - 2	16 MAY 2024
AD 2 SBJP - 9	11 JUL 2024	AD 2 SBNF - 10	11 JUL 2024	AD 2 SBPS - 3	11 JUL 2024
AD 2 SBJP - 10	11 JUL 2024	AD 2 SBNF - 11	11 JUL 2024	AD 2 SBPS - 4	11 JUL 2024
AD 2 SBJP - 11	11 JUL 2024	AD 2 SBNF - 12	11 JUL 2024	AD 2 SBPS - 5	11 JUL 2024
AD 2 SBJP - 12	11 JUL 2024	AD 2 SBNF - 13	11 JUL 2024	AD 2 SBPS - 6	11 JUL 2024
AD 2 SBJP - 13	11 JUL 2024	AD 2 SBNF - 14	11 JUL 2024	AD 2 SBPS - 7	11 JUL 2024
AD 2 SBJP - 14	11 JUL 2024	AD 2 SBPA - 1	22 FEB 2024	AD 2 SBPS - 8	11 JUL 2024
AD 2 SBKP - 1	16 MAY 2024	AD 2 SBPA - 2	22 FEB 2024	AD 2 SBPS - 9	11 JUL 2024
AD 2 SBKP - 2	16 MAY 2024	AD 2 SBPA - 3	18 APR 2024	AD 2 SBPS - 10	11 JUL 2024
AD 2 SBKP - 3	22 FEB 2024	AD 2 SBPA - 4	18 APR 2024	AD 2 SBPS - 11	11 JUL 2024
AD 2 SBKP - 4	22 FEB 2024	AD 2 SBPA - 5	18 APR 2024	AD 2 SBPS - 12	11 JUL 2024
AD 2 SBKP - 5	13 JUN 2024	AD 2 SBPA - 6	18 APR 2024	AD 2 SBPS - 13	11 JUL 2024
AD 2 SBKP - 6	13 JUN 2024	AD 2 SBPA - 7	30 NOV 2023	AD 2 SBPV - 1	16 MAY 2024
AD 2 SBKP - 7	30 NOV 2023	AD 2 SBPA - 8	30 NOV 2023	AD 2 SBPV - 2	16 MAY 2024
AD 2 SBKP - 8	30 NOV 2023	AD 2 SBPA - 9	16 MAY 2024	AD 2 SBPV - 3	11 JUL 2024
AD 2 SBKP - 9	11 JUL 2024	AD 2 SBPA - 10	16 MAY 2024	AD 2 SBPV - 4	11 JUL 2024
AD 2 SBKP - 10	11 JUL 2024	AD 2 SBPA - 11	11 JUL 2024	AD 2 SBPV - 5	11 JUL 2024
AD 2 SBKP - 11	11 JUL 2024	AD 2 SBPA - 12	11 JUL 2024	AD 2 SBPV - 6	11 JUL 2024
AD 2 SBKP - 12	11 JUL 2024	AD 2 SBPA - 13	11 JUL 2024	AD 2 SBPV - 7	11 JUL 2024
AD 2 SBKP - 13	11 JUL 2024	AD 2 SBPA - 14	11 JUL 2024	AD 2 SBPV - 8	11 JUL 2024
AD 2 SBKP - 14	11 JUL 2024	AD 2 SBPA - 15	11 JUL 2024	AD 2 SBPV - 9	11 JUL 2024
AD 2 SBKP - 15	11 JUL 2024	AD 2 SBPA - 16	11 JUL 2024	AD 2 SBPV - 10	11 JUL 2024
AD 2 SBKP - 16	11 JUL 2024	AD 2 SBPA - 17	11 JUL 2024	AD 2 SBPV - 11	11 JUL 2024
AD 2 SBKP - 17	11 JUL 2024	AD 2 SBPA - 18	11 JUL 2024	AD 2 SBPV - 12	11 JUL 2024
AD 2 SBKP - 18	11 JUL 2024	AD 2 SBPJ - 1	11 JUL 2024	AD 2 SBRB - 1	13 JUN 2024
AD 2 SBMO - 1	13 JUN 2024	AD 2 SBPJ - 2	11 JUL 2024	AD 2 SBRB - 2	13 JUN 2024
AD 2 SBMO - 2	13 JUN 2024	AD 2 SBPJ - 3	05 OCT 2023	AD 2 SBRB - 3	13 JUN 2024
AD 2 SBMO - 3	22 FEB 2024	AD 2 SBPJ - 4	05 OCT 2023	AD 2 SBRB - 4	13 JUN 2024
AD 2 SBMO - 4	22 FEB 2024	AD 2 SBPJ - 5	18 APR 2024	AD 2 SBRB - 5	13 JUN 2024
AD 2 SBMO - 5	16 MAY 2024	AD 2 SBPJ - 6	18 APR 2024	AD 2 SBRB - 6	13 JUN 2024
AD 2 SBMO - 6	16 MAY 2024	AD 2 SBPJ - 7	30 NOV 2023	AD 2 SBRB - 7	13 JUN 2024

AD 2 SBRB - 8	13 JUN 2024	AD 2 SBSG - 5	30 NOV 2023	AD 2 SBSP - 12	08 AUG 2024
AD 2 SBRB - 9	11 JUL 2024	AD 2 SBSG - 6	30 NOV 2023	AD 2 SBSP - 13	11 JUL 2024
AD 2 SBRB - 10	11 JUL 2024	AD 2 SBSG - 7	30 NOV 2023	AD 2 SBSP - 14	11 JUL 2024
AD 2 SBRB - 11	13 JUN 2024	AD 2 SBSG - 8	30 NOV 2023	AD 2 SBSP - 15	11 JUL 2024
AD 2 SBRB - 12	13 JUN 2024	AD 2 SBSG - 9	11 JUL 2024	AD 2 SBSP - 16	11 JUL 2024
AD 2 SBRB - 13	13 JUN 2024	AD 2 SBSG - 10	11 JUL 2024	AD 2 SBSP - 17	11 JUL 2024
AD 2 SBRB - 14	13 JUN 2024	AD 2 SBSG - 11	11 JUL 2024	AD 2 SBSP - 18	11 JUL 2024
AD 2 SBRF - 1	11 JUL 2024	AD 2 SBSG - 12	11 JUL 2024	AD 2 SBSP - 19	11 JUL 2024
AD 2 SBRF - 2	11 JUL 2024	AD 2 SBSG - 13	11 JUL 2024	AD 2 SBSP - 20	11 JUL 2024
AD 2 SBRF - 3	16 MAY 2024	AD 2 SBSG - 14	11 JUL 2024	AD 2 SBSV - 1	11 JUL 2024
AD 2 SBRF - 4	16 MAY 2024	AD 2 SBSJ - 1	11 JUL 2024	AD 2 SBSV - 2	11 JUL 2024
AD 2 SBRF - 5	16 MAY 2024	AD 2 SBSJ - 2	11 JUL 2024	AD 2 SBSV - 3	30 NOV 2023
AD 2 SBRF - 6	16 MAY 2024	AD 2 SBSJ - 3	13 JUN 2024	AD 2 SBSV - 4	30 NOV 2023
AD 2 SBRF - 7	21 MAR 2024	AD 2 SBSJ - 4	13 JUN 2024	AD 2 SBSV - 5	30 NOV 2023
AD 2 SBRF - 8	21 MAR 2024	AD 2 SBSJ - 5	21 MAR 2024	AD 2 SBSV - 6	30 NOV 2023
AD 2 SBRF - 9	11 JUL 2024	AD 2 SBSJ - 6	21 MAR 2024	AD 2 SBSV - 7	30 NOV 2023
AD 2 SBRF - 10	11 JUL 2024	AD 2 SBSJ - 7	13 JUN 2024	AD 2 SBSV - 8	30 NOV 2023
AD 2 SBRF - 11	11 JUL 2024	AD 2 SBSJ - 8	13 JUN 2024	AD 2 SBSV - 9	16 MAY 2024
AD 2 SBRF - 12	11 JUL 2024	AD 2 SBSJ - 9	11 JUL 2024	AD 2 SBSV - 10	16 MAY 2024
AD 2 SBRF - 13	11 JUL 2024	AD 2 SBSJ - 10	11 JUL 2024	AD 2 SBSV - 11	08 AUG 2024
AD 2 SBRF - 14	11 JUL 2024	AD 2 SBSJ - 11	21 MAR 2024	AD 2 SBSV - 12	08 AUG 2024
AD 2 SBRF - 15	16 MAY 2024	AD 2 SBSJ - 12	21 MAR 2024	AD 2 SBSV - 13	11 JUL 2024
AD 2 SBRJ - 1	11 JUL 2024	AD 2 SBSJ - 13	21 MAR 2024	AD 2 SBSV - 14	11 JUL 2024
AD 2 SBRJ - 2	11 JUL 2024	AD 2 SBSL - 1	13 JUN 2024	AD 2 SBSV - 15	11 JUL 2024
AD 2 SBRJ - 3	16 MAY 2024	AD 2 SBSL - 2	13 JUN 2024	AD 2 SBSV - 16	11 JUL 2024
AD 2 SBRJ - 4	16 MAY 2024	AD 2 SBSL - 3	30 NOV 2023	AD 2 SBSV - 17	16 MAY 2024
AD 2 SBRJ - 5	28 DEC 2023	AD 2 SBSL - 4	30 NOV 2023	AD 2 SBSV - 18	16 MAY 2024
AD 2 SBRJ - 6	28 DEC 2023	AD 2 SBSL - 5	05 OCT 2023	AD 2 SBTT - 1	16 MAY 2024
AD 2 SBRJ - 7	28 DEC 2023	AD 2 SBSL - 6	05 OCT 2023	AD 2 SBTT - 2	16 MAY 2024
AD 2 SBRJ - 8	28 DEC 2023	AD 2 SBSL - 7	18 APR 2024	AD 2 SBTT - 3	30 NOV 2023
AD 2 SBRJ - 9	28 DEC 2023	AD 2 SBSL - 8	18 APR 2024	AD 2 SBTT - 4	30 NOV 2023
AD 2 SBRJ - 10	28 DEC 2023	AD 2 SBSL - 9	11 JUL 2024	AD 2 SBTT - 5	30 NOV 2023
AD 2 SBRJ - 11	28 DEC 2023	AD 2 SBSL - 10	11 JUL 2024	AD 2 SBTT - 6	30 NOV 2023
AD 2 SBRJ - 12	28 DEC 2023	AD 2 SBSL - 11	11 JUL 2024	AD 2 SBTT - 7	16 MAY 2024
AD 2 SBRJ - 13	08 AUG 2024	AD 2 SBSL - 12	11 JUL 2024	AD 2 SBTT - 8	16 MAY 2024
AD 2 SBRJ - 14	08 AUG 2024	AD 2 SBSL - 13	16 MAY 2024	AD 2 SBTT - 9	25 JAN 2024
AD 2 SBRJ - 15	11 JUL 2024	AD 2 SBSL - 14	16 MAY 2024	AD 2 SBTT - 10	25 JAN 2024
AD 2 SBRJ - 16	11 JUL 2024	AD 2 SBSN - 1	16 MAY 2024	AD 2 SBTT - 11	28 DEC 2023
AD 2 SBRJ - 17	11 JUL 2024	AD 2 SBSN - 2	16 MAY 2024	AD 2 SBTT - 12	28 DEC 2023
AD 2 SBRJ - 18	11 JUL 2024	AD 2 SBSN - 3	25 JAN 2024	AD 2 SBUG - 1	11 JUL 2024
AD 2 SBRJ - 19	11 JUL 2024	AD 2 SBSN - 4	25 JAN 2024	AD 2 SBUG - 2	11 JUL 2024
AD 2 SBRJ - 20	11 JUL 2024	AD 2 SBSN - 5	11 JUL 2024	AD 2 SBUG - 3	11 JUL 2024
AD 2 SBRP - 1	16 MAY 2024	AD 2 SBSN - 6	11 JUL 2024	AD 2 SBUG - 4	11 JUL 2024
AD 2 SBRP - 2	16 MAY 2024	AD 2 SBSN - 7	11 JUL 2024	AD 2 SBUG - 5	11 JUL 2024
AD 2 SBRP - 3	02 NOV 2023	AD 2 SBSN - 8	11 JUL 2024	AD 2 SBUG - 6	11 JUL 2024
AD 2 SBRP - 4	02 NOV 2023	AD 2 SBSN - 9	11 JUL 2024	AD 2 SBUG - 7	11 JUL 2024
AD 2 SBRP - 5	30 NOV 2023	AD 2 SBSN - 10	11 JUL 2024	AD 2 SBUG - 8	11 JUL 2024
AD 2 SBRP - 6	30 NOV 2023	AD 2 SBSN - 11	11 JUL 2024	AD 2 SBUG - 9	18 APR 2024
AD 2 SBRP - 7	30 NOV 2023	AD 2 SBSN - 12	11 JUL 2024	AD 2 SBUG - 10	18 APR 2024
AD 2 SBRP - 8	30 NOV 2023	AD 2 SBSP - 1	11 JUL 2024	AD 2 SBUG - 11	25 JAN 2024
AD 2 SBRP - 9	16 MAY 2024	AD 2 SBSP - 2	11 JUL 2024	AD 2 SBUG - 12	25 JAN 2024
AD 2 SBRP - 10	16 MAY 2024	AD 2 SBSP - 3	11 JUL 2024	AD 2 SBUG - 13	28 DEC 2023
AD 2 SBRP - 11	11 JUL 2024	AD 2 SBSP - 4	11 JUL 2024	AD 2 SBVT - 1	16 MAY 2024
AD 2 SBRP - 12	11 JUL 2024	AD 2 SBSP - 5	11 JUL 2024	AD 2 SBVT - 2	16 MAY 2024
AD 2 SBRP - 13	11 JUL 2024	AD 2 SBSP - 6	11 JUL 2024	AD 2 SBVT - 3	25 JAN 2024
AD 2 SBRP - 14	11 JUL 2024	AD 2 SBSP - 7	28 DEC 2023	AD 2 SBVT - 4	25 JAN 2024
AD 2 SBSG - 1	11 JUL 2024	AD 2 SBSP - 8	28 DEC 2023	AD 2 SBVT - 5	30 NOV 2023
AD 2 SBSG - 2	11 JUL 2024	AD 2 SBSP - 9	16 MAY 2024	AD 2 SBVT - 6	30 NOV 2023
AD 2 SBSG - 3	16 MAY 2024	AD 2 SBSP - 10	16 MAY 2024	AD 2 SBVT - 7	18 APR 2024
AD 2 SBSG - 4	16 MAY 2024	AD 2 SBSP - 11	08 AUG 2024	AD 2 SBVT - 8	18 APR 2024

AD 2 SBVT - 9	16 MAY 2024
AD 2 SBVT - 10	16 MAY 2024
AD 2 SBVT - 11	11 JUL 2024
AD 2 SBVT - 12	11 JUL 2024
AD 2 SBVT - 13	11 JUL 2024
AD 2 SBVT - 14	11 JUL 2024
AD 2 SBVT - 15	11 JUL 2024
AD 2 SBVT - 16	11 JUL 2024

g) o plano de voo deverá ser preenchido obedecendo-se a tabela de níveis de voo de cruzeiro do Apêndice 3 do Anexo 2 da OACI.

6.2.5.1.3. As Rotas DCT poderão ser temporariamente suspensas após coordenação entre CGNA e ACC, na porção de espaço aéreo sujeita a:

a) ativação dos planos de contingência parcial ou total;

b) degradação do serviço de vigilância ATS;

c) degradação da comunicação VHF; ou

d) degradação do Sistema de Plano de Voos.

6.2.5.2 Espaços aéreos com aplicação do conceito de rotas DCT

Os espaços aéreos onde se aplicam o conceito de Rotas Diretas (DCT) no Brasil são:

a. na FIR Amazônica, no espaço aéreo superior (acima do FL250, inclusive), com período de aplicação do conceito de Rotas DCT definido como H24;

b. Na FIR Recife, no espaço aéreo superior (acima do FL250, inclusive), com período de aplicação do conceito de Rotas DCT definido como H24, exceto na porção de espaço aéreo contida no polígono formado pelas coordenadas: S 07 47 31.00, W 035 26 43.00; S 08 08 12.00, W 034 55 38.00; S 08 07 42.00, W 034 38 42.00, S 08 32 16.00, W 033 22 33.00; S 08 45 03.00, W 032 30 36.00; S 09 06 04.00, W 031 51 52.00; S 11 46 39.00, W 033 45 22.00; S 13 37 31.00, W 035 04 58.00; S 16 17 46.00, W 037 01 41.00; S 16 07 25.00, W 037 24 59.00; S 15 38 58.00, W 038 49 25.00; S 15 36 35.00, W 039 22 29.00; S 15 23 25.00, W 039 43 26.00; S 15 06 09.00, W 040 16 56.00; S 14 32 04.00, W 040 44 11.00; S 14 19 01.00, W 041 10 48.00; S 12 38 18.00, W 040 16 21.00; S 12 14 24.00, W 040 06 00.00; S 11 13 24.00, W 039 23 34.00; S 10 06 01.00, W 038 42 01.00; S 09 48 39.00, W 038 29 20.00; S 09 24 23.00, W 038 15 03.00;

c. na FIR Curitiba, No espaço aéreo superior (acima do FL250, inclusive), na porção de espaço aéreo brasileiro, delimitada pelo polígono formado pelas coordenadas: 17 50 00 S / 057 42 46 W, 17 34 17 S / 054 41 28 W, 17 24 21 S / 054 07 24 W, 19 42 16.40 S / 052 0 41.20 W, 20 25 37.73 S / 051 21 42.80 W, 21 37 31.57 S / 050 27 28.35 W, 22 19 49 S / 049 55 4.00 W, 23 28 59.85 S / 051 59 3.90 W 23 34 24.00 S / 050 41 45.00 W, 24 10 7.00 S / 049 25 52.00 W, 25 6 17.44 S / 049 19 14.57 W, 26 17 11.77 S / 051 2 5.92 W, 26 44 57.91 S / 050 49 47.75 W, 27 22 27.38 S / 049 40 6.95 W, 27 46 19.41 S / 049 44 54.75 W, 29 5 0.00 S / 050 59 18.00 W, 29 18 27.13 S / 051 22 44.88 W, 29 49 1.09 S / 051 31 17.57 W, 29 59 45.60 S / 051 9 54.60 W, 29 16 11.15 S / 049 20 22.21 W, 30 24 27.33 S / 046 50 20.91 W, 34 0 0.00 S / 050 23 50.00 W, 34 0 0.00 S / 053 0 0.00 W, 33 53 0.00 S / 053 23 0.00 W, 30 11 02.71 S / 057 33 31.18 W, 26 35 37.42 S / 053 41 31.70 W, 25 34 24.83 S / 054 33 33.66 W, 24 08 52.20 S / 054 18 37.12 W, 23 58 07.76 S / 055 23 53.19 W, 22 30 10.08 S / 055 40 04.26 W, 22 04 15.21 S / 057 58 11.84 W, 20 10 40.49 S / 058 08 29.54 W, para o ponto de origem. Com período de aplicação do conceito de Rotas DCT definido como H24; e

d. na FIR Brasília, No espaço aéreo Superior (acima do FL250, inclusive), com período de aplicação do conceito de Rotas DCT definido como H24, na porção de espaço aéreo contida no polígono formado pelas coordenadas: 18 17 38.00S/049 28 23.00W, 19 58 45.00S/050 25 49.00W, 20 25 38.00S/051 21 43.00W, 19 42 16.00S/052 00 41.00W, 17 24 21.00S/054 07 24.00W, 17 22 17.00S/054 00 43.00W, 17 18 02.00S/053 54 49.00W, 17 14 29.00S/053 49 53.00W, 16 54 33.00S/053 22 21.00W, 16 42 33.00S/053 06 03.00W, 16 05 49.00S/053 15 16.00W, 15 48 32.00S/053 19 13.00W, 15 28 30.00S/053 23 51.00W, 16 20 15.00S/049 34 59.00W, 16 31 28.00S/049 40 13.00W, 16 34 29.00S/049 40 49.00W, 16 47 23.00S/049 39 34.00W, 16

6.2.5.1.3. DCT Routing may be suspended after coordination between CGNA and the ACC, in the airspace subject to:

a) partial or total contingency plans activation;

b) ATS surveillance contingency;

c) VHF communication contingency; or

d) flight planning system contingency.

6.2.5.2 Brazilian DCT routing airspace

The Direct Routing concept is available in the following portions of the Brazilian Airspace:

a. in the Amazonic FIR, upper airspace (above FL250, included), with the period of application of the concept of DCT Routes defined as H24;

b. In the Recife FIR, in upper airspace (above FL250, inclusive), with the period of application of the concept of DCT Routes defined as H24, except in the portion of airspace contained in the polygon formed by the coordinates: S 07 47 31.00, W 035 26 43.00; S 08 08 12.00, W 034 55 38.00; S 08 07 42.00, W 034 38 42.00, S 08 32 16.00, W 033 22 33.00; S 08 45 03.00, W 032 30 36.00; S 09 06 04.00, W 031 51 52.00; S 11 46 39.00, W 033 45 22.00; S 13 37 31.00, W 035 04 58.00; S 16 17 46.00, W 037 01 41.00; S 16 07 25.00, W 037 24 59.00; S 15 38 58.00, W 038 49 25.00; S 15 36 35.00, W 039 22 29.00; S 15 23 25.00, W 039 43 26.00; S 15 06 09.00, W 040 16 56.00; S 14 32 04.00, W 040 44 11.00; S 14 19 01.00, W 041 10 48.00; S 12 38 18.00, W 040 16 21.00; S 12 14 24.00, W 040 06 00.00; S 11 13 24.00, W 039 23 34.00; S 10 06 01.00, W 038 42 01.00; S 09 48 39.00, W 038 29 20.00; S 09 24 23.00, W 038 15 03.00;

c. in the Curitiba FIR:, In upper airspace (above FL250, inclusive), in the portion of Brazilian airspace, delimited by the polygon formed by the coordinates: 17 50 00 S / 057 42 46 W, 17 34 17 S / 054 41 28 W, 17 24 21 S / 054 07 24 W, 19 42 16.40 S / 052 0 41.20 W, 20 25 37.73 S / 051 21 42.80 W, 21 37 31.57 S / 050 27 28.35 W, 22 19 49 S / 049 55 4.00 W, 23 28 59.85 S / 051 59 3.90 W 23 34 24.00 S / 050 41 45.00 W, 24 10 7.00 S / 049 25 52.00 W, 25 6 17.44 S / 049 19 14.57 W, 26 17 11.77 S / 051 2 5.92 W, 26 44 57.91 S / 050 49 47.75 W, 27 22 27.38 S / 049 40 6.95 W, 27 46 19.41 S / 049 44 54.75 W, 29 5 0.00 S / 050 59 18.00 W, 29 18 27.13 S / 051 22 44.88 W, 29 49 1.09 S / 051 31 17.57 W, 29 59 45.60 S / 051 9 54.60 W, 29 16 11.15 S / 049 20 22.21 W, 30 24 27.33 S / 046 50 20.91 W, 34 0 0.00 S / 050 23 50.00 W, 34 0 0.00 S / 053 0 0.00 W, 33 53 0.00 S / 053 23 0.00 W, 30 11 02.71 S / 057 33 31.18 W, 26 35 37.42 S / 053 41 31.70 W, 25 34 24.83 S / 054 33 33.66 W, 24 08 52.20 S / 054 18 37.12 W, 23 58 07.76 S / 055 23 53.19 W, 22 30 10.08 S / 055 40 04.26 W, 22 04 15.21 S / 057 58 11.84 W, 20 10 40.49 S / 058 08 29.54 W, to the point of origin. With the period of application of the concept of DCT Routes defined as H24; and

d. in the Brasília FIR, In upper airspace (above FL250, inclusive), with the period of application of the concept of DCT Routes defined as H24, in the portion of airspace contained in the polygon formed by the coordinates:18 17 38.00S/049 28 23.00W, 19 58 45.00S/050 25 49.00W, 20 25 38.00S/051 21 43.00W, 19 42 16.00S/052 00 41.00W, 17 24 21.00S/054 07 24.00W, 17 22 17.00S/054 00 43.00W, 17 18 02.00S/053 54 49.00W, 17 14 29.00S/053 49 53.00W, 16 54 33.00S/053 22 21.00W, 16 42 33.00S/053 06 03.00W, 16 05 49.00S/053 15 16.00W, 15 48 32.00S/053 19 13.00W, 15 28 30.00S/053 23 51.00W, 16 20 15.00S/049 34 59.00W, 16 31 28.00S/049 40 13.00W, 16 34 29.00S/049 40 49.00W, 16 47 23.00S/049 39 34.00W, 16 54 20.00S/049 35 18.00W, 17 49 34.00S/049 51 38.00W, 15 09 27.00S/053

54 20.00S/049 35 18.00W, 17 49 34.00S/049 51 38.00W, 15 09 27.00S/053 28 39.00W, 14 33 45.00S/053 37 36.00W, 13 59 38.00S/053 34 16.00W, 12 57 36.00S/053 30 04.80W, 12 11 01.00S/053 03 03.60W, 11 32 14.00S/052 16 22.00W, 11 13 18.49S/051 54 03.81W, 11 01 39.00S/051 40 22.00W, 10 30 56.14S/051 05 11.62W, 10 30 28.00S/050 37 52.00W, 10 29 39.00S/049 54 06.60W, 10 13 18.92S/049 02 28.22W, 15 28 30.00S/053 23 51.00W, 16 20 15.00S/049 34 59.00W, 16 10 37.00S/049 27 20.00W, 15 40 17.00S/048 56 08.00W, 15 28 37.00S/048 34 43.00W, 15 12 48.00S/048 19 39.00W, 15 12 20.00S/048 03 45.00W, 15 13 14.00S/047 55 23.00W, 11 09 16.00S/047 18 02.00W, 10 17 25.00S/047 41 16.00W, 10 09 38.00S/047 42 04.00W, 09 54 10.00S/047 48 49.00W, 09 43 26.00S/048 00 18.00W, 09 39 06.00S/048 09 49.00W, 09 37 17.00S/048 22 04.00W, 09 41 08.00S/048 39 10.00W, 09 51 11.00S/048 52 31.00W, 10 02 38.00S/048 59 33.00W, 10 13 18.92S/049 02 28.22W, 10 30 25.57S/050 34 05.40W, 15 59 05.00S/047 17 41.00W, 15 55 06.00S/047 24 39.00W, 15 33 26.00S/047 20 48.00W, 15 20 49.00S/047 35 41.00W, 15 17 44.00S/047 43 32.00W, 15 15 20.00S/047 50 01.00W, 15 13 14.00S/047 55 23.00W, 11 09 16.00S/047 18 02.00W, 12 01 19.00S/046 53 28.00W, 13 19 19.00S/045 36 30.00W, 13 44 53.00S/045 18 34.00W, 13 59 15.00S/045 09 24.00W, 14 11 57.00S/045 01 15.00W, 14 47 05.00S/044 34 38.00W, 15 04 51.00S/044 24 30.00W, 15 21 17.00S/044 15 06.00W, 16 24 58.00S/044 50 55.00W, 17 20 44.00S/045 17 05.00W, 17 07 47.00S/045 29 06.00W, 16 09 26.00S/046 23 28.00W, 16 01 56.00S/047 03 38.00W, 15 59 05.00S/047 17 41.00W, 16 36 11.00S/042 22 19.00W, 16 24 34.00S/042 40 44.00W, 16 22 28.00S/042 49 32.00W, 15 51 06.00S/043 42 59.00W, 15 37 38.00S/044 05 43.00W, 15 21 17.00S/044 15 06.00W, 16 24 58.00S/044 50 55.00W, 17 20 44.00S/045 17 05.00W, 17 51 04.00S/044 48 44.00W, 19 04 07.00S/044 20 35.00W, 19 37 47.00S/044 25 45.00W, 19 50 09.00S/044 00 13.00W, 20 13 13.00S/043 21 34.00W, 20 27 39.00S/042 35 40.00W, 20 00 12.00S/042 31 37.00W, 19 43 12.00S/042 30 05.00W, 19 27 47.00S/042 28 46.00W, 19 04 48.00S/042 29 58.00W, 18 45 29.00S/042 26 53.00W, 18 37 05.00S/042 31 16.00W, 17 54 12.00S/042 06 22.00W, 17 35 12.00S/041 55 24.00W, 17 00 49.00S/041 42 54.00W, 16 50 44.00S/041 59 15.00W, 16 36 11.00S/042 22 19.00W.

Nota: Onde o conceito de Espaço Aéreo DCT não for aplicado será utilizada a rede de rotas ATS fixas, observando-se o Playbook de Rotas estabelecido no Portal AISWEB do DECEA: Playbook de Rotas (https://aisweb.decea.mil.br/?i=espaco-aereo&p=playbook). No caso de impossibilidade de utilização da rede de rotas fixas ou o Playbook de Rotas, poderá ser apresentado o Plano de voo com trecho DCT, o qual será avaliado pelos órgãos AIS e ATC pertinentes.

28 39.00W, 14 33 45.00S/053 37 36.00W, 13 59 38.00S/053 34 16.00W, 12 57 36.00S/053 30 04.80W, 12 11 01.00S/053 03 03.60W, 11 32 14.00S/052 16 22.00W, 11 13 18.49S/051 54 03.81W, 11 01 39.00S/051 40 22.00W, 10 30 56.14S/051 05 11.62W, 10 30 28.00S/050 37 52.00W, 10 29 39.00S/049 54 06.60W, 10 13 18.92S/049 02 28.22W, 15 28 30.00S/053 23 51.00W, 16 20 15.00S/049 34 59.00W, 16 10 37.00S/049 27 20.00W, 15 40 17.00S/048 56 08.00W, 15 28 37.00S/048 34 43.00W, 15 12 48.00S/048 19 39.00W, 15 12 20.00S/048 03 45.00W, 15 13 14.00S/047 55 23.00W, 11 09 16.00S/047 18 02.00W, 10 17 25.00S/047 41 16.00W, 10 09 38.00S/047 42 04.00W, 09 54 10.00S/047 48 49.00W, 09 43 26.00S/048 00 18.00W, 09 39 06.00S/048 09 49.00W, 09 37 17.00S/048 22 04.00W, 09 41 08.00S/048 39 10.00W, 09 51 11.00S/048 52 31.00W, 10 02 38.00S/048 59 33.00W, 10 13 18.92S/049 02 28.22W, 10 30 25.57S/050 34 05.40W, 15 59 05.00S/047 17 41.00W, 15 55 06.00S/047 24 39.00W, 15 33 26.00S/047 20 48.00W, 15 20 49.00S/047 35 41.00W, 15 17 44.00S/047 43 32.00W, 15 15 20.00S/047 50 01.00W, 15 13 14.00S/047 55 23.00W, 11 09 16.00S/047 18 02.00W, 12 01 19.00S/046 53 28.00W, 13 19 19.00S/045 36 30.00W, 13 44 53.00S/045 18 34.00W, 13 59 15.00S/045 09 24.00W, 14 11 57.00S/045 01 15.00W, 14 47 05.00S/044 34 38.00W, 15 04 51.00S/044 24 30.00W, 15 21 17.00S/044 15 06.00W, 16 24 58.00S/044 50 55.00W, 17 20 44.00S/045 17 05.00W, 17 07 47.00S/045 29 06.00W, 16 09 26.00S/046 23 28.00W, 16 01 56.00S/047 03 38.00W, 15 59 05.00S/047 17 41.00W, 16 36 11.00S/042 22 19.00W, 16 24 34.00S/042 40 44.00W, 16 22 28.00S/042 49 32.00W, 15 51 06.00S/043 42 59.00W, 15 37 38.00S/044 05 43.00W, 15 21 17.00S/044 15 06.00W, 16 24 58.00S/044 50 55.00W, 17 20 44.00S/045 17 05.00W, 17 51 04.00S/044 48 44.00W, 19 04 07.00S/044 20 35.00W, 19 37 47.00S/044 25 45.00W, 19 50 09.00S/044 00 13.00W, 20 13 13.00S/043 21 34.00W, 20 27 39.00S/042 35 40.00W, 20 00 12.00S/042 31 37.00W, 19 43 12.00S/042 30 05.00W, 19 27 47.00S/042 28 46.00W, 19 04 48.00S/042 29 58.00W, 18 45 29.00S/042 26 53.00W, 18 37 05.00S/042 31 16.00W, 17 54 12.00S/042 06 22.00W, 17 35 12.00S/041 55 24.00W, 17 00 49.00S/041 42 54.00W, 16 50 44.00S/041 59 15.00W, 16 36 11.00S/042 22 19.00W.

Note: Where DCT airspace concept won´t be used, fixed ATS routes will be aplied, observing the Route Playbook established at the DECEA AISWEB Portal: Routes Playbook (https://aisweb.decea.mil.br/?i=espaco-aereo&p=playbook); When it´s not possible to use the fixed route network or Route Playbook, the flight plan with DCT path can be presented, witch will be evaluated by AIS and ATC facilities involveds.

Nome *Limites laterais* *Limites verticais* *Classificação do espaço aéreo*	*Órgão que proporciona o Serviço*	*Indicativo de chamada* *Idioma* *Área e condições de uso* *Horário de serviço*	*Frequência e Propósito*	*RMK*
Name *Lateral limits* *Vertical limits* *Class of Airspace*	*Unit providing service*	*Call sign* *Languages* *Area and conditions of use* *Hours of service*	*Frequency and Purpose*	*RMK*
1	**2**	**3**	**4**	**5**
GND				
FIR Curitiba Sect 18F 261712S 0510206W - 254152S 0495738W - 260041S 0494613W - 265945S 0502232W - 264458S 0504948W UNL GND	CURITIBA ACC	CENTRO CURITIBA CURITIBA CENTER Português/ Portuguese Inglês/English H24	121.500 MHZ EMERG 124.775 MHZ PRI 135.000 MHZ SRY	
UTA ÁREA DE CONTROLE SUPERIOR Curitiba T-8 N / Curitiba T-8 N UPPER CONTROL AREA 230219S 0453620W - 224704S 0442434W - 222733S 0440325W - 222705S 0434349W - 223351S 0433930W - 230327S 0433046W - 232848S 0452933W - 231835S 0453210W UNL FL245 CLASSE DO ESPAÇO AÉREO:/AIRSPACE CLASS: A	RIO DE JANEIRO APP	Controle Rio Rio Control Português/ Portuguese Inglês/English H24	119.525 MHZ SRY 121.350 MHZ PRI 123.900 MHZ SRY 124.700 MHZ SRY 125.600 MHZ SRY 126.200 MHZ SRY VFR 133.300 MHZ PRI VFR 134.400 MHZ SRY	
UTA ÁREA DE CONTROLE SUPERIOR Curitiba T-8 S / Curitiba T-8 S UPPER CONTROL AREA 232848S 0452933W - 230327S 0433046W - 232256S 0432501W - 233039S 0433843W - 234820S 0445349W - 235438S 0452224W - 234244S 0452542W UNL FL245 CLASSE DO ESPAÇO AÉREO:/AIRSPACE CLASS: A	RIO DE JANEIRO APP	Controle Rio Rio Control Português/ Portuguese Inglês/English H24	119.525 MHZ SRY 121.350 MHZ PRI 123.900 MHZ SRY 124.700 MHZ SRY 125.600 MHZ SRY 126.200 MHZ SRY VFR 133.300 MHZ PRI VFR 134.400 MHZ SRY	
FIR REGIÃO DE INFORMAÇÃO DE VÔO Recife / FLIGHT INFORMATION REGION Recife				FIS INFORMAÇÃO RECIFE SFC/FL145 HR SER DLY 0900-2100

Nome *Limites laterais* *Limites verticais* *Classificação do espaço aéreo*	*Órgão que proporciona o Serviço*	*Indicativo de chamada* *Idioma* *Área e condições de uso* *Horário de serviço*	*Frequência e Propósito*	*RMK*
Name *Lateral limits* *Vertical limits* *Class of Airspace*	*Unit providing service*	*Call sign* *Languages* *Area and conditions of use* *Hours of service*	*Frequency and Purpose*	*RMK*
1	**2**	**3**	**4**	**5**
união/union RECIFE SECT 01 união/union RECIFE SECT 02 união/union RECIFE SECT 03 união/union RECIFE SECT 04 união/union RECIFE SECT 05 união/union RECIFE SECT 06 união/union RECIFE SECT 07 união/union RECIFE SECT 08 união/union RECIFE SECT 09 união/union RECIFE SECT 10 união/union RECIFE SECT 11 união/union RECIFE SECT 12 união/union RECIFE SECT 13 união/union RECIFE SECT 14 união/union RECIFE SECT 15 UNL GND CLASSE DO ESPAÇO AÉREO:/AIRSPACE CLASS: A: Acima do/Above FL245 G: Abaixo do/Below FL145				ACEITA PLN AFIL - SECT 01, 02, 03 FREQ 123.275 MHZ; - SECT 04, 05, 06, 07, 10, 11 FREQ 123.625 MHZ; - SECT 08, 09, 12, 13, 14, 15 FREQ 122.825 MHZ. FIS INFORMATION RECIFE SFC/FL145 HR SER DLY 0900-2100 ACCEPTS PLN AFIL - SECT 01, 02, 03 FREQ 123.275 MHZ; - SECT 04, 05, 06, 07, 10, 11 FREQ 123.625 MHZ; - SECT 08, 09, 12, 13, 14, 15 FREQ 122.825 MHZ.
UTA ÁREA DE CONTROLE SUPERIOR Recife / Recife UPPER CONTROL AREA união/union RECIFE SECT 01 união/union RECIFE SECT 02 união/union RECIFE SECT 03 união/union RECIFE SECT 04 união/union RECIFE SECT 05 união/union RECIFE SECT 06 união/union RECIFE SECT 07 união/union RECIFE SECT 08 união/union RECIFE SECT 09 união/union RECIFE SECT 10 união/union RECIFE SECT 11 união/union RECIFE SECT 12 união/union RECIFE SECT 13 união/union RECIFE SECT 14 união/union RECIFE SECT 15 UNL FL245				

ENR 3.1 ROTAS ATS CONVENCIONAIS

ENR 3.1 CONVENTIONAL NAVIGATION ROUTES

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *MEA* *Classe do Espaço aéreo*	*Limites laterais (NM)* *MOCA*	*Direção do nível de cruzeiro*		*RMK*
				Ímpar	*Par*	
Route designator *Name of significant points* *Coordinates*	*Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *MEA* *Airspace class*	*Lateral limits (NM)* *MOCA*	*Direction of cruising levels*		*RMK*
				Odd	*Even*	
1	2	3	4	5		6
W41						
▲ RECIFE VOR/DME REC 080812S 0345538W						
	052° 232° 48.7 NM	FL245 FL145 150 FL Classe/Class A	10	↓	↑	NIL
▲ ISADO 072604S 0343046W						
	052° 231° 56.0 NM	FL245 FL145 150 FL Classe/Class A	10	↓	↑	NIL
▲ ESGUM 063733S 0340214W						
	051° 231° 84.9 NM	FL245 FL145 150 FL Classe/Class A	10	↓	↑	NIL
▲ UBRUT 052355S 0331908W						
	050° 230° 55.7 NM	FL245 FL145 150 FL Classe/Class A	10	↓	↑	NIL
▲ TOMEK 043536S 0325059W						

Designador de Rota Nome do ponto significativo Coordenadas	***Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior MEA Classe do Espaço aéreo***	***Limites laterais (NM) MOCA***	***Direção do nível de cruzeiro***		***RMK***
				Ímpar	***Par***	
Route designator Name of significant points Coordinates	***Track MAG Rev Track MAG Length***	***Upper limit Lower limit MEA Airspace class***	***Lateral limits (NM) MOCA***	***Direction of cruising levels***		***RMK***
				Odd	***Even***	
1	**2**	**3**	**4**	**5**		**6**
	049° 229° 50.7 NM	FL245 FL145 150 FL Classe/Class A	10	↓	↑	NIL
▲ NORONHA VOR/DME FNR 035124S 0322548W						

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ120							
▲ MACAÉ VOR/DME MCA 222040S 0414608W							
		096° 276° 55.1 NM	FL145 FL015 Classe/ Class C		↑	NIL	NIL
▲ MUGEX 220421S 0404922W							
		096° 276° 15.9 NM	FL145 FL015 Classe/ Class C		↑	NIL	NIL
▲ EGBOB 215935S 0403304W							
		096° 276° 18.0 NM	FL145 FL015 Classe/ Class C		↑	NIL	NIL
▲ SILIS 215409S 0401436W							
		096° 276° 12.1 NM	FL145 FL015 Classe/ Class C		↑	NIL	NIL

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
▲ GESLA 215029S 0400214W							
		096° 276° 5.9 NM	FL145 FL015 Classe/ Class C		↑	NIL	NIL
▲ KONSA 214841S 0395610W							
		096° 276° 20.0 NM	FL145 FL015 Classe/ Class C		↑	NIL	NIL
▲ MINUB 214234S 0393542W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ130							
▲ EGBOB 215935S 0403304W							
		289° 110° 29.0 NM	FL145 FL025 Classe/ Class C		↓	NIL	NIL
▲ RONIP 220143S 0410409W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ151							
▲ EGBOB 215935S 0403304W							
		316° 137° 45.7 NM	FL145 FL025 Classe/ Class C		↓	(5)	NIL
▲ UTKIR 214150S 0411824W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ155							
▲ DODPI 201537S 0400936W							
		082° 262° 33.9 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	USE NÍVEIS DE VOO INVERTIDOS NO TRECHO DODPI/ NUXIG USE INVERTED FLIGHT LEVELS ON THE DODPI/NUXIG SECTION
▲ NUXIG 195727S 0393910W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ157							
▲ DODPI 201537S 0400936W							
		109° 289° 11.3 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	USE NÍVEIS DE VOO INVERTIDOS NO TRECHO DODPI/ LOGES USE INVERTED FLIGHT LEVELS ON THE DODPI/LOGES SECTION
▲ BUXAT 201437S 0395737W							
		109° 289° 21.7 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	NIL
▲ LOGES 201239S 0393439W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ161							
▲ XUXOM 202603S 0401613W							
		106° 286° 6.9 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	USE NÍVEIS DE VOO INVERTIDOS NO TRECHO XUXOM/ NUXIG USE REVERSED FLIGHT LEVELS ON THE XUXOM/NUXIG SECTION
▲ EGDID 202504S 0400855W							
		069° 249° 14.9 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	NIL
▲ BUXAT 201437S 0395737W							
		069° 249° 24.4 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	NIL
▲ NUXIG 195727S 0393910W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ163							
▲ ARVIR 201943S 0401842W							
		184° 004° 6.7 NM	FL095 FL015 Classe/ Class C	↑	↓	(5)	NIL
▲ XUXOM 202603S 0401613W							
		170° 350° 13.9 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	USE NÍVEIS DE VOO INVERTIDOS NO TRECHO XUXOM/ ILNAL USE REVERSED FLIGHT LEVELS ON THE XUXOM/ILNAL SECTION
▲ UMPAP 203738S 0400756W							
		170° 350° 16.6 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	NIL
▲ ILNAL 205128S 0395801W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
KZ171							
▲ EGDID 202504S 0400855W							
		093° 273° 34.5 NM	FL095 FL015 Classe/ Class C	↓	↑	(5)	USE NÍVEIS DE VOO INVERTIDOS NO TRECHO EGDID/ LOGES USE REVERSED FLIGHT LEVELS ON THE EGDID/LOGES SECTION
▲ LOGES 201239S 0393439W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
M653							
▲ KILOL 113050S 0651627W							
		007° 187° 18.3 NM	FL245 FL045 Classe/ Class A	↓	↑	(5)	MAX FL170 NO TRECHO KILOL/ KOVKO MAX F170 ON THE KILOL/KOVKO SECTION
▲ NIGVA 111233S 0651818W							
		007° 187° 6.3 NM	FL245 FL045 Classe/ Class A	↓	↑	(5)	NIL
▲ KOVKO 110618S 0651856W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UL201							
▲ ABIDE 004043N 0694117W							
		149° 330° 240.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	ENTRE ABIDE E BOGIV EM CASO DE IRU: REQUERIDO SAN JOSE DEL GUAVIARE DME/MITU DME BTN ABIDE AND BOGIV IN CASE OF IRU: SAN JOSE DEL GUAVIARE DME/MITU DME REQUIRED
▲ BOGIV 021857S 0670016W							
		147° 327° 28.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GAVIT 023913S 0664002W							
		147° 328° 76.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ BUMBA 033304S 0654611W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		152° 332° 56.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISONA 041604S 0650908W							
		152° 333° 82.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EGLER 051819S 0641519W							
		151° 331° 16.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDSUN 053016S 0640406W							
		151° 331° 46.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PERSA 060420S 0633203W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		347° 167° 45.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ BITUR 245553S 0545529W							
		347° 167° 76.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ DADRI 234937S 0553746W							
		347° 167° 52.9 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ EGELU 230344S 0560640W							
		346° 167° 55.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ARVOP 221601S 0563657W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		347° 167° 135.7 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ESDER 201741S 0574847W							
		347° 167° 45.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ SIDAK 193821S 0581228W							
		348° 168° 294.9 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ LOBON 151551S 0603519W							
		347° 167° 120.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ARMUK 132856S 0613330W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		359° 178° 29.4 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ EGBUX 130040S 0614208W							
		358° 178° 78.6 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ILTEG 114459S 0620506W							
		357° 177° 95.4 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ DUBGI 101342S 0623430W							
		357° 177° 70.8 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ALGUB 090555S 0625608W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		357° 177° 77.6 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ GEGAV 075136S 0631941W							
		357° 177° 96.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ EPGUV 061908S 0634848W							
		357° 177° 51.0 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ EDSUN 053016S 0640406W							
		357° 177° 16.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ BURLA 051449S 0640855W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		357° 177° 49.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ DIGUM 042719S 0642345W							
		357° 176° 66.8 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ TEFÉ VOR/DME TFE 032316S 0644341W							
		356° 176° 151.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ANRAG 005845S 0652959W							
		356° 176° 14.6 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ AKSUX 004447S 0653427W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		356° 175° 20.9 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ EPGAR 002446S 0654051W							
		355° 175° 75.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ AKPEP 004709N 0660351W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UL300							
▲ OSORA 054258S 0725634W							
		176° 356° 121.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DADKI 074247S 0723250W							
		176° 356° 63.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ IRATO 084539S 0721959W							
		176° 356° 12.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LITUP 085809S 0721725W							
		177° 357° 33.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
▲ ILNAM 093119S 0721108W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		036° 216° 23.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MANAUS DVOR/DME MNS 030224S 0600317W							
		022° 202° 39.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISIVA 022300S 0595926W							
		028° 208° 8.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISUNU 021434S 0595742W							
		028° 208° 41.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ITAMI 013413S 0594928W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		028° 208° 48.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KUMOS 004630S 0593944W							
		028° 208° 67.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DARDA 001947N 0592614W							
		028° 208° 15.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KARAZ 003516N 0592306W							
		028° 208° 12.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ELNOV 004759N 0592031W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UL330							
▲ VITÓRIA VOR/DME VRI 201537S 0401706W							
		069° 249° 40.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ANDOD 194645S 0394647W							
		069° 249° 54.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MINIG 190809S 0390555W							
		069° 249° 46.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ POLVO 183522S 0383114W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		069° 249° 52.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	UTILIZAR O TRECHO POLVO/ ASDOK SOMENTE COMO ROTA DE CONTINGÊNCIA DA AORRA USE POLVO/ ASDOK SEGMENT ONLY AS AORRA CONTINGENCY ROUTE
▲ GILRU 175819S 0375242W							
		069° 247° 317.2 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ DESEX 140947S 0340308W							
		067° 244° 340.0 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ EMTUP 100052S 0300526W							
		064° 240° 340.0 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ BILUX 054908S 0261346W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UL417							
▲ ARUXA 032856S 0694742W							
		173° 353° 41.1 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ EPLAG 040828S 0693552W							
		173° 353° 34.3 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ DOLMO 044128S 0692558W							
		174° 354° 116.5 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ PUDBU 063342S 0685250W							
		174° 354° 5.1 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ IREGA 063838S 0685123W							
		174° 354° 61.1 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ ARTIK 073732S 0683359W							
		174° 354° 99.9 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ ESBUK 091347S 0680517W							
		175° 355° 40.1 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ RIO BRANCO DVOR/DME RCO 095234S 0675419W							
		174° 354° 45.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	AUXÍLIOS NECESSÁRIOS ENTRE ISARA E ARUXA EM CASO DE IRU: VOR/DME RIO BRANCO BTN ISARA AND ARUXA IN CASE OF IRU: RIO BRANCO VOR/DME REQUIRED

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ ISARA 103624S 0674036W							

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Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		177° 358° 27.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISORA 131946S 0465803W							
		178° 358° 8.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LONEB 132705S 0465436W							
		178° 358° 50.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OPRIN 141242S 0463305W							
		178° 358° 12.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EVTAL 142408S 0462739W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		178° 358° 13.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VADOP 143623S 0462150W							
		178° 358° 19.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UGTAK 145422S 0461317W							
		178° 358° 59.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDVEK 154852S 0454722W							
		178° 358° 61.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UMSER 164514S 0452018W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		178° 358° 42.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ NITGI 172408S 0450127W							
		175° 355° 32.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ORETI 175250S 0444527W							
		175° 355° 61.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OGRAD 184719S 0441449W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UM403							
▲ SIREM 163301S 0483847W							
		244° 064° 29.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ PAMEO 165440S 0485910W							
		243° 063° 12.6 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ KETUL 170403S 0490755W							
		244° 064° 18.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ SIBUT 171729S 0492046W							
		244° 064° 46.8 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ ILNIM 175159S 0495358W							
		244° 064° 11.0 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ EGONI 180003S 0500147W							
		243° 063° 54.7 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ UGTON 184032S 0504036W							
		243° 063° 13.7 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ TESEK 185044S 0505021W							
		244° 064° 13.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ UBMOR 190038S 0510006W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		243° 062° 15.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ VUMUB 213831S 0534005W							
		242° 062° 75.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ KABEG 223302S 0543629W							
		242° 062° 71.7 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ REBOX 232423S 0553053W							

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Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		346° 166° 53.9 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ISIPI 170750S 0463503W							
		342° 162° 58.4 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ MOLTI 162317S 0471434W							
		337° 157° 45.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ MUDBI 155058S 0474823W							
		337° 157° 30.6 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ SEKPO 152920S 0481052W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		339° 159° 37.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ EROPO 150128S 0483727W							
		339° 159° 80.3 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UGUGA 140147S 0493304W							
		340° 160° 66.6 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ DAMIB 131122S 0501757W							
		340° 160° 77.7 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UGRIT 121219S 0510959W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		340° 160° 72.7 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UDOMA 111655S 0515819W							
		341° 160° 107.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UKAGA 095426S 0530755W							
		337° 157° 29.6 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ USAGU 093234S 0532815W							
		337° 157° 173.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ NEMEL 072422S 0552613W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		337° 157° 10.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ MOPRA 071657S 0553259W							
		338° 158° 120.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ESMAR 054452S 0565204W							
		337° 156° 158.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ MAMGI 034514S 0583716W							
		336° 156° 37.3 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ SIGEP 031701S 0590150W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		336° 156° 17.1 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ KUBID 030404S 0591304W							
		336° 156° 9.6 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ MALPU 025649S 0591920W							
		336° 156° 22.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UTNAV 023935S 0593423W							
		337° 157° 7.6 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ TEPEM 023343S 0593919W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		333° 153° 26.5 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ISUNU 021434S 0595742W							
		333° 153° 17.6 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ILSUB 020149S 0600954W							
		333° 152° 55.2 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ KIGER 012147S 0604806W							
		331° 150° 216.7 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ BIVUT 011210N 0632110W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		337° 157° 59.1 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ VUMPI 015924N 0635654W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UM415							
▲ UKDAN 235859S 0461548W							
		314° 134° 20.9 NM	UNL FL245 Classe/ Class A		↓	(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO UKDAN/ SIDAK USE ONLY EVEN FLIGHT LEVELS IN SEGMENT UKDAN/ SIDAK
▲ EGOKI 235055S 0463649W							
		314° 134° 3.9 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ TEPAB 234924S 0464045W							
		318° 138° 12.7 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ UKATU 234348S 0465311W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		318° 138° 11.0 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ MUBKI 233856S 0470357W							
		318° 138° 19.2 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ SOROCABA VOR/DME SCB 233025S 0472242W							
		310° 130° 11.3 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ EGIGI 232650S 0473424W							
		310° 130° 30.4 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ ASETA 231708S 0480544W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UM527							
▲ SIGOB 082816S 0732018W							
		053° 234° 65.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DADKI 074247S 0723250W							
		054° 234° 45.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	EM CASO DE IRU, SÃO NECESSÁRIOS AUXÍLIOS ENTRE DADKI E DOBDA: DME SÃO GABRIEL/DME TEFÉ BTN DADKI AND DOBDA IN CASE OF IRU: SÃO GABRIEL DME/TEFÉ DME REQUIRED
▲ DALIV 071107S 0715956W							
		054° 235° 48.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ IVPON 063725S 0712504W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		055° 235° 20.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KUDUR 062304S 0711016W							
		055° 235° 30.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LOBAL 060131S 0704803W							
		055° 236° 93.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VUKEB 045549S 0694038W							
		056° 236° 20.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DOLMO 044128S 0692558W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		056° 237° 58.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ AKTOR 040034S 0684413W							
		057° 238° 108.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OBDAR 024437S 0672702W							
		057° 238° 20.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MULIP 022953S 0671210W	GBR VOR 185.2° 140.8 NM 91.85 M GBR VOR 185.2° 140.8 NM 91.85 M GBR VOR 198° 140.8 NM 91.85 M GBR VOR 198° 140.8 NM 91.85 M						
		060° 240° 16.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ BOGIV 021857S 0670016W							
		061° 241° 24.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ROLUT 020257S 0664211W							
		061° 241° 13.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GEDOV 015419S 0663226W							
		061° 242° 83.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ANRAG 005845S 0652959W							
		062° 242° 12.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ AKNOV 005033S 0652047W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		059° 240° 19.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDSEX 030819N 0612925W							
		060° 240° 43.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DIVRA 033938N 0605918W							
		061° 241° 5.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILTAL 034322N 0605536W							
		061° 241° 12.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILNER 035216N 0604646W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		060° 241° 55.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DOBDA 043218N 0600748W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		343° 163° 115.7 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ DOKBU 053712S 0604333W							
		343° 163° 60.1 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ EGBEM 044640S 0611632W							
		343° 163° 32.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ EKOXU 041941S 0613403W							
		343° 163° 25.9 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ESBUV 035753S 0614811W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		343° 163° 19.7 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ GEDIT 034119S 0615853W							
		343° 162° 34.1 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ EPKIR 031233S 0621725W							
		342° 162° 104.7 NM	UNL FL255 Classe/ Class A		↓	(5)	ENTRE ANKUK E BUVKA REQUERIDO: GNSS BTN ANKUK AND BUVKA GNSS REQUIRED
▲ ILNUK 014405S 0631404W							
		341° 160° 130.3 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ DIMUK 000445N 0642621W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UM776							
▲ POSKA 050623S 0724843W							
		167° 347° 133.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DALIV 071107S 0715956W							
		167° 347° 87.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MUNEB 083243S 0712753W							
		167° 347° 32.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ BOBAS 090249S 0711610W							
		167° 347° 48.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ ASOLA 094742S 0705823W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UM791							
▲ ARNAM 044400N 0493803W							
		150° 331° 242.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SIKUD 020301N 0463639W							
		151° 331° 98.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ NIMRI 005723N 0452249W							
		151° 331° 23.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PORMU 004134N 0450503W							
		151° 332° 120.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ PULOB 003819S 0433517W							
		152° 332° 64.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ POSPI 012131S 0424644W							
		152° 332° 73.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PUDLA 021028S 0415120W							
		152° 332° 29.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ NISNO 023024S 0412902W							
		152° 332° 55.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DIKUS 030725S 0404734W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UN741							
▲ NANIK 062030N 0331020W							
		224° 045° 124.8 NM	UNL FL255 Classe/ Class A		↓	(10)	ENTRE NANIK/UMRUD REQUERIDO GNSS OU IRU RNAV 10 ENTRE NANIK/JOBER BTN NANIK/UMRUD GNSS OR IRU REQUIRED RNAV 10 BTN NANIK/JOBER
▲ DIKEB 042952N 0340917W							
		225° 045° 65.7 NM	UNL FL255 Classe/ Class A		↓	(10)	NIL
▲ PUNOM 033145N 0344023W							
		225° 046° 56.2 NM	UNL FL255 Classe/ Class A		↓	(10)	NIL
▲ CARVE 024158N 0350658W							

Designador de Rota *Nome do ponto significativo* *Coordenadas* ***Route designator*** ***Name of significant points*** ***Coordinates***	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME* ***Waypoint Formation (Angle and Distance Indication)*** ***DME antenna ELEV***	*Referência Rumo MAG Contra Rumo MAG DIST* ***Reference Track MAG Rev Track MAG Length***	*Limite Superior Limite Inferior Classe do Espaço aéreo* ***Upper limit Lower limit Airspace class***	*Direção do nível de cruzeiro* ***Direction of cruising levels***		*Tipo de RNP* ***RNP Type***	*RMK* ***RMK***
				Ímpar ***Odd***	*Par* ***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		226° 048° 246.7 NM	UNL FL255 Classe/ Class A		↓	(10)	NIL
▲ JOBER 005647S 0370253W							
		223° 044° 140.8 NM	UNL FL255 Classe/ Class A		↓	(10)	NIL
▲ DEVUN 030633S 0375902W							
		225° 046° 28.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ROLID 033203S 0381051W							
		225° 045° 24.1 NM	UNL FL255 Classe/ Class A		↓	(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO ROLID/ UMRUD USER ONLY EVEN FLIGHT LEVELS IN SEGMENT ROLID/ UMRUD
▲ LOLET 035412S 0382040W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		050° 230° 80.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MEDIT 110741S 0361411W							
		053° 232° 52.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SIDOP 102230S 0354746W							
		052° 232° 90.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MUDSI 090321S 0350150W							
		044° 224° 59.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KIBEG 080742S 0343842W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		050° 230° 25.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ AMBET 074534S 0342644W							
		049° 227° 212.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	AUXÍLIOS NECESSÁRIOS BTN AMBET E ERETU EM CASO DE IRU: DME NATAL/DME FERNANDO BTN AMBET AND ERETU IN CASE OF IRU: NATAL DME/ FERNANDO DME REQUIRED
▲ EDVUP 043605S 0324848W							
		047° 226° 50.1 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ NORONHA VOR/DME FNR 035124S 0322548W							
		047° 227° 39.5 NM	UNL FL285 Classe/ Class A	↓	↑	(10)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		121° 302° 59.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EKUPO 053034S 0472712W							
		121° 302° 66.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OGDUP 054228S 0462143W							
		122° 302° 72.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDPUS 055523S 0450944W							
		122° 302° 46.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MUGOM 060333S 0442403W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		122° 302° 12.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TELEG 060540S 0441205W							
		122° 301° 49.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PAMUB 061413S 0432309W							
		122° 302° 43.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILSOL 062151S 0424000W							
		121° 301° 88.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILBEM 063654S 0411158W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ12							
▲ MANAUS DVOR/DME MNS 030224S 0600317W							
		109° 289° 26.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	AUXÍLIOS NECESSÁRIOS BTN MANAUS E FORTALEZA EM CASO DE IRU: DME TUCURUÍ/DME MARABÁ BTN MANAUS AND FORTALEZA IN CASE OF IRU: TUCURUÍ DME MARABÁ DME REQUIRED
▲ TOPOV 030316S 0593700W							
		108° 289° 5.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PABAK 030326S 0593144W							
		109° 289° 8.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ KOGRO 030342S 0592325W							
		109° 289° 10.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KUBID 030404S 0591304W							
		109° 289° 4.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DOTNI 030412S 0590833W							
		109° 289° 46.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ERVEL 030543S 0582144W							
		110° 290° 48.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GEKUB 030801S 0573322W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		110° 291° 101.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ IVTIM 031222S 0555203W							
		111° 291° 52.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ATIDO 031430S 0545935W							
		111° 291° 53.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TORAX 031646S 0540542W							
		111° 292° 45.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ NIRNA 031833S 0532025W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		112° 292° 26.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SIKUP 031935S 0525338W							
		112° 292° 19.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SUBLU 032019S 0523436W							
		112° 292° 46.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PUDVO 032210S 0514837W							
		112° 292° 134.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TODUN 032705S 0493405W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		113° 293° 35.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VAKOK 033901S 0433808W							
		113° 293° 76.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VULBU 034110S 0422205W							
		111° 291° 17.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MUGDI 034117S 0420503W							
		113° 293° 57.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VURUP 034256S 0410800W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		112° 292° 34.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UTGOT 034345S 0403351W							
		112° 292° 27.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ESDAB 034423S 0400554W							
		122° 302° 25.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OSITI 034914S 0394039W							
		121° 301° 36.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	AUXÍLIOS NECESSÁRIOS BTN FORTALEZA E MANAUS EM CASO DE RU: DME TUCURUÍ/ DME MARABÁ BTN FORTALEZA AND MANAUS IN CASE OF IRU: TUCURUÍ DME / MARABÁ DME REQUIRED
▲ OPSAK 035559S 0390427W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ121							
▲ OGRUN 320343S 0535034W							
		048° 229° 97.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TOKAK 304144S 0524839W							
		049° 229° 14.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MATGU 302950S 0523950W							
		049° 229° 22.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VURAG 301054S 0522553W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		051° 231° 65.0 NM	UNL FL245 Classe/ Class A	↓		(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO VURAG/ BUXUK USE ONLY ODD FLIGHT LEVELS IN SEGMENT VURAG/ BUXUK
▲ NIGBI 291641S 0514426W							
		051° 231° 14.2 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ SILUV 290450S 0513530W							
		051° 232° 74.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ PENSO 280247S 0504919W							
		055° 235° 43.8 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ UGTUL 272714S 0502013W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ14							
▲ VUMEV 225313S 0455838W							
		057° 237° 61.7 NM	UNL FL245 Classe/ Class A	↓		(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO VUMEV/ AKPAS USE ONLY ODD FLIGHT LEVELS IN SEGMENT VUMEV/ AKPAS
▲ UBNOV 220225S 0452036W							
		061° 241° 51.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ UMLAM 212204S 0444642W							
		061° 241° 10.9 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ AROVA 211325S 0443929W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		061° 241° 18.6 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ AKNEM 205844S 0442716W							
		061° 241° 25.8 NM	UNL FL285 Classe/ Class A	↓		(5)	NIL
▲ KALOP 203819S 0441023W							
		061° 241° 9.9 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ NITLU 203033S 0440350W							
		061° 241° 46.5 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ ISKAG 195335S 0433342W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ16							
▲ NITLU 203033S 0440350W							
		085° 265° 49.3 NM	UNL FL245 Classe/ Class A	↓		(5)	USAR NÍVEIS DE VOO ACIMA DO FL290 NO SEGMENTO NITLU/ EVPAD USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO NITLU/ GETPO USE FLIGHT LEVELS ABOVE FL290 IN THE SEGMENT NITLU/ EVPAD USE ONLY ODD FLIGHT LEVELS IN SEGMENT NITLU/ GETPO
▲ PORSA 200639S 0431749W							
		086° 266° 20.2 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ EVPAD 195728S 0425843W							
		073° 253° 23.4 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ OSIPA 194212S 0423953W							
		073° 253° 13.2 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ NIMBI 193333S 0422917W							
		073° 253° 26.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ PANAS 191628S 0420823W							
		073° 253° 11.7 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ RELAB 190846S 0415900W							
		073° 253° 8.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ RODUS 190325S 0415231W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ2							
▲ ENTIT 222503S 0463929W							
		014° 194° 98.7 NM	UNL FL245 Classe/ Class A		↑	(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO ISOPI/ ENTIT USE ONLY ODD FLIGHT LEVELS IN SEGMENT ISOPI/ ENTIT
▲ DEVIR 204701S 0465456W							
		014° 194° 98.2 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ ISRIK 190919S 0470855W							
		013° 193° 24.3 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ OPROM 184514S 0471246W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		013° 194° 76.4 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ GEBEP 172922S 0472445W							
		014° 194° 50.1 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ ISOPI 163934S 0473232W							
		019° 199° 13.4 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ MULUV 162611S 0473320W							
		019° 199° 106.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PULUV 143902S 0473926W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		038° 218° 69.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UTNUX 133159S 0471945W							
		036° 216° 38.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KOLBA 125420S 0470958W							
		036° 216° 60.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KADAG 115548S 0465451W							
		039° 219° 109.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ETANU 101033S 0462141W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		038° 218° 66.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ IRUTU 090635S 0460324W							
		038° 218° 60.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ENRUS 080837S 0454649W							
		037° 217° 119.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISURI 061244S 0451434W							
		037° 217° 17.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDPUS 055523S 0450944W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		037° 217° 101.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KOMLA 041728S 0444205W							
		035° 215° 23.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UCROK 035447S 0443622W							
		037° 217° 18.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GENVO 033709S 0443128W							
		037° 216° 18.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISKAB 031900S 0442627W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		036° 216° 45.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SÃO LUIS DVOR/DME SLI 023521S 0441424W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ20							
▲ SÃO LUIS DVOR/DME SLI 023521S 0441424W							
		171° 351° 19.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILSUD 025204S 0440454W							
		171° 351° 20.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ELIET 031014S 0435431W							
		171° 351° 33.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ VAKOK 033901S 0433808W							
		171° 351° 27.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ ESTEP 040232S 0432440W							
		171° 351° 30.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PAPEL 042907S 0430928W							
		171° 351° 39.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TERESINA DVOR/DME TNA 050345S 0424930W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ21							
▲ ILTON 065712S 0352336W							
		208° 028° 41.2 NM	UNL FL255 Classe/ Class A		↓	(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO SIKEL/ VUNOX USE ONLY EVEN FLIGHT LEVELS IN SEGMENT SIKEL/ VUNOX
▲ IREKI 073820S 0352832W							
		225° 045° 78.9 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ERIXI 085114S 0355950W							
		237° 057° 13.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UDOSA 090238S 0360751W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		237° 057° 46.5 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ IMBIV 094053S 0363456W							
		237° 058° 17.2 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ OBLAX 095458S 0364459W							
		238° 058° 113.5 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ASGIK 112754S 0375149W							
		238° 059° 93.3 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ USIPA 124356S 0384728W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		239° 059° 50.1 NM	UNL FL245 Classe/ Class A		↓	(5)	NIL
▲ CONFINS VOR/DME CNF 193330S 0440255W							
		239° 059° 10.5 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UGSEV 194202S 0440928W							
		239° 059° 32.3 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ REDAD 200812S 0442945W							
		239° 059° 26.2 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ PUDVA 202923S 0444615W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		239° 059° 18.9 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ MAVBO 204439S 0445812W							
		239° 059° 11.1 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ EGEPO 205336S 0450514W							
		239° 059° 45.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ISRAB 212952S 0453355W							
		239° 059° 49.4 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ GEVGA 220946S 0460523W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		239° 059° 11.5 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ VUNOX 221904S 0461248W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ22							
▲ PIRAI VOR/DME PAI 222715S 0435026W							
		054° 234° 18.2 NM	UNL FL245 Classe/ Class A	↓		(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO VOR PIRAI/UMKIT USE ONLY FLIGHT LEVELS IN SEGMENT PIRAI VOR/UMKIT
▲ UDUNA 221140S 0434012W							
		054° 234° 26.5 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ EDNAM 214859S 0432522W							
		053° 233° 36.9 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ DAKDA 211652S 0430537W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		015° 195° 28.5 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ UMKIT 204836S 0431013W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		060° 240° 17.5 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ OGSOO 195122S 0435028W							
		058° 238° 39.5 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ ILPIR 191838S 0432649W							
		060° 240° 39.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ EGBIG 184717S 0430159W							
		060° 240° 18.2 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ ORUGI 183240S 0425027W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		060° 240° 80.6 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ DORDU 172752S 0415953W							
		060° 240° 57.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ UTLON 164148S 0412421W							
		060° 240° 105.3 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ EDVIR 151659S 0401905W							
		060° 240° 71.9 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ EDNOB 141854S 0393503W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ24							
▲ POVLA 041037N 0622613W							
		153° 333° 84.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDSEX 030819N 0612925W							
		153° 334° 77.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ANBIX 021107N 0603723W	BVI VOR 190.522° 40.0 NM 71.33 M						
		153° 333° 50.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILVIS 013359N 0600302W							
		153° 334° 34.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ ISTOK 010820N 0593920W							
		154° 334° 27.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ELNOV 004759N 0592031W							
		150° 330° 70.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDPID 000024S 0582913W							
		150° 331° 57.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LODOK 003958S 0574717W							
		159° 340° 147.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OPLIP 023556S 0561600W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		207° 027° 75.2 NM	UNL FL245 Classe/ Class A	↑		(5)	NIL
▲ GUTIL 164432S 0481756W							
		197° 016° 63.1 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ PABIN 174736S 0481144W							
		196° 016° 25.1 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ VALAP 181238S 0480910W							
		196° 016° 41.8 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ CORVO 185421S 0480450W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		194° 014° 23.9 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ OGVOT 191806S 0480130W							
		194° 014° 28.0 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ UBERABA NDB URB 194556S 0475733W							
		195° 015° 36.1 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ SIDOV 202152S 0475254W							
		194° 014° 46.9 NM	UNL FL255 Classe/ Class A	↑		(5)	NIL
▲ RIBEIRÃO NDB RPR 210834S 0474634W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		013° 193° 170.3 NM	UNL FL255 Classe/ Class A	↓		(5)	NIL
▲ SEKPO 152920S 0481052W							
		020° 200° 33.8 NM	UNL FL255 Classe/ Class A	↓		(5)	NIL
▲ ILKUS 145523S 0481156W							
		020° 200° 148.4 NM	UNL FL255 Classe/ Class A	↓	↑	(5)	NIL
▲ PADIL 122625S 0481603W							
		020° 200° 44.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ IRISO 114122S 0481717W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		020° 200° 23.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LIBEC 111727S 0481756W							
		018° 198° 19.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EGDOD 105734S 0481914W							
		018° 198° 37.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ IBGAM 102006S 0482121W							
		018° 198° 2.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PALMAS VOR/DME PMS 101717S 0482131W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		189° 009° 45.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ OGRAD 184719S 0441449W							
		189° 009° 47.4 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ CONFINS VOR/DME CNF 193330S 0440255W							
		194° 014° 16.8 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ BELO HORIZONTE VOR/DME BHZ 195009S 0440013W							
		208° 028° 15.3 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ UTLEV 200530S 0440135W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		208° 028° 25.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ NITLU 203033S 0440350W							
		208° 028° 10.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ BUTOD 204100S 0440447W							
		208° 028° 5.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ DEJAN 204611S 0440515W							
		208° 028° 41.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ MAVGU 212720S 0440859W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ32							
▲ SAVPU 162744S 0463607W							
		144° 324° 68.7 NM	UNL FL245 Classe/ Class A	↓		(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO SAVPU/ VOR VRI USE ONLY ODD FLIGHT LEVELS IN SEGMENT SAVPU/ VRI VOR
▲ ILRIL 170409S 0453515W							
		144° 324° 38.0 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ NITGI 172408S 0450127W							
		141° 321° 31.6 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ DOSMA 173920S 0443224W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		141° 321° 56.6 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ PABES 180621S 0434012W							
		142° 322° 35.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ OPTEB 182315S 0430750W							
		143° 323° 19.0 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ ORUGI 183240S 0425027W							
		143° 323° 16.7 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ ARUDI 184059S 0423510W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ34							
▲ VITÓRIA VOR/DME VRI 201537S 0401706W							
		323° 143° 22.1 NM	UNL FL255 Classe/ Class A		↓	(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO VOR VRI/ NIPDA USE ONLY EVEN FLIGHT LEVELS IN SEGMENT VRI VOR/ NIPDA
▲ ENPUS 200442S 0403730W							
		323° 143° 18.5 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ EKAXU 195529S 0405437W							
		323° 143° 8.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ OPLOX 195138S 0410200W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		299° 119° 11.8 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ ILNUD 195030S 0411424W							
		299° 119° 16.4 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ TEDOL 194854S 0413140W							
		299° 119° 34.0 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ OPLEV 194529S 0420734W							
		300° 120° 21.4 NM	UNL FL255 Classe/ Class A		↓	(5)	NIL
▲ UTLUS 194312S 0423007W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		045° 226° 34.8 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ UKATU 234348S 0465311W							
		046° 226° 11.9 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ SOSGO 233252S 0464756W							
		046° 226° 16.9 NM	UNL FL245 Classe/ Class A		↑	(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO VUNOX/ SOSGO USE ONLY EVEN FLIGHT LEVELS IN SEGMENT VUNOX/ SOSGO
▲ REKOG 231724S 0464030W							
		046° 226° 63.5 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ VUNOX 221904S 0461248W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		035° 216° 50.6 NM	UNL FL245 Classe/ Class A		↑	(5)	USAR SOMENTE NÍVEIS DE VOOS ÍMPARES NO SEGMENTO UBKOS/ VUNOX USE ONLY ODD FLIGHT LEVELS IN SEGMENT UBKOS/ VUNOX
▲ EVPOM 212939S 0460021W							
		036° 216° 38.0 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ VIANA 205229S 0455105W							
		001° 181° 10.0 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ ROBAG 204307S 0455457W							
		001° 181° 62.4 NM	UNL FL245 Classe/ Class A		↑	(5)	NIL
▲ NISNI 194439S 0461851W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		195° 015° 69.7 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ PABES 180621S 0434012W							
		193° 013° 23.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ UGPUD 182913S 0433600W							
		193° 013° 23.9 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ DUBRO 185253S 0433137W							
		193° 013° 26.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ILPIR 191838S 0432649W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		193° 013° 21.8 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	AUXÍLIOS NECESSÁRIOS BTN SÃO LUÍS E CONFINS EM CASO DE IRU: DME BARREIRAS/DME LAPA BTN CONFINS AND SÃO LUÍS IN CASE OF IRU: BARREIRAS DME/ LAPA DME REQUIRED
▲ ANBOM 194010S 0432248W							
		193° 013° 15.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ASBIT 195511S 0431959W							
		193° 013° 11.6 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ PORSA 200639S 0431749W							
		194° 014° 5.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ IBDOT 201204S 0431651W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		160° 340° 63.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	EM CASO DE IRU, SÃO NECESSÁRIOS AUXÍLIOS ENTRE OTONI E KOKBI: DME CAYENNE/DME ZANDERIJ. BTN OTONI/KOKBI IN CASE OF IRU: CAYENNE DME / ZANDERIJ DME
▲ FUNDA 033126S 0472552W							
		157° 338° 30.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GUTUL 035204S 0470630W							
		158° 338° 64.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ILNES 043916S 0462206W							
		158° 338° 40.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KOGNI 050835S 0455420W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		158° 338° 64.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDPUS 055523S 0450944W							
		158° 338° 31.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KOKBO 061816S 0444748W							
		160° 340° 54.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GERGU 065858S 0441132W							
		160° 340° 25.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KIDUT 071814S 0435419W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		048° 228° 110.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ANLAK 075216S 0441057W							
		048° 228° 37.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ KIDUT 071814S 0435419W							
		048° 228° 70.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PAMUB 061413S 0432309W							
		048° 228° 37.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ GUEST 054023S 0430628W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		046° 226° 40.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TERESINA DVOR/DME TNA 050345S 0424930W							
		048° 228° 39.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	REQUERIDO GNSS ENTRE TERESINA E EGBIR BTN TERESINA AND EGBIR GNSS REQUIRED
▲ VURSU 042809S 0423122W							
		051° 230° 53.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ MUGDI 034117S 0420503W							
		049° 229° 39.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SUBVI 030623S 0414626W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ52							
▲ DIKAL 092414S 0632126W							
		153° 334° 124.8 NM	UNL FL245 Classe/ Class A	↓		(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO DIKAL/ PUMRO USE ONLY ODD FLIGHT LEVELS IN SEGMENT DIKAL/ PUMRO
▲ LODIL 105816S 0615740W							
		153° 334° 42.8 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ IVRUM 113025S 0612845W							
		154° 334° 52.6 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ NETBU 120952S 0605303W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		154° 334° 167.1 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ OREGI 141437S 0585828W							
		154° 334° 11.9 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ ABATE 142328S 0585014W							
		154° 334° 39.4 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ VANES 145225S 0582234W							
		154° 334° 53.2 NM	UNL FL245 Classe/ Class A	↓		(5)	NIL
▲ GENAP 153127S 0574500W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ54							
▲ BELEM DVOR/DME BEL 012304S 0482843W							
		049° 229° 40.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LUTPA 004748S 0480932W							
		049° 228° 138.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LIXON 011407N 0470315W							
		049° 228° 55.5 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ SIKUD 020301N 0463639W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		048° 228° 113.3 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ MOPNO 034251N 0454213W							
		048° 228° 87.6 NM	UNL FL245 Classe/ Class A	↓	↑	(10)	NIL
▲ SAPGO 050000N 0450000W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ63							
▲ VULAK 153922S 0560643W							
		182° 002° 40.0 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NÍVEIS DE VOO INVERTIDOS NO TRECHO VULAK/VOR GRD INVERTED FLIGHT LEVELS IN SEGMENT VULAK/VOR GRD
▲ ILMUP 161801S 0555525W							
		182° 002° 13.9 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ANGAS 163125S 0555129W							
		182° 002° 70.0 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ TOSAR 173902S 0553128W							
		182° 002° 12.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ PAPAN 175052S 0552758W							
		182° 002° 92.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ KOXAL 192008S 0550112W							
		183° 003° 51.6 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ETEGI 201003S 0544630W							
		184° 004° 19.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NÍVEIS DE VOO INVERTIDOS NO TRECHO VOR GRD/ VULAK INVERTED FLIGHT LEVELS IN SEGMENT VOR GRD/VULAK
▲ CAMPO GRANDE VOR/DME GRD 202901S 0544120W							
		148° 328° 40.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ72							
▲ ILPIR 191838S 0432649W							
		042° 222° 28.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UDIDU 185154S 0431728W							
		042° 222° 11.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ANSEM 184100S 0431340W							
		041° 221° 18.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ OPTEB 182315S 0430750W							
		044° 224° 58.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ VUKUB 172836S 0424627W							
		044° 224° 53.4 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EKUMU 163820S 0422700W							
		044° 224° 4.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DOSVU 163414S 0422525W							
		044° 224° 26.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ EDNES 160927S 0421554W							
		054° 234° 169.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LODOT 134340S 0404616W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		305° 125° 43.5 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ KOGLA 115520S 0613455W							
		304° 124° 31.3 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ ILTEG 114459S 0620506W							
		304° 124° 52.3 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ KUGOL 112734S 0625525W							
		304° 123° 61.8 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ KOGLU 110646S 0635443W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		303° 123° 94.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	NIL
▲ BUVKI 103435S 0652446W							
		299° 118° 91.2 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	ATC PRESTADO PELO ACC AMAZÔNICO NO TRECHO BUVKI/ DADED ATC PROVIDED BY AMAZÔNICO ACC ON BUVKI/DADED SEGMENT
▲ DADED 100858S 0665335W							
		297° 116° 62.1 NM	UNL FL245 Classe/ Class A	↑	↓	(5)	EM CASO DE IRU SÃO NECESSÁRIOS AUXÍLIOS ENTRE RIO BRANCO E BRASÍLIA: DME GARÇAS/ DME CUIABÁ
▲ RIO BRANCO DVOR/DME RCO 095234S 0675419W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
UZ98							
▲ BUVKI 103435S 0652446W							
		116° 297° 146.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ LOLON 110751S 0625936W							
		117° 298° 46.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ BELIC 111805S 0621348W							
		118° 298° 12.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ CLUBE 112052S 0620116W							
		118° 298° 30.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ DAGAT 112726S 0613126W							
		118° 298° 14.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ AKNIK 113029S 0611732W							
		117° 297° 81.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ETETO 114624S 0595601W							
		117° 298° 48.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ SEDGA 115541S 0590727W							
		119° 300° 60.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ASBIV 120834S 0580656W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		120° 300° 31.0 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ BITOV 121503S 0573558W							
		120° 300° 47.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ISLIB 122453S 0564828W							
		120° 300° 34.7 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DADEL 123159S 0561347W							
		120° 301° 98.8 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PUKVO 125209S 0543450W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		121° 301° 26.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ TEGAD 125727S 0540815W							
		121° 301° 37.5 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UBGOM 130453S 0533034W							
		121° 301° 61.3 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ UMPEG 131650S 0522853W							
		121° 301° 26.2 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ BUPTU 132139S 0520230W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		123° 303° 47.1 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ DIBUX 133206S 0511520W							
		145° 326° 122.6 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ ELISA 144135S 0493107W							
		146° 326° 40.9 NM	UNL FL245 Classe/ Class A	↓	↑	(5)	NIL
▲ PABUM 150435S 0485611W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
Z3							
▲ EKAXU 195529S 0405437W							
		323° 143° 8.0 NM	FL245 FL155 Classe/ Class A		↓	(5)	REQUERIDO GNSS OU IRU SÓ FL PARES TRECHO EKAXU/ MOLTI GNSS OR IRU REQUIRED ONLY EVEN FL ON EKAXU/ MOLTI SEGMENT
▲ OPLOX 195138S 0410200W							
		323° 143° 91.7 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ PULKU 190618S 0422626W							
		322° 142° 30.1 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ OPLUT 185138S 0425413W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		324° 144° 8.5 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ EGBIG 184717S 0430159W							
		323° 143° 7.2 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ MOSTI 184340S 0430836W							
		322° 142° 26.4 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ OBGAR 183049S 0433252W							
		322° 142° 25.9 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ PUGVA 181826S 0435649W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		322° 142° 7.6 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ EDNUK 181447S 0440352W							
		321° 142° 24.0 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ RORIP 180317S 0442602W							
		322° 142° 21.2 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ ORETI 175250S 0444527W							
		321° 141° 26.8 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ IROBI 174002S 0451013W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		325° 145° 40.9 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ VARIT 171822S 0454633W							
		325° 145° 53.8 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ OPGOL 164940S 0463406W							
		326° 146° 46.9 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ MOLTI 162317S 0471434W							
		326° 146° 54.6 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ GELVA 155219S 0480119W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
Z32							
▲ SIDUR 224516S 0441305W							
		072° 252° 27.6 NM	FL245 FL195 Classe/ Class A		↑	(5)	NIL
▲ PIRAI VOR/DME PAI 222715S 0435026W							
		351° 171° 37.2 NM	FL245 FL195 Classe/ Class A	↑		(5)	NIL
▲ TOKIM 215528S 0441134W							
		028° 208° 28.1 NM	FL245 FL145 Classe/ Class A		↑	(5)	NIL
▲ MAVGU 212720S 0440859W							
		028° 208° 12.5 NM	FL245 FL145 Classe/ Class A		↑	(5)	NIL

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
▲ PAKIB 211447S 0440751W							
		028° 208° 28.6 NM	FL245 FL145 Classe/ Class A		↑	(5)	NIL
▲ DEJAN 204611S 0440515W							
		028° 208° 15.6 NM	FL245 FL145 Classe/ Class A		↑	(5)	NIL
▲ NITLU 203033S 0440350W							
		028° 208° 40.4 NM	FL245 FL145 Classe/ Class A		↑	(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO VOR BHZ /VOR PAI USE ONLY ODD FLIGHT LEVELS IN SEGMENT BHZ VOR/ PAI VOR
▲ BELO HORIZONTE VOR/DME BHZ 195009S 0440013W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
Z36							
▲ UDIRA 225802S 0425327W							
		030° 210° 15.2 NM	FL245 FL155 Classe/ Class A	↓		(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO UDIRA/ VOR CNF USE ONLY EVEN FLIGHT LEVELS IN SEGMENT UDIRA/VOR CNF
▲ PORTO VOR/DME PCX 224255S 0425127W							
		014° 194° 33.7 NM	FL245 FL155 Classe/ Class A	↓		(5)	NIL
▲ ISRIN 220932S 0425659W							
		014° 194° 24.6 NM	FL245 FL155 Classe/ Class A	↓		(5)	NIL
▲ EPKAX 214508S 0430100W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		014° 195° 28.5 NM	FL245 FL155 Classe/ Class A	↓		(5)	NIL
▲ DAKDA 211652S 0430537W							
		015° 195° 28.5 NM	FL245 FL155 Classe/ Class A	↓		(5)	NIL
▲ UMKIT 204836S 0431013W							
		350° 170° 31.7 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ UBKEB 202206S 0432856W							
		350° 170° 7.4 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ EVMET 201553S 0433318W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		350° 170° 50.6 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ CONFINS VOR/DME CNF 193330S 0440255W							
		027° 207° 35.6 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ PENTE 185753S 0440001W							
		027° 207° 39.4 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ PUGVA 181826S 0435649W							
		027° 207° 69.1 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ LOKEX 170914S 0435117W							

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		028° 208° 12.1 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ ASUPU 165705S 0435019W							
		029° 209° 66.1 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ RETOL 155106S 0434259W							
		030° 210° 55.7 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ OPRAS 145530S 0433619W							
		030° 210° 5.3 NM	FL245 FL145 Classe/ Class A	↓	↑	(5)	NIL
▲ MUNAD 145013S 0433541W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		016° 196° 25.1 NM	FL245 FL155 Classe/ Class A	↓	↑	(5)	NIL
▲ PABIN 174736S 0481144W							
		016° 197° 63.1 NM	FL245 FL155 Classe/ Class A	↓	↑	(5)	NIL
▲ GUTIL 164432S 0481756W							
		039° 219° 41.8 NM	FL245 FL155 Classe/ Class A	↓	↑	(5)	NIL
▲ ILRER 160423S 0480509W							
		039° 219° 12.6 NM	FL245 FL155 Classe/ Class A	↓	↑	(5)	NIL
▲ GELVA 155219S 0480119W							

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ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota *Nome do ponto significativo* *Coordenadas*	*Relativa do Waypoint (Indicação de Ângulo e DIST)* *ELEV da antena do DME*	*Referência Rumo MAG* *Contra Rumo MAG* *DIST*	*Limite Superior* *Limite Inferior* *Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator *Name of significant points* *Coordinates*	*Waypoint Formation (Angle and Distance Indication)* *DME antenna ELEV*	*Reference Track MAG* *Rev Track MAG* *Length*	*Upper limit* *Lower limit* *Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
Z47							
▲ GETPO 162631S 0390458W							
		260° 080° 40.0 NM	FL245 FL145 Classe/ Class A	↑		(5)	USAR SOMENTE NÍVEIS DE VOO ÍMPARES NO SEGMENTO VOR FLN/ GETPO USE ONLY ODD FLIGHT LEVELS IN SEGMENT FLN VOR/ GETPO
▲ GAXAM 164855S 0393931W							
		259° 079° 17.2 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ EDRAG 165847S 0395413W							
		260° 080° 61.2 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ DADNA 173232S 0404738W							

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		260° 080° 108.7 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ EDPIG 183303S 0422232W							
		260° 080° 14.4 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ ARUDI 184059S 0423510W							
		263° 083° 21.0 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ OPLUT 185138S 0425413W							
		252° 072° 41.0 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ ILPIR 191838S 0432649W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		237° 057° 20.9 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ MUKDI 193607S 0433906W							
		238° 058° 18.6 NM	FL245 FL145 Classe/ Class A	↑		(5)	NIL
▲ OGSOO 195122S 0435028W							
		240° 060° 17.5 NM	FL235 FL145 Classe/ Class A	↑		(5)	NIL
▲ UTLEV 200530S 0440135W							
		240° 060° 25.9 NM	FL235 FL145 Classe/ Class A	↑		(5)	NIL
▲ BISUD 202620S 0441805W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		239° 058° 26.1 NM	FL235 FL145 Classe/ Class A	↑		(5)	NIL
▲ KIBAP 204737S 0443416W							
		238° 059° 19.0 NM	FL235 FL145 Classe/ Class A	↑		(5)	NIL
▲ MEXAP 210307S 0444606W							
		241° 061° 10.3 NM	FL235 FL145 Classe/ Class A	↑		(5)	NIL
▲ NIGMA 211112S 0445257W							
		241° 061° 58.8 NM	FL235 FL145 Classe/ Class A	↑		(5)	NIL
▲ MOLVA 215718S 0453220W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		133° 313° 3.3 NM	FL235 FL145 Classe/ Class A	↓		(5)	NIL
▲ EGLAN 214555S 0460426W							
		133° 313° 14.0 NM	FL235 FL145 Classe/ Class A	↓		(5)	NIL
▲ ASBUP 215057S 0455020W							
		133° 313° 17.9 NM	FL235 FL145 Classe/ Class A	↓		(5)	TRECHO ASBUP/ PAI SÓ COM AUTORIZAÇÃO DO ACC CW ASBUP/PAI SEGMENT ONLY USABLE WITH PREVIOUS CLR CW ACC
▲ MOLVA 215718S 0453220W							
		132° 312° 20.9 NM	FL235 FL145 Classe/ Class A	↓		(5)	NIL
▲ VUBGI 220419S 0451106W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		132° 312° 63.0 NM	FL235 FL145 Classe/ Class A	↓		(5)	NIL
▲ MEBGA 222510S 0440656W							
		121° 301° 15.4 NM	FL235 FL145 Classe/ Class A	↓		(5)	NIL
▲ PIRAI VOR/DME PAI 222715S 0435026W							

ENR 3.2 ROTAS DE NAVEGAÇÃO DE ÁREA (RNAV)

ENR 3.2 AREA NAVIGATION ROUTES (RNAV)

Designador de Rota Nome do ponto significativo Coordenadas	*Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME*	*Referência Rumo MAG Contra Rumo MAG DIST*	*Limite Superior Limite Inferior Classe do Espaço aéreo*	*Direção do nível de cruzeiro*		*Tipo de RNP*	*RMK*
				Ímpar	*Par*		
Route designator Name of significant points Coordinates	*Waypoint Formation (Angle and Distance Indication) DME antenna ELEV*	*Reference Track MAG Rev Track MAG Length*	*Upper limit Lower limit Airspace class*	*Direction of cruising levels*		*RNP Type*	*RMK*
				Odd	*Even*		
1	2	3	4	5		6	7
Z73							
▲ VITÓRIA VOR/DME VRI 201537S 0401706W							
		323° 143° 40.6 NM	FL245 FL155 Classe/ Class A		↓	(5)	USAR SOMENTE NÍVEIS DE VOO PARES NO SEGMENTO VOR VRI/ VOR CNF USE ONLY EVEN FLIGHT LEVELS IN SEGMENT VRI VOR/ CNF VOR
▲ EKAXU 195529S 0405437W							
		323° 143° 8.0 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ OPLOX 195138S 0410200W							
		299° 119° 83.5 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ UTLUS 194312S 0423007W							

Designador de Rota Nome do ponto significativo Coordenadas	***Relativa do Waypoint (Indicação de Ângulo e DIST) ELEV da antena do DME***	***Referência Rumo MAG Contra Rumo MAG DIST***	***Limite Superior Limite Inferior Classe do Espaço aéreo***	***Direção do nível de cruzeiro***		***Tipo de RNP***	***RMK***
				Ímpar	***Par***		
Route designator Name of significant points Coordinates	***Waypoint Formation (Angle and Distance Indication) DME antenna ELEV***	***Reference Track MAG Rev Track MAG Length***	***Upper limit Lower limit Airspace class***	***Direction of cruising levels***		***RNP Type***	***RMK***
				Odd	***Even***		
1	**2**	**3**	**4**	**5**		**6**	**7**
		300° 120° 23.1 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ DANKU 194042S 0425423W							
		300° 120° 12.0 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ NIPDA 193923S 0430701W							
		299° 119° 30.5 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ MUKDI 193607S 0433906W							
		300° 120° 22.6 NM	FL245 FL155 Classe/ Class A		↓	(5)	NIL
▲ CONFINS VOR/DME CNF 193330S 0440255W							

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
ATOGU	063900S 0501141W	UL540, UL576	
ATORI	115253S 0374716W	UZ23	
ATORO	255128S 0355054W	UL224	
ATOVU	161156S 0445409W	UZ3	
AURIS	262620S 0532757W	UM532, UZ83	
AVOS	220810S 0413710W	KZ500, Z35	
BARCO	014058S 0565205W	Z45	
BELIC	111805S 0621348W	UZ98	
BERLI	233837S 0520313W	Z59	
BIDEV	161402S 0385820W	UN857	
BIGOD	094040S 0671250W	UZ74, Z15	
BILUX	054908S 0261346W	UL330	
BINAS	024359S 0605106W	UP527, Z13	
BISUD	202620S 0441805W	UM409, UZ23, Z47, Z52	
BITAK	233749S 0433817W	UM400, UN857, Z4	
BITOV	121503S 0573558W	UL201, UZ98	
BITUR	245553S 0545529W	UL216	
BIVUB	272551S 0523434W	UM400	
BIVUR	224755S 0410045W	KZ128, KZ138, KZ141	
BIVUT	011210N 0632110W	UL795, UM409, UM527, UZ87	
BIXAN	212137S 0471512W	UM654, UN741, UZ26, Z55, Z7	
BIXIG	253247S 0493505W	UM548, W34	
BIXOB	250020S 0493835W	UN741, UZ63	
BLIND	294034S 0563925W	Z23	
BOBAS	090249S 0711610W	UM776	
BODAD	193833S 0441327W	UZ35, Z12, Z73	
BODAK	013555N 0295947W	UB623, UL375, UL695	
BOGEL	251805S 0521615W	UZ161, UZ28	
BOGIG	253300S 0494019W	UM548	
BOGIV	021857S 0670016W	UL201, UM527	
BOGUR	084456S 0640116W	UL655, UZ74	
BOGUT	120000S 0391212W	UZ9	
BOKAM	032631S 0400836W	UZ81	
BOKID	083427S 0383414W	UN866, UZ84	
BOKUB	003104N 0455738W	UZ55	
BOLIN	223038S 0464355W	Z82	
BOLIP	244746S 0494956W	UZ102, UZ28, UZ5, UZ63, UZ71, UZ96, W48	
BOLIR	245252S 0543138W	UL301, UZ161	
BOMEK	021019S 0663508W	UL309, UP793	
BRACO	014440N 0695126W	UP527, UP793	
BRASA	241545S 0501818W	UZ63, W48	
BREGA	031330S 0592907W	Z13	
BRUTI	094125S 0555923W	UL304, UM417	
BUGAT	033709S 0291435W	UL206, UZ14	
BUMBA	033304S 0654611W	UL201, UM665	
BUPNA	082214S 0612118W	UL201, UL322	

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
BUPTU	132139S 0520230W	UM799, UZ40, UZ98	
BURLA	051449S 0640855W	UL216	
BURVI	195530S 0393949W	UN548	
BUSDU	153555S 0440644W	UN741	
BUSUM	055300S 0712631W	UM784	
BUTAB	040738S 0693036W	A566, UM665	
BUTAP	001550S 0270813W	UL206, UL695	
BUTEP	281322S 0492740W	UM540	
BUTOD	204100S 0440447W	UZ3	
BUTOK	291116S 0501220W	Z4	
BUVAG	112129S 0612633W	UL655	
BUVEB	022951S 0552312W	UP535, UZ81	
BUVIP	012215N 0591336W	UL322	
BUVKA	010230N 0650855W	UM656	
BUVKI	103435S 0652446W	UZ76, UZ98	
BUVOL	254441S 0490103W	UZ121, UZ63, Z56	
BUXAT	201437S 0395737W	KZ157, KZ161	
BUXAV	253020S 0474859W	UM400	
BUXEB	134625S 0552335W	UM656, UZ91	
BUXUK	234550S 0474857W	UZ121, Z56	
BUXUM	260059S 0490140W	UM400, W48	
CALVO	182544S 0390045W	UL206	
CARAM	170557S 0391246W	Z35	
CARMO	234728S 0514500W	Z31	
CARVE	024158N 0350658W	UN741	
CERVA	224419S 0480309W	UZ42	
CIDER	240750S 0401623W	UL224	
CITRA	104123S 0674244W	UN525	
CLUBE	112052S 0620116W	UL322, UZ98	
CORVO	185421S 0480450W	UZ25, UZ46, Z41, Z48	
COSTA	253043S 0551411W	A311	
CREMA	200445S 0540538W	UM544, W29	
CROMO	033801S 0391201W	UZ81, Z9	
CRUDE	014415N 0333259W	UN866	
CUARA	302211S 0562659W	UL324, UM532	
CURUK	034258S 0485144W	Z72	
DABAD	112924S 0382126W	UZ19, UZ30	
DABDO	161111S 0430508W	UZ88	
DABNO	262802S 0485347W	W48	
DABOR	000751S 0661335W	UL309, UP527	
DABUN	121754S 0602946W	UL655, UZ76	
DADAP	152831S 0440304W	UN741, UZ4	
DADED	100858S 0665335W	UZ76	
DADEL	123159S 0561347W	UM656, UP793, UZ98	
DADKI	074247S 0723250W	UL300, UM527	
DADMO	282826S 0494017W	UM540	
DADNA	173232S 0404738W	UZ10, Z47	

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
DADOT	212919S 0303007W	UL340	
DADRI	234937S 0553746W	UL216	
DADUT	305904S 0540900W	UM534, UN741	
DAGAM	061041S 0171453W	UL695, UN548	
DAGAT	112726S 0613126W	UZ98	
DAGBA	195849S 0485331W	Z64	
DAGEL	180024S 0395807W	UN857	
DAGSU	233034S 0462457W	UZ23, Z47	
DAGTA	084503S 0323036W	UL206	
DAISE	290305S 0504652W	Z91	
DAKAP	000000S 0390000W	UZ19, UZ51	
DAKBU	195540S 0572922W	UM415, UM799	
DAKDA	211652S 0430537W	UZ10, UZ22, UZ4, Z36	
DAKEM	180615S 0491135W	UL795, UM532, UZ8	
DAKEN	151013S 0385532W	UZ42, UZ73	
DALIV	071107S 0715956W	UM527, UM776	
DALMU	161312S 0464834W	UZ17, Z9	
DALOX	153510S 0401001W	UZ14	
DALVI	071138S 0354245W	UZ81	
DALVO	042211S 0393203W	UZ18	
DAMAN	065253S 0512431W	UZ38, UZ9, UZ91	
DAMDU	043047S 0715342W	UN420	
DAMIB	131122S 0501757W	UM409, UZ84	
DAMIR	094643S 0614039W	UL322, UM549	
DAMSI	072218S 0510018W	UL540	
DAMTA	232423S 0462308W	UZ23, UZ42, UZ92, Z47	
DANKU	194042S 0425423W	Z73	
DANRA	230014S 0413532W	KZ153	
DAPSA	040440S 0381739W	UZ12	
DAPSI	084721S 0390456W	UZ29, UZ84	
DAPTA	085136S 0464020W	UZ3, UZ9	
DARBA	102936S 0560802W	Z85	
DARBU	022234S 0543031W	UL452, UZ81	
DARDA	001947N 0592614W	UL322	
DARDI	261630S 0483402W	UZ38, UZ69	
DARNU	264005S 0475406W	Z47	
DEJAN	204611S 0440515W	UM409, UZ3, Z32, Z52	
DEKON	051300N 0313754W	UN866	
DEMIT	071411S 0593926W	UM402, UM656, UZ33	
DENDE	151714S 0393119W	UZ10, Z18	
DENDO	101449S 0362546W	Z35	
DESEX	140947S 0340308W	UL330	
DEVES	135937S 0431811W	UN741, UZ19, Z8	
DEVET	150047S 0434907W	UN741, UZ17, Z9	
DEVEX	212752S 0510210W	UM411, UM532	
DEVIR	204701S 0465456W	UM654, UN741, UZ2, Z5	
DEVIT	200209S 0421838W	UZ10, UZ35	

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
DEVOT	311345S 0524426W	UN857	
DEVUN	030633S 0375902W	UN741	
DEVUP	121929S 0475734W	UL462, UZ84	
DEXAK	250910S 0533934W	UZ152, UZ161, Z5	
DEXED	182437S 0481610W	UL795, UZ46, UZ8	
DEXEL	102256S 0392243W	UZ29, UZ59	
DEXEM	002650S 0661657W	UL309	
DEXOS	032636S 0304437W	UM661	
DEXOV	224325S 0494956W	UM415, UZ65, Z31	
DIANA	041713S 0380716W	UZ81, Z35	
DIBEP	211549S 0540013W	UM415	
DIBUX	133206S 0511520W	UZ40, UZ84, UZ98	
DIDAB	230031S 0470745W	UL304, UM417, UM423, UZ58, Z22, Z7, Z85	
DIDOM	251754S 0531107W	UZ161	
DIDUG	140838S 0460525W	UZ94	
DIGEV	063318S 0364553W	UM791, UZ78	
DIGIN	083938S 0703142W	Z15	
DIGOR	004000N 0284000W	UL375, UL695	
DIGUM	042719S 0642345W	UL216, UP793	
DIKAK	051942S 0420356W	UZ51, UZ7	
DIKAL	092414S 0632126W	UL655, UL793, UZ52	
DIKAX	174329S 0553515W	UM799, UZ52	
DIKEB	042952N 0340917W	UL375, UL695, UN741	
DIKUN	171800S 0535801W	UZ82	
DIKUS	030725S 0404734W	UM791, UZ51	
DILUV	131315S 0574521W	UL540, UZ76	
DIMEM	182912S 0502947W	UL304, UM417	
DIMIP	210443S 0521049W	UM411, UZ52	
DIMOD	101540S 0392121W	UN866, UZ29	
DIMUK	000445N 0642621W	UM527, UM656	
DIMUX	222220S 0405041W	KZ121, KZ131	
DINAD	142402S 0534241W	UZ84, UZ87	
DIVRA	033938N 0605918W	UM527	
DOBDA	043218N 0600748W	UM527	
DOBLA	114748S 0393637W	UZ72, UZ9	
DOBNU	131554S 0432430W	Z36, Z42	
DODPA	135201S 0521111W	UL795, UM423, UZ84	
DODPI	201537S 0400936W	KZ155, KZ157, KZ159	
DODPU	192509S 0530748W	UM549	
DODRI	175240S 0505608W	UL304, UM417	
DODSU	070032S 0672434W	UL309	
DOGSU	202941S 0412425W	UN857	
DOKBA	263416S 0544856W	UL324	
DOKBU	053712S 0604333W	UL322, UM656	
DOKPU	274135S 0481823W	UN857	
DOKRO	262335S 0464432W	UN857, Z4	

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1	2	3	4
DOLDI	263346S 0502142W	UM400, UZ5, UZ68	
DOLMO	044128S 0692558W	UL417, UM527	
DOLTI	024659S 0575220W	UZ81	
DOMDO	072719S 0340317W	UZ14	
DOMGI	101917S 0395359W	UZ79	
DOMVI	021748N 0621754W	UM417, UM527	
DONRE	161608S 0562326W	Z34	
DONRO	280514S 0492054W	UM540	
DOPGA	295258S 0521349W	W18	
DOPMU	040321S 0382444W	UN741, UZ12	
DOPOM	263803S 0503232W	UM400, UZ96	
DOPRU	143704S 0384447W	UZ73	
DORDU	172752S 0415953W	UZ23	
DORLU	232049S 0451857W	UZ42, Z49, Z82	
DORMU	113544S 0400005W	UN866, UZ41, UZ9	
DORNO	145912S 0560640W	UZ91, Z85	
DOSMA	173920S 0443224W	UZ3, UZ32	
DOSMU	251349S 0472709W	UM548, UZ92	
DOSRO	123857S 0541852W	UL304, UM417, UZ40	
DOSVA	044413S 0414323W	UZ51, UZ66	
DOSVU	163414S 0422525W	UZ72	
DOTBI	125124S 0395041W	UZ19, UZ29, Z8	
DOTKU	042356S 0390310W	UM654, UZ1, UZ60, UZ77, UZ88	
DOTNI	030412S 0590833W	UL304, UZ12	
DOTNU	182658S 0514427W	UL201	
DOTSA	213848S 0412446W	UL206, UZ95	
DOVBU	294710S 0570212W	Z23	
DUBDA	220419S 0413746W	UZ50, UZ95	
DUBGI	101342S 0623430W	UL216, UL655	
DUBRO	185253S 0433137W	UZ21, UZ4	
DUBRU	021616S 0452152W	UL540, UZ81	
DULIA	252408S 0473434W	UM400, UZ92	
EAGLE	291210S 0514726W	R563, UL216	
EDLUG	100451S 0540522W	UL540, UL795, UM423	
EDMAR	271558S 0531558W	UL216, UM657	
EDMAT	132211S 0395638W	UZ17, UZ29	
EDMIK	124443S 0490517W	UZ38, UZ84	
EDMIL	133510S 0395909W	UZ29, UZ30	
EDMIN	184030S 0483715W	UZ5	
EDMOX	221519S 0483537W	UM411, UZ65	
EDMUP	094110S 0403016W	UZ61, UZ78	
EDMUR	180305S 0452211W	UM654, UN741, UZ33, Z63	
EDMUS	231121S 0452309W	UZ10, Z10	
EDNAG	251556S 0473850W	UM548	
EDNAL	032735S 0400059W	UZ81	
EDNAM	214859S 0432522W	UM409, UZ10, UZ22, Z43, Z52	
EDNAR	152837S 0483443W	Z86	

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
EDNEL	251825S 0475234W	UM548, UZ38	
EDNES	160927S 0421554W	UN866, UZ72	
EDNOB	141854S 0393503W	UZ23	
EDNOS	002330S 0590433W	UL306	
EDNUK	181447S 0440352W	Z3	
EDPAS	053302S 0710842W	UN420	
EDPET	000558N 0581929W	UL306	
EDPID	000024S 0582913W	UL306, UZ24	
EDPIG	183303S 0422232W	Z47	
EDPIV	052524S 0390422W	UN741, UZ77	
EDPIX	254330S 0511413W	UZ71	
EDPOR	102438S 0650151W	Z45	
EDPOT	160122S 0553201W	UM668	
EDPUR	223058S 0402451W	KZ124	
EDPUS	055523S 0450944W	UP527, UZ2, UZ41	
EDRAG	165847S 0395413W	UZ42, UZ57, Z47	
EDRAS	050345S 0634838W	UP793	
EDREX	254141S 0491647W	UZ102	
EDRIB	212635S 0401426W	KZ186	
EDRIL	070919S 0364419W	UZ7, UZ73	
EDRIR	265004S 0531356W	UL310, UZ83	
EDSAS	144845S 0390213W	Z18	
EDSED	214542S 0500804W	UM411	
EDSEN	230535S 0480154W	Z85	
EDSEX	030819N 0612925W	UM527, UZ24	
EDSOL	294523S 0504101W	UZ39	
EDSUL	110441S 0410624W	UZ79, UZ9	
EDSUN	053016S 0640406W	UL201, UL216	
EDVAN	164410S 0420937W	UZ80	
EDVAX	243205S 0500349W	UZ63, W48	
EDVEB	251931S 0475844W	UM548, Z21	
EDVEG	065701S 0345319W	UZ11	
EDVEK	154852S 0454722W	UL576, UZ17, Z9	
EDVEL	212105S 0364600W	UM400	
EDVEP	134633S 0585433W	UL655, UM402	
EDVIR	151659S 0401905W	UZ23, UZ29	
EDVUL	220746S 0485931W	UM411	
EDVUP	043605S 0324848W	UN857	
EGAPO	155727S 0402705W	UZ14, UZ29	
EGBAK	092228S 0682051W	UN420	
EGBAL	205234S 0465321W	Z5, Z73	
EGBEM	044640S 0611632W	UM656, UZ74	
EGBIG	184717S 0430159W	UZ23, UZ40, Z3	
EGBIP	281641S 0490206W	UN857	
EGBIR	034935N 0381457W	UM799, UZ5	
EGBOB	215935S 0403304W	KZ120, KZ130, KZ151	
EGBUG	255024S 0501356W	UN741, UZ96	

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1	2	3	4
EGBUX	130040S 0614208W	UL216, UM775	
EGDAK	261822S 0493243W	Z91	
EGDAX	253219S 0492446W	UM548, W34, Z7	
EGDEB	195624S 0403323W	UZ32, UZ95	
EGDED	265312S 0471936W	UN857, Z4	
EGDID	202504S 0400855W	KZ159, KZ161, KZ171, KZ181	
EGDIN	203313S 0480141W	Z82	
EGDOD	105734S 0481914W	UZ26, Z84	
EGDUP	185613S 0463825W	UL795, UZ38, UZ8, Z6	
EGELU	230344S 0560640W	UL216	
EGEPO	205336S 0450514W	UZ21, Z18	
EGETO	064518S 0514221W	UL776, UZ9	
EGEVA	230823S 0483341W	UM415, UZ58, Z85	
EGEXU	191953S 0462853W	Z6	
EGIGI	232650S 0473424W	UM415	
EGIKO	110443S 0402848W	UZ41, UZ59	
EGIMI	060000N 0362000W	UL375, UL540, UL695, UM799, UZ56	
EGIMO	173417S 0544128W	UL655, W48	
EGIPU	110046S 0411629W	UZ88, UZ9	
EGIRI	061347S 0392742W	UN741, UZ7	
EGLAN	214555S 0460426W	Z55, Z6	
EGLAS	194607S 0435408W	Z12	
EGLER	051819S 0641519W	UL201, UL793	
EGOKI	235055S 0463649W	UM415, UZ92, Z35	
EGOLA	130616S 0515021W	UM799, Z86	
EGONI	180003S 0500147W	UM403, UM423	
EGORU	165458S 0403835W	UZ29	
EGOXI	174457S 0404839W	UZ29, UZ57	
EGUDU	263909S 0533420W	UM532	
EGUNU	182725S 0480738W	UL795, UZ8, Z41	
EGUPA	023344S 0231742W	UL330, UL695	
EGUTO	232411S 0461205W	UZ42	
EKALO	222602S 0380850W	UL340	
EKAXU	195529S 0405437W	UZ34, Z3, Z73	
EKEBA	131858S 0503855W	UZ6, UZ84	
EKERA	135241S 0410717W	UN866, UZ17, Z9	
EKOGA	041857S 0392641W	UM791, UZ18	
EKOXI	252545S 0484839W	Z56, Z91	
EKOXU	041941S 0613403W	UM656, UZ62	
EKUKA	165738S 0513526W	UL304, UM417	
EKUMA	150043S 0532137W	UM799, UZ87	
EKUMU	163820S 0422700W	UZ30, UZ72	
EKUPO	053034S 0472712W	UP527	
EKUVI	121053S 0440805W	UZ4	
ELABI	042113S 0533607W	UL452, UP527	
ELADI	105026S 0414302W	UN741, UZ9	

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1	2	3	4
ELAKA	274208S 0490147W	UM540	
ELAMO	280602S 0552708W	UL324	
ELANO	113526S 0460129W	UZ3, UZ5, UZ84	
ELIET	031014S 0435431W	UZ20, Z81	
ELISA	144135S 0493107W	UZ98	
ELNOV	004759N 0592031W	UL322, UZ24	
ELOPE	033917S 0602256W	Z45	
EMAKE	021529S 0541022W	Z54	
EMTUP	100052S 0300526W	UL330	
ENLIV	094128S 0443712W	UZ51, UZ9	
ENPEG	214539S 0490018W	UZ5	
ENPIG	120830S 0562920W	UL540, UM656	
ENPUS	200442S 0403730W	UZ34, UZ95	
ENRAL	123344S 0462142W	UZ51	
ENROD	204521S 0540146W	UZ42, Z22	
ENRUB	203802S 0542219W	UZ42	
ENRUR	173031S 0470959W	UZ38, Z6	
ENRUS	080837S 0454649W	UZ2	
ENSOD	220924S 0431235W	UM409, Z43, Z52	
ENSUG	260659S 0484512W	UZ63, UZ93	
ENSUK	163052S 0533622W	UL201, UZ8	
ENTEB	070430S 0382800W	UP527, UZ19	
ENTIT	222503S 0463929W	UZ2, UZ30, Z5, Z92	
ENTUM	202143S 0404600W	UZ95	
ENTUN	224552S 0495501W	Z31	
ENVAL	053559S 0671006W	UL306, UL309, UL655	
ENVAN	034620S 0383252W	UZ18	
ENVIX	213135S 0403238W	KZ186, KZ190	
ENVOG	172352S 0413410W	UZ1, UZ14	
EPDEN	071656S 0634757W	UL793, UM549	
EPDEP	144648S 0470021W	UZ60, UZ78	
EPDOD	001925S 0663432W	Z13	
EPDUB	242042S 0541848W	Z59	
EPGAR	002446S 0654051W	UL216, UP527	
EPGEM	142805S 0444809W	UZ19, Z8	
EPGEP	282318S 0522514W	R563, UL216, UZ68, UZ83	
EPGIP	225216S 0435837W	UL340	
EPGUB	130722S 0403818W	UZ1, UZ19	
EPGUV	061908S 0634848W	UL216, UZ62	
EPKAT	034308S 0665053W	UL309, UM665	
EPKAV	075818S 0382642W	UZ19, UZ78	
EPKAX	214508S 0430100W	UZ4, Z36	
EPKIP	035137N 0514800W	Z84	
EPKIR	031233S 0621725W	UM656, UM665	
EPKUV	210937S 0461230W	UZ30, Z92	
EPLAG	040828S 0693552W	A566, UL417, UM665	
EQUAL	134524S 0560635W	UL201, UZ76	

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1	2	3	4
EREJO	045228S 0421105W	W44	
ERETU	030742N 0284800W	UM661, UN857	
ERIXI	085114S 0355950W	UZ21	
ERODO	091431S 0680729W	UP525	
EROGI	151754S 0601502W	UL540, UM668	
EROPO	150128S 0483727W	UM409, UZ33, UZ40	
ERUGA	004904S 0485002W	UA555, Z84	
ERUGU	042916S 0383723W	UN741, UZ61	
ERVAM	003105S 0664345W	W25	
ERVAN	123132S 0512420W	UM799, UZ6	
ERVAP	303256S 0551034W	UM418, UM654	
ERVEL	030543S 0582144W	UZ12	
ERVOB	154004S 0440125W	UZ4	
ERVOV	063651S 0622158W	Z45	
ESANI	001950N 0454033W	UZ56	
ESARU	034934S 0375850W	UZ86	
ESAVA	225654S 0490945W	UM415	
ESAVO	033410S 0392519W	Z9	
ESBAV	301644S 0520019W	UM534	
ESBUK	091347S 0680517W	UL417	
ESBUL	121531S 0621054W	UL322	
ESBUT	033758S 0441343W	UZ12, UZ4	
ESBUV	035753S 0614811W	UM656	
ESDAB	034423S 0400554W	UM791, UZ12	
ESDAG	113644S 0565016W	UM656, UZ40	
ESDER	201741S 0574847W	UL216, UM799	
ESDEV	161748S 0520335W	UL304, UM417, UP793	
ESDIM	252732S 0554148W	UM548	
ESDOP	140909S 0585155W	UL540, UM402	
ESGAS	215211S 0481107W	UL201, UM654, UZ31	
ESGUM	063733S 0340214W	UB623, W41	
ESILO	223025S 0492326W	UZ65	
ESIMI	112407S 0503413W	UM799, UZ24	
ESITU	051322S 0580837W	UL304, UZ6	
ESKEB	082632S 0521255W	UL540, UP535	
ESKEK	263814S 0454105W	UM661	
ESLEB	021952S 0433743W	UM799	
ESLEL	005549N 0404656W	UM799	
ESLIB	130513S 0371613W	UN857	
ESLID	185609S 0501039W	UL304, UM417, UM775	
ESLOT	261358S 0493303W	UM400	
ESMAR	054452S 0565204W	UM409	
ESMEM	044642S 0385425W	UM791	
ESMIG	064038S 0363654W	UM791, UZ72, UZ73	
ESMIV	214847S 0480822W	Z73	
ESMOX	130521S 0381746W	UZ14, UZ73	
ESMUT	041332S 0494614W	Z28	

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1	2	3	4
ESNER	061850S 0482446W	UZ26	
ESNIK	254806S 0483050W	UZ69	
ESNIN	124315S 0403302W	UN866, UZ1	
ESNOD	055611S 0441211W	UZ4	
ESNOG	270808S 0523946W	UM654, UZ75, Z21	
ESOPU	041810S 0374815W	UZ12	
ESORU	230151S 0444035W	UL340, UZ10, Z10	
ESOTO	081747S 0713346W	UL306	
ESPES	181853S 0480831W	Z41, Z64	
ESPET	071558S 0355334W	W46	
ESPIN	164244S 0532455W	UL201, UM668	
ESTEP	040232S 0432440W	UZ20, Z81	
ESUKA	270222S 0534640W	UM657	
ESUNA	012702N 0561527W	UL306, UL452	
ESUVO	073836S 0702915W	UL306, UM784	
ETANO	045733S 0365521W	UN866, UZ12	
ETANU	101033S 0462141W	UZ2, UZ3	
ETASI	240432S 0463312W	UZ23, UZ45	
ETAXO	155124S 0100000W	UL375	
ETEGI	201003S 0544630W	A430, UM411, UZ63, Z85	
ETEGO	210222S 0482117W	UM423, UZ31	
ETELO	045341S 0384606W	UM791, UZ61	
ETELU	221139S 0400201W	KZ122	
ETEPU	000013S 0672456W	Z13	
ETETI	005141N 0570933W	UL306, UP535	
ETETO	114624S 0595601W	UM549, UZ98	
ETEVA	223404S 0395909W	KZ124	
ETIBI	081045S 0344655W	UZ14	
ETIMO	050241S 0222831W	UL375, UN401	
EVLAS	213835S 0403244W	KZ185, KZ189	
EVLOL	190448S 0574821W	UM411	
EVMAT	242655S 0494330W	UZ5	
EVMET	201553S 0433318W	Z36	
EVMIM	224857S 0474738W	Z22	
EVMON	130959S 0404611W	UN866, UZ19, Z8	
EVNES	223810S 0500526W	UM415, UM549	
EVNIN	213118S 0412057W	UZ47, UZ95	
EVNIP	133742S 0452339W	UZ78	
EVNIT	303123S 0545812W	UM418, UZ68	
EVNUG	210921S 0465051W	Z43, Z5	
EVPAD	195728S 0425843W	UZ16, UZ35, Z48	
EVPIB	263603S 0465911W	UN857, Z4	
EVPIV	161932S 0424956W	UZ61	
EVPOM	212939S 0460021W	UZ38, Z6	
EVRIS	032154S 0524058W	Z13	
EVRIV	192043S 0495212W	UL304, UM417, UM532, UM775	
EVSIB	184320S 0412813W	UZ10, UZ16	

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1	2	3	4
EVSUP	251727S 0503438W	UZ161, UZ71	
EVTAL	142408S 0462739W	UL576, UZ78	
EVTOB	213015S 0464742W	Z5, Z55	
EVTOR	183750S 0431939W	UZ21, UZ40	
EVTUS	230636S 0411840W	KZ152	
FATAL	193640S 0572030W	Z34	
FAVOR	040423S 0552154W	Z13	
FEITO	253931S 0455326W	UN857, Z4	
FEMUR	033802S 0340210W	UN873	
FHAW	075812S 0142336W	UL695	
FIGOS	212715S 0532833W	UM403, UM415, UZ63, Z85	
FILHO	101143S 0665838W	A685	
FLOTE	101720S 0670539W	A430, UM775	
FROTI	101637S 0382316W	UZ19, UZ77, Z9	
FUNDA	033126S 0472552W	UZ12, UZ41	
GAITA	224731S 0475217W	Z22	
GAMOT	305640S 0552937W	UM654, UZ68	
GARUP	185145S 0374022W	UN548	
GATOT	014719N 0554421W	UL306, UL776	
GATUK	133118S 0551443W	UP793, UZ91	
GAVAK	095302S 0370836W	UZ30	
GAVIT	023913S 0664002W	UL201, UL309, UZ33	
GAVOM	250957S 0513536W	UZ28	
GAVUS	001642N 0670803W	M778	
GAXAM	164855S 0393931W	Z47	
GAXES	032857S 0651950W	UM665, UP793	
GAXIN	281521S 0502747W	Z91	
GAXUM	312908S 0512816W	UM661	
GEBEP	172922S 0472445W	UZ2, Z5	
GEBIG	035920S 0665338W	UL309	
GEBIR	220806S 0415051W	UL206, UZ50	
GEBOK	005425S 0485644W	UG449	
GEBOX	230030S 0411248W	KZ164	
GEBUN	263440S 0534646W	R563, UL216	
GEDAV	045154S 0384814W	UM791, UN741	
GEDIM	264347S 0494510W	Z56, Z91	
GEDIR	055613S 0463251W	UM799	
GEDIT	034119S 0615853W	UM656	
GEDOL	201254S 0404136W	UZ35, UZ95	
GEDOV	015419S 0663226W	UL309, UM527	
GEDUS	151654S 0602530W	UM668	
GEGAV	075136S 0631941W	UL216, UM549, UZ74	
GEGOB	241013S 0502311W	UM654, UZ63, W48	
GEKEM	214402S 0511116W	UM532, UZ42, Z22	
GEKEV	140557S 0402337W	UZ30	
GEKON	151506S 0480336W	UZ25, UZ38, UZ5	
GEKOT	195224S 0515138W	UM403	

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1	2	3	4
GEKUB	030801S 0573322W	UM423, UZ12	
GELAM	192414S 0360023W	UZ47, UZ50	
GELIR	292629S 0250451W	UL224	
GELRU	100710S 0412137W	UN741, UZ41	
GELVA	155219S 0480119W	Z1, Z12, Z15, Z2, Z3, Z41, Z5, Z63, Z64, Z84, Z86	
GELVU	041057S 0542940W	UP527, UP535	
GEMAT	141248S 0553909W	UL201, UZ91	
GEMEG	091019S 0613216W	UL322	
GEMEM	231549S 0425616W	UM400	
GEMIX	103136S 0440912W	UZ18, UZ4	
GEMOD	253346S 0495813W	UM548	
GEMOL	042123N 0594114W	B681, UB681	
GENAP	153127S 0574500W	UM668, UZ52	
GENAT	023035N 0552029W	UL462	
GENBI	230225S 0472745W	UZ58, Z41, Z85	
GENBU	143638S 0464539W	UL462, UZ78	
GENEG	265416S 0530601W	UZ71	
GENKO	231545S 0454312W	Z82	
GENVO	033709S 0443128W	UZ12, UZ2	
GEPMA	271226S 0504606W	UZ96	
GEPMI	294030S 0512834W	UL216, UZ38	
GEPMO	165102S 0470738W	UZ24, UZ35, UZ6, Z1, Z12, Z2	
GERGU	065858S 0441132W	UZ4, UZ41	
GERSO	104952S 0363909W	UZ14, UZ42	
GERTI	061741S 0391619W	UZ61, UZ7	
GERTU	222549S 0473345W	UL201, UL304, UM417, UM423, UM775, UN741, UZ25, Z41	
GESBO	250028S 0464029W	UM400	
GESDA	265033S 0484710W	W48	
GESLA	215029S 0400214W	KZ120	
GESLI	252720S 0484319W	UM548	
GESNU	231415S 0494418W	UM654, UZ58	
GETGO	240553S 0511641W	UL301, UZ176	
GETMA	142348S 0581317W	UL655	
GETPO	162631S 0390458W	UZ16, Z35, Z47	
GEVGA	220946S 0460523W	UZ21	
GEVMI	165111S 0444417W	UM654, UN741, UZ3	
GIANT	113543S 0342150W	UL206	
GIDBU	173742S 0503515W	UM544	
GIDGI	231823S 0472502W	Z41, Z7	
GIDMI	054955S 0403659W	UZ18, UZ7	
GIDOD	193725S 0400157W	Z35	
GIDRA	104721S 0415057W	UZ78, UZ9	
GIDVO	182625S 0491308W	Z65	
GIGDU	214535S 0403251W	KZ184, KZ188	
GIKLU	232535S 0492625W	UZ5	

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1	2	3	4
GIKPO	214350S 0411459W	UZ44	
GIKTO	205125S 0410052W	UN401, UZ95	
GIKVI	043325S 0584501W	UM417, UZ6	
GILDO	132702S 0391926W	UZ21, UZ80	
GILMU	062125S 0390528W	UZ7, UZ77	
GILRU	175819S 0375242W	UL330	
GIMBA	033733S 0585244W	UL304	
GIMPO	185954S 0442532W	UZ30, UZ33, Z63	
GLINT	062726S 0635812W	UL793, UZ62	
GRAFO	103834S 0675601W	UL309	
GUARI	183444S 0482159W	Z48	
GUEST	054023S 0430628W	UZ5	
GUIMA	091624S 0641625W	Z45	
GUSOD	143958S 0331811W	UN401	
GUTIL	164432S 0481756W	UZ25, Z41	
GUTUL	035204S 0470630W	UL540, UZ41	
GUVEB	114652S 0393828W	UZ29, UZ9	
IBDAL	234529S 0451353W	UZ45	
IBDAN	080730S 0515120W	UL452, UL540	
IBDIL	001824S 0585645W	UL306, UM423	
IBDOT	201204S 0431651W	UZ4	
IBGAM	102006S 0482121W	UL576, UZ26	
IGAPO	053610S 0614931W	UZ33, UZ74	
ILBEK	253505S 0512330W	UL310, UM548, UM654, W34	
ILBEM	063654S 0411158W	UP527, UZ18	
ILGER	172700S 0100000W	UL340	
ILKOD	054403S 0630940W	UP793, UZ62	
ILKOK	233458S 0462614W	UZ23, Z47	
ILKOL	181533S 0405452W	UZ16, UZ29	
ILKOX	132225S 0353245W	UL206	
ILKUS	145523S 0481156W	UL452, UZ26, UZ38, Z84	
ILMAB	220212S 0413029W	UZ44, UZ50	
ILMAM	212341S 0411706W	UZ49, UZ95	
ILMAN	012937S 0490807W	UZ41, UZ81	
ILMIG	050009S 0335929W	W40	
ILMIS	244048S 0530327W	UZ65, Z31	
ILMUP	161801S 0555525W	A430, UZ63, Z85	
ILMUR	224745S 0463543W	Z5	
ILNAL	205128S 0395801W	KZ163, KZ181	
ILNAM	093119S 0721108W	UL300	
ILNAP	071640S 0695321W	UL306, UN420	
ILNER	035216N 0604646W	UM402, UM527	
ILNES	043916S 0462206W	UZ41	
ILNIM	175159S 0495358W	UL795, UM403, UZ8	
ILNOM	083807S 0482252W	UZ26	
ILNUD	195030S 0411424W	UZ29, UZ34	
ILNUK	014405S 0631404W	UM656, UP527	

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1	2	3	4
ILPAV	174354S 0485943W	UM532, UZ31, Z82	
ILPEL	134640S 0471202W	UL462, UZ5	
ILPER	010343S 0490343W	UZ7, Z72	
ILPIR	191838S 0432649W	UZ23, UZ4, UZ72, Z47	
ILPIV	294723S 0514951W	Z23	
ILPIX	114153S 0383100W	UZ30	
ILPOB	263815S 0485047W	W48	
ILPOL	064448S 0690124W	UL306	
ILPOM	083922S 0394247W	UZ1, UZ94	
ILRER	160423S 0480509W	Z41, Z7	
ILRES	130923S 0622112W	UL322	
ILRIB	094841S 0382922W	UZ59, UZ77	
ILRIL	170409S 0453515W	UZ32	
ILRIR	004450S 0674710W	UP793	
ILROS	260838S 0492006W	UM400	
ILRUM	151320S 0441941W	UZ17, Z9	
ILSAN	225423S 0472900W	Z22, Z41	
ILSAT	020205S 0481903W	UZ3, Z84	
ILSIR	194935S 0545206W	A430, Z85	
ILSOL	062151S 0424000W	UP527, UZ51	
ILSOS	054513S 0472348W	UZ3	
ILSUB	020149S 0600954W	UM402, UM409	
ILSUD	025204S 0440454W	UM799, UZ20	
ILSUM	245656S 0485703W	Z7	
ILTAL	034322N 0605536W	UM423, UM527	
ILTAR	093640S 0613813W	UL322, UZ40	
ILTAT	110013S 0370913W	UZ23	
ILTEG	114459S 0620506W	UL216, UL322, UZ76	
ILTEM	194717S 0441331W	W31, Z18, Z48	
ILTIT	234830S 0440212W	UM400	
ILTOG	313320S 0523511W	UM540	
ILTON	065712S 0352336W	UZ21	
ILTUG	024322S 0562056W	Z54	
ILVAX	281342S 0544339W	UM400, UM532	
ILVES	094709S 0482157W	UZ26	
ILVET	292052S 0553250W	Z23	
ILVIS	013359N 0600302W	UZ24	
ILVIT	101947S 0494652W	UM799	
ILVOR	262442S 0483458W	UZ69	
ILVUS	092147S 0403341W	Z36	
IMBAP	213758S 0423511W	UZ1, UZ42	
IMBAS	255449S 0484651W	UM400, UZ93	
IMBES	141157S 0450115W	Z15	
IMBIM	271329S 0520220W	UM400, UZ75	
IMBIV	094053S 0363456W	UZ21	
IMBOT	145104S 0523224W	UZ76	
IMDAB	231151S 0443729W	UZ42, Z49	

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1	2	3	4
IMTBI	223404S 0491239W	UZ5	
INDOB	001349S 0503347W	UZ7, Z72	
INTOL	012139S 0324953W	UN873	
IRATO	084539S 0721959W	UL300, UL306	
IREGA	063838S 0685123W	UL306, UL417	
IREGI	033604S 0450537W	UZ12, UZ7	
IREGU	175636S 0460340W	UZ35, Z12	
IREKI	073820S 0352832W	UZ21, UZ30, UZ59	
IRELU	025601S 0591217W	UL304, UZ81	
IRIMU	001943N 0670656W	UP527	
IRIPI	200058S 0553710W	UZ42	
IRISO	114122S 0481717W	UL462, UZ26	
IRLAM	204804S 0540312W	Z14	
IROBI	174002S 0451013W	UM654, UN741, UZ40, Z3	
IROMA	093813S 0410720W	UN741, UZ84	
IROMU	032930S 0482702W	UZ12, UZ26	
IROSI	072508S 0353121W	UZ81	
IRUBI	305258S 0531548W	UM792, UZ53	
IRUMA	110030S 0443120W	UZ18, UZ84	
IRUMI	150055S 0381823W	UN857	
IRUMO	040602S 0595718W	UM402	
IRURA	035802S 0391109W	UZ66, W44	
IRUTU	090635S 0460324W	UZ2, UZ9	
IRUVO	212434S 0511204W	UM411	
IRUXI	203259S 0421910W	UZ1	
ISADO	072604S 0343046W	W41	
ISALA	314034S 0542647W	A314	
ISANU	030645S 0524035W	Z45	
ISARA	103624S 0674036W	UL417	
ISEBU	132327S 0575726W	UL540	
ISEMA	212658S 0515721W	W48	
ISIDI	044102S 0720519W	UM784	
ISILA	181146S 0393744W	Z35	
ISINA	113511S 0474647W	UL576, UZ25	
ISIPA	043631S 0595426W	UM402	
ISIPI	170750S 0463503W	UM409, Z52	
ISIRA	151925S 0565018W	UM549	
ISISA	213920S 0485845W	UZ5	
ISIVA	022300S 0595926W	UL322	
ISIXU	030334S 0441405W	UM799, UZ4	
ISKAB	031900S 0442627W	UM799, UZ2	
ISKAG	195335S 0433342W	UZ14, UZ35	
ISKOL	130407S 0581256W	UZ76	
ISKOM	172831S 0404520W	UZ10, UZ29	
ISLIB	122453S 0564828W	UZ98	
ISLUT	124226S 0570902W	UL201, UL540	
ISMEL	171423S 0484833W	Z48	

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1	2	3	4
ISMOB	214721S 0471149W	UZ26, Z7	
ISNEM	181428S 0432443W	UZ61, UZ80	
ISNIL	272013S 0511320W	UM792, UN741, UZ68, UZ75	
ISOBA	052949S 0361152W	UZ12	
ISOBI	090954S 0485553W	UL576, UM799	
ISOBU	304350S 0532259W	UM534, UZ38	
ISOLU	085319S 0632754W	UL793, UZ40	
ISONA	041604S 0650908W	UL201, UL306	
ISOPI	163934S 0473232W	UZ2, Z5	
ISORA	131946S 0465803W	UL576, UZ5	
ISOTI	104406S 0415916W	UM654, UZ9	
ISPAP	192545S 0410916W	UZ29, UZ32	
ISPOG	123924S 0570529W	UL540	
ISRAB	212952S 0453355W	UZ21	
ISRIK	190919S 0470855W	UZ2, Z48, Z5	
ISRIN	220932S 0425659W	UZ4, Z36	
ISTAB	221601S 0430824W	UM409, UN401, Z10, Z43, Z52	
ISTAS	092826S 0383347W	UZ77, UZ79	
ISTIR	275746S 0510415W	UZ96	
ISTOK	010820N 0593920W	UM423, UZ24	
ISUDU	153545S 0565229W	UL655, UM668	
ISUGI	050626S 0383055W	UM791, UZ19	
ISUGO	124756S 0590124W	UM402, UM549, UZ76	
ISUKA	161335S 0542047W	UM799, UZ8	
ISUNU	021434S 0595742W	UL322, UM409, UM417	
ISUPA	074309S 0193141W	UL375, UN548	
ISUPI	032153S 0403120W	UM791, UZ81	
ISURA	081302S 0632707W	Z45	
ISURI	061244S 0451434W	UZ2	
ISVED	250744S 0534410W	UZ161, UZ65	
ISVES	251611S 0484927W	UZ93	
ISVOM	154925S 0540104W	UM656, UM799	
ITAGU	091239S 0632705W	Z15	
ITAKI	014126S 0472422W	UZ81	
ITALA	073727S 0511723W	UL540, UL776	
ITAMI	013413S 0594928W	UL304, UL322	
ITANA	200854S 0411814W	UZ29, UZ35	
ITATI	040729S 0380226W	UZ12	
ITATU	043124S 0565214W	UM423, UZ9	
ITBEB	293132S 0503357W	UM540, UN857	
ITEKO	194540S 0411324W	UZ29, UZ40	
IVPON	063725S 0712504W	UM527	
IVRUM	113025S 0612845W	UZ52	
IVSUT	204214S 0462016W	Z73	
IVTIG	211926S 0474101W	Z82	
IVTIM	031222S 0555203W	UZ12, UZ24	
JAUNT	292646S 0513501W	R563	

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1	2	3	4
JOBER	005647S 0370253W	UN741	
JULIA	091238S 0680811W	A301, Z24	
KABEG	223302S 0543629W	UM403	
KABOP	064741S 0400906W	UM654, UP527	
KADAG	115548S 0465451W	UZ2, UZ84	
KADOR	185537S 0424652W	UZ14, UZ40	
KADOT	024335S 0433517W	UZ81	
KAGID	224848S 0514627W	Z85	
KAKOB	215235S 0403258W	KZ183, KZ187	
KALOP	203819S 0441023W	UM409, UZ14, Z52	
KALUK	202452S 0412134W	UZ29	
KALUN	102210S 0425504W	UZ9	
KAMIL	253514S 0534558W	UM548, UZ28, W34	
KAMOX	031921N 0604346W	UM402, UM423	
KARAZ	003516N 0592306W	UL322, UM423	
KEKAR	294444S 0525652W	Z23	
KETUD	272847S 0500728W	UZ75, Z91	
KETUK	095623S 0391746W	UZ29, UZ79	
KETUL	170403S 0490755W	UM403, UZ31, Z82	
KEVAD	020315S 0482811W	UZ26	
KEVOP	164651S 0475553W	Z64, Z7	
KEVOS	211754S 0413244W	UN401, UZ29	
KEVUN	232747S 0445706W	UZ171, Z11	
KEXEL	294802S 0525713W	W18	
KEXIT	203501S 0472257W	UZ26, UZ46, Z7	
KIBAP	204737S 0443416W	UZ23, UZ24, Z1, Z47	
KIBEG	080742S 0343842W	UN857	
KIBOG	252151S 0491912W	W48, Z7	
KIBOT	162305S 0555356W	UM549	
KIBUP	003314S 0652429W	UL793, UP527	
KIDEN	113513S 0370231W	UZ42	
KIDIG	234043S 0423113W	UM661	
KIDUT	071814S 0435419W	UZ41, UZ5	
KIGEP	153711S 0563439W	UM549	
KIGER	012147S 0604806W	UL306, UM409, UZ6	
KIGES	230356S 0474358W	UZ58	
KIGIL	201750S 0542451W	UM411, UM544, W29	
KIGOK	200307S 0421206W	UZ1, UZ35	
KIGUK	054944S 0373859W	UM791	
KIGUV	222527S 0425421W	UZ4	
KIGUX	022235S 0600737W	UM402	
KIKAT	195135S 0393224W	UM661, UN548	
KIKET	101041S 0432403W	UZ60, UZ9	
KIKOM	005938S 0600511W	UL304, UL306	
KILAB	093214S 0450008W	UZ5, UZ9	
KILES	063357S 0382846W	UZ19, UZ7	
KILOL	113050S 0651627W	M653	

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1	2	3	4
KIMIK	293204S 0565329W	UM402	
KIMOK	072013S 0364708W	UP527	
KIMUR	064832S 0374552W	UN866, UZ7	
KIMUV	274027S 0502841W	Z7	
KNAVE	225044S 0492809W	UM415, UM654	
KODOS	011211N 0261301W	UL206	
KODSU	021831S 0482759W	UZ26, UZ41	
KOGDI	154017S 0485648W	UZ76	
KOGDU	132416S 0571140W	UZ76, UZ82	
KOGLA	115520S 0613455W	UZ76	
KOGLU	110646S 0635443W	UZ76	
KOGMI	152812S 0582255W	UM668	
KOGNI	050835S 0455420W	UM799, UZ41	
KOGRO	030342S 0592325W	UZ12	
KOGVA	110017S 0581202W	UZ40	
KOGVI	085756S 0631614W	UZ40	
KOGVU	003809S 0495002W	UZ41, UZ7, Z72	
KOKBA	014458S 0485531W	UZ41	
KOKBO	061816S 0444748W	UZ41	
KOKDI	001552N 0533624W	UL576	
KOKDO	035450S 0513259W	UL576	
KOKLI	155230S 0552635W	UZ8	
KOKMU	032014S 0592732W	UZ9	
KOKNI	080658S 0492728W	UL576	
KOKPA	034222S 0595931W	UM402	
KOKRU	022548S 0601928W	UZ6	
KOKSU	192238S 0431858W	Z12	
KOLBA	125420S 0470958W	UL576, UZ2	
KOLBI	240637S 0444220W	UM400	
KOLBU	231319S 0472602W	Z41	
KOLDA	152611S 0470825W	Z15	
KOLDU	243717S 0490957W	UZ28	
KOLNA	260833S 0540554W	R563, UL216	
KOLTU	211414S 0441726W	UZ24, Z1, Z43	
KOMBO	200157S 0450313W	Z1, Z73	
KOMDA	205430S 0400637W	KZ159, KZ182	
KOMDU	194344S 0404405W	UZ32	
KOMLA	041728S 0444205W	UZ2	
KOMLU	194505S 0473027W	UZ26, W31, Z7	
KOMTO	210834S 0474634W	Z43, Z55, Z73, Z82	
KONKI	110326S 0551315W	UL304, UL540, UM417	
KONKU	281701S 0521758W	UZ68	
KONSA	214841S 0395610W	KZ120	
KONVA	021316S 0620457W	UL306, UP527	
KONVI	224105S 0461034W	UZ23, Z47	
KOPDU	012339N 0294232W	UL375, UL695, UN857	
KOPKI	061746S 0362738W	UZ78, UZ81	

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1	2	3	4
KOPLU	062348S 0365729W	UM791, UZ94	
KOPTO	104947S 0404233W	UZ41, UZ79	
KORGU	292852S 0503312W	Z4	
KORKA	143523S 0401054W	UZ21, UZ29	
KORMU	173135S 0455313W	UZ33, Z63	
KORNI	035407S 0643606W	UL306	
KORPO	101648S 0553419W	Z86	
KORVO	125039S 0492123W	UL452, UZ84	
KOSTU	070950S 0375534W	UN866, UP527, UZ94	
KOTEG	224125S 0511710W	W48	
KOTIL	255032S 0494919W	Z21	
KOTLO	042143S 0485749W	Z72	
KOTOM	033211S 0664901W	UL309, UM549	
KOTRO	102017S 0414803W	UM654, UZ94	
KOTRU	220957S 0470822W	Z7, Z82	
KOTUV	170315S 0521014W	UZ8, UZ87	
KOVAX	184925S 0493459W	UM423, UM532	
KOVES	242725S 0524319W	UL301, UZ65	
KOVGO	231832S 0431615W	UN857, UZ45, Z35, Z4	
KOVKO	110618S 0651856W	M653	
KOVTI	053140S 0482523W	UZ26	
KOXAG	250835S 0465844W	UM400, UM540, UM548, Z21, Z47	
KOXAL	192008S 0550112W	A430, UZ63, Z85	
KUBID	030404S 0591304W	UM409, UZ12	
KUBLO	262015S 0475518W	UM540	
KUBMA	251749S 0511108W	UM654, UZ161	
KUBNO	073548S 0382715W	UZ19	
KUBTA	043041S 0524620W	UL776, UP527	
KUBTI	033254S 0464531W	UL540, UZ12	
KUDRI	234746S 0523217W	Z59	
KUDSO	041131S 0495749W	UZ91	
KUDUR	062304S 0711016W	UM527, UM784	
KUDUX	251328S 0535256W	Z31, Z5	
KUGEL	033030S 0475716W	UZ12, UZ3	
KUGIK	272625S 0502600W	UZ75	
KUGIL	125952S 0572933W	UL540, UZ82	
KUGOL	112734S 0625525W	UL793, UZ76	
KUGRO	030331S 0285325W	UL206	
KUGSA	192234S 0483127W	Z64, Z82	
KUKAR	040204S 0644803W	UL306, UP793	
KUKES	090045S 0371546W	UZ59	
KUKOL	164123S 0482654W	UM532, UZ5	
KULAB	025117S 0582951W	UZ81	
KULEP	083216S 0332233W	UM661	
KULER	005259S 0523610W	Z62, Z81	
KUMEB	275058S 0301217W	UL224	
KUMIB	152751S 0410711W	UZ1, UZ80	

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1	2	3	4
KUMIX	052430N 0605517W	UM402	
KUMOS	004630S 0593944W	UL306, UL322	
LANCE	062604S 0662025W	UL655	
LAUPO	030414S 0592734W	Z54	
LEMIS	042948S 0482613W	UZ26	
LIBEC	111727S 0481756W	UZ26, Z84	
LITOK	221702S 0555130W	Z34	
LITRE	170810S 0502925W	UL795, UM423, UM668	
LITUP	085809S 0721725W	UL300	
LITUR	074808S 0475648W	UM799, UZ25	
LIVAM	193128S 0391928W	UM661, UN401	
LIVOD	215151S 0405513W	UM661, UZ50	
LIVOT	035251S 0643411W	UL306	
LIVUG	021616S 0384341W	UZ19	
LIVUT	115337S 0455709W	UZ3, UZ51	
LIXAM	061124S 0362010W	UZ72	
LIXIP	031658S 0601532W	UZ74	
LIXON	011407N 0470315W	UZ54	
LOBAL	060131S 0704803W	UM527, UN420	
LOBEX	032315S 0592127W	UM417, UZ9	
LOBIK	224612S 0413527W	UL340, UM661	
LOBIM	115247S 0393935W	UZ29, UZ72	
LOBON	151551S 0603519W	UL216	
LODID	251217S 0495708W	UZ176, UZ5	
LODIL	105816S 0615740W	UL322, UZ52	
LODIX	251057S 0495846W	UZ96	
LODOG	233244S 0452021W	Z11	
LODOK	003958S 0574717W	UZ24	
LODOT	134340S 0404616W	UZ1, UZ17, UZ72, Z9	
LODOV	171240S 0500029W	UM668, Z15	
LODUV	162240S 0484850W	UM668, Z15	
LOGAP	155740S 0540748W	UL201, UM799	
LOGES	201239S 0393439W	KZ157, KZ171	
LOGIP	272317S 0475552W	UN857, Z4	
LOKAM	230715S 0465514W	UZ85	
LOKAR	213359S 0482708W	Z65	
LOKEL	111518S 0552705W	UL540, UZ87	
LOKEX	170914S 0435117W	Z36	
LOKIM	112000S 0150000W	UL375	
LOKIP	240835S 0464559W	UZ45, UZ92	
LOKIV	302224S 0521714W	UM534, UZ131	
LOLAL	192431S 0415330W	UZ10, UZ40	
LOLER	044206N 0605117W	UM402	
LOLET	035412S 0382040W	UN741	
LOLIP	123858S 0391442W	UZ19, UZ30	
LOLIR	091013S 0543259W	UM423, UZ6	
LOLOB	002617S 0602019W	UL304, UM402	

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1	2	3	4
LOLON	110751S 0625936W	UL793, UZ98	
LOMAB	142700S 0422806W	UZ17, UZ88	
LOMAK	060608S 0394958W	UM654, UZ7	
LOMIB	254127S 0493005W	Z21, Z7	
LOMIG	004021S 0651044W	UM527, UP527	
LOMOR	170807S 0413028W	UZ1	
LOMUT	284951S 0504132W	Z91	
LOMUV	215711S 0414106W	UL206, UZ29	
LONAT	112717S 0401633W	UZ1, UZ9	
LONEB	132705S 0465436W	UL576, UZ51	
LUIZA	015848S 0484703W	UZ91, Z28	
LUSUK	030519S 0604722W	UM665, Z54	
LUTNU	282403S 0553452W	UL310, UL324, UZ71	
LUTPA	004748S 0480932W	UZ54	
LUTVI	221758S 0501016W	Z14	
LUVLU	130454S 0613343W	A430	
LUVNU	070649S 0513203W	UL776, UZ91	
LUVRA	223152S 0405720W	KZ123, KZ133	
LUVTI	140304S 0551216W	UM656, UZ76	
MABGO	215514S 0481939W	Z31, Z65	
MABKI	095214S 0535050W	UL540, UZ6	
MABMA	164233S 0530603W	UM668, UZ8	
MABSI	205406S 0403403W	UZ44, Z35	
MADBO	274142S 0525649W	UL216, UM654	
MADNI	243627S 0470033W	UZ92	
MAGDA	154151S 0552520W	Z15	
MAGNA	275534S 0524622W	R563	
MAGNU	221139S 0484714W	UM654	
MAKIT	220713S 0403311W	KZ119, KZ127, KZ140, KZ150	
MAKMI	031722S 0405318W	UZ51, UZ81	
MAKPO	270524S 0532400W	UL216, UZ71	
MALBU	222358S 0393957W	KZ121	
MALEV	070904S 0333957W	UZ14	
MALMO	210442S 0442330W	UZ24, Z1	
MALPU	025649S 0591920W	UM409, UZ81	
MALVI	305341S 0521825W	UN857	
MAMGI	034514S 0583716W	UM409, UZ9	
MAMKA	223551S 0394408W	KZ124	
MAMSU	225834S 0395753W	KZ126	
MANDO	222722S 0405401W	KZ124, KZ136, KZ143	
MANLO	234750S 0452430W	Z35	
MANLU	101626S 0411308W	UZ78	
MANSI	150927S 0532839W	UM799, UP793	
MAPMA	215629S 0393719W	KZ119	
MAPRO	222244S 0403458W	KZ121, KZ129, KZ142	
MAPSI	294508S 0512406W	UL216	
MAPVI	184055S 0484834W	Z82	

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1	2	3	4
MARBA	220927S 0393825W	KZ122	
MASGA	230529S 0400544W	KZ125	
MASON	073321S 0651316W	UL655, UZ62	
MASPI	224101S 0404835W	KZ126, KZ136	
MASVA	093717S 0482204W	UZ26	
MASVO	154832S 0531913W	Z15	
MASVU	020239S 0522806W	UL576, UZ81	
MATGU	302950S 0523950W	UM534, UZ121	
MATMO	124905S 0545002W	UZ91	
MATNA	094319S 0561819W	UZ33, UZ87	
MAVBO	204439S 0445812W	UZ21, UZ6, Z18, Z2	
MAVGU	212720S 0440859W	UZ24, UZ3, Z1, Z32	
MAVKO	050000N 0400000W	UZ55	
MAVNO	082113S 0491757W	Z28, Z72	
MAZAR	272316S 0505025W	UZ75, UZ96	
MEBDA	222923S 0403742W	KZ124, KZ134	
MEBGA	222510S 0440656W	Z55	
MEBLO	090800S 0401807W	UZ94	
MEBNU	003013N 0395559W	UZ5	
MEDIT	110741S 0361411W	UN857	
MELEM	090948S 0214119W	UN548	
MEVIK	201643S 0484652W	UM423, UZ5	
MEVUT	221505S 0481237W	Z65	
MEXAP	210307S 0444606W	UZ23, UZ6, Z2, Z47	
MEXAR	085305S 0351634W	UZ14	
MEXEP	202128S 0541442W	UM411	
MIBAB	023653S 0624016W	UL306	
MICRO	044213S 0432311W	UZ7	
MIGIG	220343S 0424136W	UN401, UZ1, Z10	
MIGUP	083154S 0370542W	UZ73, UZ79	
MIKEM	211846S 0410704W	UL206, UZ49	
MILED	201051S 0405952W	UZ35, Z48	
MILIG	231455S 0401504W	KZ128	
MILIX	152000S 0484639W	Z86	
MILOB	024815N 0614841W	UL304, UM527	
MILOG	223517S 0404210W	KZ123, KZ131, KZ139	
MIMIP	193153S 0445255W	UL795, UM409, UZ30, UZ8, Z52, Z92	
MIMIR	204828S 0404029W	UL206	
MIMOP	214441S 0475718W	UM423, UM654	
MIMUM	063112S 0622553W	UP793, UZ74	
MINIG	190809S 0390555W	UL330, UM661	
MINOD	221434S 0403411W	KZ122, KZ132	
MINUB	214234S 0393542W	KZ120	
MINUG	040123S 0590140W	UL795, UM417	
MINUX	220235S 0434606W	UZ24, Z1	
MIPAD	143345S 0533736W	UZ76, UZ87	

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1	2	3	4
MOLDA	224352S 0405437W	KZ125, KZ133	
MOLKI	222205S 0405933W	KZ121, KZ133	
MOLSU	215023S 0421217W	UN401, UN857, UZ47, UZ49, Z10	
MOLTI	162317S 0471434W	UL776, UM409, UZ17, UZ33, UZ40, Z3, Z63, Z9	
MOLVA	215718S 0453220W	Z47, Z55	
MOMDA	211047S 0450055W	Z43	
MOMDO	093906S 0480949W	Z84	
MOMSA	221601S 0405031W	KZ122, KZ134, KZ143	
MOMSO	103056S 0510512W	UP535, UZ24	
MONGU	221041S 0405143W	KZ119, KZ129	
MOPIM	174702S 0500832W	UL795, UM423, UP793, UZ8	
MOPKA	224556S 0514203W	UM532	
MOPKO	030057N 0603442W	UM423	
MOPLI	024604S 0574411W	UM423, UZ81	
MOPNO	034251N 0454213W	UZ54	
MOPRA	071657S 0553259W	UM409	
MORDA	204656S 0503855W	UM532, UZ82	
MORDU	005858S 0475646W	UZ55	
MORPO	050228S 0543925W	UZ24	
MORVU	065413S 0392930W	UP527, UZ1, UZ61	
MOSMU	111111S 0382154W	UZ19	
MOSNA	150440S 0513425W	UL795, UM423, UZ76	
MOSRI	001433N 0461929W	UZ55	
MOSTI	184340S 0430836W	Z18, Z3	
MOTBO	154006S 0411001W	UZ1	
MOTBU	054613N 0355956W	UL375, UL695, UZ51	
MOTGI	265644S 0530959W	UZ71, UZ83	
MOTLO	222443S 0465055W	Z82	
MOTMA	195126S 0444027W	Z52, Z73	
MOTSU	210019S 0471905W	Z7, Z73	
MOVGA	074000N 0350000W	UM799, UZ51	
MOVSI	201143S 0451955W	Z2, Z73	
MOXOX	212726S 0394150W	KZ184	
MOXUG	034805S 0494317W	Z28	
MUBAP	133752S 0421051W	UZ19, UZ88, Z8	
MUBGA	070645S 0365159W	UZ7, UZ72	
MUBKI	233856S 0470357W	UM415, Z35	
MUBOL	191551S 0443910W	UZ30, UZ35, Z12	
MUBUT	135719S 0553001W	UZ76, UZ91	
MUBUV	042330S 0583222W	UL304, UL795	
MUDAB	124352S 0621619W	UL322, UM775	
MUDAR	081241S 0363558W	UZ79	
MUDBI	155058S 0474823W	UM409, UZ33, UZ38, UZ40	
MUDER	034228S 0641835W	UL306	
MUDKA	213420S 0433431W	UM409, Z43, Z52	
MUDOG	221147S 0405735W	KZ119, KZ131	

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1	2	3	4
MUDRU	214444S 0460744W	Z55	
MUDSA	183110S 0384358W	UM661	
MUDSI	090321S 0350150W	UN857, UZ11	
MUDUX	232648S 0463744W	Z5	
MUGAV	113717S 0420726W	Z36	
MUGDI	034117S 0420503W	UZ12, UZ5	
MUGED	031855S 0634313W	UL306	
MUGEX	220421S 0404922W	KZ120, KZ127, KZ143	
MUGOM	060333S 0442403W	UP527	
MUGRA	194434S 0442602W	W31, Z48, Z73	
MUGTU	201527S 0510715W	UZ82	
MUGUR	111344S 0412056W	UZ79, UZ88	
MUGVI	101319S 0490228W	UL462	
MUKDI	193607S 0433906W	Z12, Z47, Z73	
MUKEK	201548S 0352505W	UZ45	
MUKNU	210910S 0471754W	Z43, Z7	
MUKSA	095813S 0540839W	UL795, UM423	
MULBU	142251S 0452100W	UZ3	
MULEM	261037S 0485851W	W48	
MULIP	022953S 0671210W	UM527, UZ33	
MULUK	011404S 0530622W	Z62	
MULUV	162611S 0473320W	UZ2, UZ24, UZ38, UZ6, Z1, Z12, Z2	
MUMAG	045228S 0421105W	UZ66	
MUMBI	040200S 0383203W	UZ12, UZ19	
MUMEB	300513S 0514702W	UM418	
MUNAD	145013S 0433541W	Z36	
MUNAT	221251S 0410320W	KZ119, KZ138	
MUNEB	083243S 0712753W	UM776	
MUNEX	165451S 0552531W	UM549	
MUNIR	080535S 0372602W	UZ72, UZ84	
MUNIS	012910S 0562351W	Z45	
MUNOK	122521S 0462956W	UZ5	
MUNOP	014632S 0545831W	Z16	
MUPAT	004514N 0505755W	UZ41	
MUPEG	081532S 0633547W	UL793, UZ74	
MUPIV	165042S 0521736W	UM668, UZ87	
NACRE	295457S 0515537W	W18	
NANDU	141502S 0440640W	UZ19, UZ4, Z8	
NANIK	062030N 0331020W	UN741	
NAXOP	233055S 0440925W	UZ45, Z35	
NAXOT	014459S 0475514W	UZ7	
NAXOV	155056S 0384539W	UN857	
NAXUN	133313S 0415637W	UZ19, UZ61, Z8	
NEBAK	230126S 0460720W	Z82	
NEBAL	172627S 0501940W	UL795, UM423, UM544	
NEBED	060113S 0611640W	UZ33	

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1	2	3	4
NEBIX	143713S 0451730W	UZ19, Z8	
NECTO	131919S 0453630W	UZ18, UZ3, UZ94	
NEDOK	171238S 0550929W	UM549, UM799	
NEGRO	191932S 0570224W	UZ42, Z22	
NEKAK	044405S 0655125W	UL306, UM549	
NEKAL	054534S 0390446W	UZ61, UZ77	
NELOX	295946S 0510955W	A309, UL216, UM418, UM424, UM534, UN857, UZ53, Z4, Z7	
NELUP	255004S 0534910W	UZ83	
NEMEL	072422S 0552613W	UM409, UM423	
NEMUT	205100S 0401053W	UM661, UZ49	
NENIP	020454N 0424844W	UZ56	
NESMI	272457S 0503729W	UZ5, UZ75	
NETBA	135340S 0454402W	UZ78, UZ79	
NETBO	242344S 0522812W	UL301, UM532	
NETBU	120952S 0605303W	UZ52, UZ76	
NEURA	005611S 0305451W	UN857	
NEVDU	021108N 0603725W	G678	
NEVKU	220557S 0500440W	UZ42, Z22	
NEVLI	021125S 0532157W	UZ38	
NEVNO	292639S 0485521W	UM661	
NIBMI	152625S 0584247W	UM402, UM668	
NIBRU	233423S 0452808W	UZ171, Z11	
NIBSA	153127S 0450409W	UZ3	
NIDKI	212809S 0515829W	Z22	
NIGBI	291641S 0514426W	UL216, UZ121, UZ131	
NIGBO	035813S 0385227W	UZ12, UZ18	
NIGMA	211112S 0445257W	UZ23, Z43, Z47	
NIGRA	210341S 0490538W	Z65	
NIGTU	085104S 0384152W	UN866, UZ77	
NIGVA	111233S 0651818W	A430, M653	
NIKDO	224015S 0415934W	UZ44, Z35	
NIKNI	223808S 0472428W	UL304, UM417, UM423	
NIKNO	065131S 0394557W	UN741, UP527	
NILBO	134026S 0452144W	UZ79	
NILSU	205436S 0485607W	Z55	
NIMBI	193333S 0422917W	UZ16	
NIMRI	005723N 0452249W	UM791, UZ55	
NINDI	193048S 0454606W	UZ6, W31, Z2, Z48	
NIPDA	193923S 0430701W	UZ34, UZ57, Z73	
NIPNU	240027S 0501621W	UM654, UZ152, Z5	
NIRDA	265659S 0521435W	Z21	
NIRKU	274853S 0470042W	UM661	
NIRNA	031833S 0532025W	UL776, UZ12	
NIRTO	193553S 0462224W	W31, Z6	
NISBU	042139S 0330619W	W40	
NISDI	190058S 0573952W	Z22, Z34	

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1	2	3	4
NISKI	022817N 0544132W	UL306, UL576	
NISLA	062230S 0510807W	UL462, UZ91	
NISNI	194439S 0461851W	UM654, UN741, UZ38	
NISNO	023024S 0412902W	UM791, UZ5	
NISRU	032432S 0375915W	UZ18	
NITGI	172408S 0450127W	UL462, UL576, UM654, UN741, UZ32	
NITGO	261633S 0495041W	Z7	
NITLU	203033S 0440350W	UZ14, UZ16, UZ3, Z32	
NOBEL	284927S 0520505W	R563, UL216, UM792, UZ83	
NOVOI	094826S 0481240W	Z84	
NUPAR	023304S 0552819W	Z54	
NUVUG	021558S 0534955W	UL776, UZ81	
NUXAL	214502S 0521450W	Z14	
NUXEL	221659S 0454919W	UZ23, Z47	
NUXIG	195727S 0393910W	KZ155, KZ161	
NUXOD	054424S 0491043W	UL540	
NUXOG	034140S 0664125W	UM549, UM665	
NUXUG	193253S 0531901W	W29, W48	
NUXUM	090806S 0725723W	UL306	
OBDAR	024437S 0672702W	UM527, UM549	
OBDEP	030942S 0555348W	UZ24	
OBDOL	065803S 0390611W	UP527, UZ77	
OBDUV	165233S 0415619W	UZ21	
OBEBA	065628S 0624250W	UL201, UZ74	
OBGAP	022548N 0432541W	UZ55	
OBGAR	183049S 0433252W	UZ40, Z3	
OBGAT	114502S 0551258W	UZ87	
OBGIP	103941S 0405149W	UZ41, UZ61	
OBGUV	185442S 0522356W	UM544, UZ82	
OBGUX	013157N 0553707W	UL776	
OBKAD	004958S 0310511W	B623, UB623	
OBKAR	123115S 0425012W	UM654, UZ59	
OBKAV	122214S 0550210W	UZ40	
OBKIK	141328S 0580350W	Z15	
OBKIL	003018N 0700216W	UM549	
OBKOL	193955S 0351008W	UZ48	
OBKUT	032550N 0323706W	UL375, UL695, UN866	
OBLAT	195949S 0382944W	UZ49	
OBLAV	181311S 0482031W	UZ46	
OBLAX	095458S 0364459W	UZ21	
OBLEV	030148S 0420851W	UZ81	
OBLIS	025836S 0654856W	UP793, UZ33	
OBLUG	223635S 0482734W	UZ42, UZ87, Z22	
OBMAV	233005S 0473626W	Z7	
OBMIS	054539S 0371720W	UN866, UZ70	
OBMIV	145203S 0550348W	UL201, UZ84	

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1	2	3	4
OGDUP	054228S 0462143W	UP527	
OGLAM	081949S 0642636W	UL655	
OGLAN	123403S 0451507W	UZ18, UZ60	
OGMAB	251657S 0500104W	UZ161, UZ96	
OGMUG	155522S 0460336W	UL462, UZ17, Z9	
OGMUK	213424S 0440425W	UZ24, Z1	
OGMUX	240436S 0502807W	UZ152, UZ63, Z5	
OGNAB	011219S 0602946W	UL306, UM417	
OGNAV	202739S 0423540W	UZ10	
OGNIS	221325S 0402119W	KZ122	
OGNON	014702S 0445002W	UL540	
OGPER	053104S 0344219W	W40	
OGPUN	181857S 0421737W	UZ14	
OGRAD	184719S 0441449W	UL576, UZ3, UZ30	
OGROR	225424S 0461559W	Z47, Z82	
OGRUN	320343S 0535034W	UN857, UZ121	
OGSOO	195122S 0435028W	UZ23, UZ35, Z47, Z48	
OGTIT	111226S 0574455W	UP793, UZ40	
OGVAL	110629S 0410144W	UZ61, UZ9	
OGVIK	251513S 0484215W	UZ121, Z56	
OGVOT	191806S 0480130W	UZ25, Z41	
OLEAR	201836S 0453327W	UZ30, Z73, Z92	
ONSEK	105228S 0285431W	UN401	
OPGOL	164940S 0463406W	UZ33, UZ40, Z3, Z63	
OPKEB	250402S 0493515W	UZ63	
OPKIL	181200S 0485422W	UL795, UZ31, UZ8, Z82	
OPKIR	130654S 0454849W	Z63	
OPKON	051804S 0672750W	UL655	
OPKUD	010214S 0475434W	UZ56	
OPKUM	064248S 0641540W	UM549, UZ62	
OPLAK	095112S 0390936W	UN866, UZ79	
OPLAM	143330S 0540955W	UP793, UZ84	
OPLEB	093112S 0382424W	Z15, Z9	
OPLEM	215155S 0504729W	UM549, UZ42, Z22	
OPLEV	194529S 0420734W	UZ1, UZ10, UZ34	
OPLIK	152838S 0494922W	UZ76	
OPLIP	023556S 0561600W	UZ24, UZ81	
OPLOG	051707S 0484021W	UL540, UP527	
OPLOX	195138S 0410200W	UN857, UZ34, UZ40, Z3, Z73	
OPLUT	185138S 0425413W	Z3, Z47	
OPMAN	233631S 0490949W	UZ152	
OPMED	233956S 0520723W	UM532	
OPMET	094852S 0413317W	UM654, UZ84	
OPMIR	233325S 0505525W	UZ63	
OPMOB	121710S 0543120W	UL304, UM417, UZ91	
OPMUD	085819S 0371234W	UZ59, UZ73	
OPMUS	122725S 0544847W	UZ40, UZ87	

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1	2	3	4
OPNAD	243351S 0515244W	UZ152, Z5	
OPNAX	134834S 0490914W	UZ24	
OPNID	134315S 0453042W	UZ3, UZ78	
OPNUP	094108S 0483910W	UL576, Z72	
OPNUR	040716S 0394004W	UM791, UZ66	
OPNUS	214726S 0480221W	UL304, UM417, UM654, UM775	
OPRAS	145530S 0433619W	Z36, Z9	
OPREG	025915S 0593914W	UZ81	
OPREM	000146N 0461005W	UZ56	
OPREP	192011S 0420147W	UZ1, UZ40	
OPRIM	260107S 0484600W	UZ93	
OPRIN	141242S 0463305W	UL576, UZ60	
OPROM	184514S 0471246W	UL795, UZ2, UZ8, Z5	
OPROR	302647S 0514459W	UN857	
OPROV	190102S 0415707W	UZ1, UZ32	
OPRUV	232851S 0520209W	UM532, UZ176	
OPSAK	035559S 0390427W	UZ12, UZ66	
OPSAS	214221S 0524607W	UM415	
OPSIN	212333S 0511507W	UM549	
OPSOG	201155S 0544120W	UM411	
OPSUT	020519S 0524435W	UZ81	
OPTEB	182315S 0430750W	UZ21, UZ32, UZ72	
OPTIB	271310S 0501942W	UZ132	
OPTUR	091346S 0363857W	UZ30	
OPTUS	020940N 0551006W	UL306, UL462, UZ38	
OPURO	055004S 0692113W	Z24, Z26	
OPUTI	083846S 0384431W	UZ77, UZ84	
OPVAR	060640S 0363651W	UZ81, UZ94	
OPVET	011859N 0412745W	UL540	
OPVIG	203510S 0405244W	UZ95	
OPVUL	053550S 0504301W	UL576, UZ91	
ORARO	021450N 0305522W	UL375, UL695, UN873	
ORATO	301923S 0515009W	A314	
ORBAD	040943S 0441323W	UZ4, UZ7	
ORBAM	211347S 0531412W	Z14	
OREGI	141437S 0585828W	UL540, UZ52	
ORETI	175250S 0444527W	UL576, UZ40, Z3	
OREXO	030342S 0602353W	UM665	
ORIBA	142157S 0533640W	UZ84	
ORIPU	092234S 0382436W	UZ19, UZ79	
ORIRO	050358S 0482546W	UL540, UZ26	
OROBI	253452S 0510114W	UM548, UZ71	
OROPA	142128S 0421456W	UZ17, UZ61	
OROVO	044005S 0515651W	UL462, UP527	
ORUGA	271103S 0554808W	N785	
ORUGI	183240S 0425027W	UZ23, UZ32	
ORUSU	083752S 0424244W	UZ18	

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1	2	3	4
ORUTA	044204S 0364817W	UN866, UZ86	
OSAGU	175444S 0410017W	UZ10, UZ57	
OSARO	010516S 0601604W	UL306, UM402	
OSATU	085411S 0643224W	UZ74	
OSELA	190650S 0510613W	UL201, UM403	
OSENI	135510S 0382841W	Z35	
OSIPA	194212S 0423953W	UZ16, UZ34	
OSIRA	025119S 0420513W	Z9	
OSITA	262417S 0550953W	UN785	
OSITI	034914S 0394039W	UZ12	
OSOBO	211255S 0443001W	Z43	
OSONA	012934S 0425346W	UM799	
OSORA	054258S 0725634W	UL300	
OSUNO	172600S 0395608W	UZ16	
OTONI	023959N 0523002W	UG449, UZ41	
PABAK	030326S 0593144W	UM417, UZ12	
PABES	180621S 0434012W	UZ30, UZ32, UZ4, UZ88	
PABEX	174748S 0570537W	Z34	
PABIN	174736S 0481144W	UZ25, Z41	
PABIR	025516N 0315311W	UL375, UL695	
PABUM	150435S 0485611W	UZ6, UZ98	
PABUT	215358S 0384048W	UM400	
PACAI	022802S 0503946W	Z45	
PADAN	182046S 0435221W	UZ30, UZ40	
PADIL	122625S 0481603W	UZ26, UZ84	
PADUL	263819S 0513256W	Z21	
PAFIM	095230S 0413500W	UM654, UZ41	
PAGEB	070920S 0504543W	UL462, UL540, UZ9	
PAGIG	215845S 0434835W	UZ24, Z1	
PAGIT	042544S 0451932W	UM799	
PAGUS	134214S 0601637W	A430, UM775	
PAJAM	280619S 0485750W	Z4	
PAJEM	161431S 0483556W	Z15	
PAKAR	204402S 0254106W	UL340	
PAKAT	213955S 0502539W	UM411	
PAKEM	074747S 0611327W	UL322, UP793	
PAKIB	211447S 0440751W	Z32, Z43	
PAKON	042852N 0611803W	UM423	
PALCA	220556S 0490518W	UM411, UZ5, UZ87	
PALEL	292805S 0511051W	UM424, UZ38	
PALEP	115335S 0561158W	UL540, UZ40	
PALIG	081700S 0382614W	UN866, UZ19	
PALOX	251249S 0525152W	UM532	
PALUD	072433S 0382728W	UZ19, Z9	
PAMEB	071654S 0561650W	UL795, UZ6	
PAMEG	223945S 0413039W	UM400, UM661	
PAMEL	255704S 0485215W	UM400, UZ63	

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1	2	3	4
PAMEN	055805S 0533239W	UP535, UZ9	
PAMEO	165440S 0485910W	UM403, UZ46	
PAMOT	100941S 0554332W	UM417, UZ33	
PAMOV	110416S 0501934W	UL452, UM799	
PAMOX	160725S 0372459W	UL206, UM661	
PAMUB	061413S 0432309W	UP527, UZ5	
PAMUG	302311S 0515802W	A314	
PAMUS	225033S 0514412W	UM532, UZ63, Z85	
PAMUX	032915S 0603743W	UZ62	
PANAB	193934S 0503432W	UL201, UZ87	
PANAD	025351S 0414344W	Z63, Z9	
PANAS	191628S 0420823W	UZ16	
PANIR	271523S 0483949W	W48	
PANOK	150946S 0472646W	Z63	
PANOP	194319S 0484409W	Z64	
PANUP	023928S 0435451W	UM799, UZ81	
PAPAK	175122S 0460128W	UM409, Z52	
PAPAL	130417S 0402905W	Z8	
PAPAN	175052S 0552758W	A430, UZ52, UZ63, Z85	
PAPEL	042907S 0430928W	UZ20, Z81	
PAPES	142929S 0495656W	Z86	
PAPIG	025640S 0460555W	UL540, UZ7	
PAPIP	243548S 0504112W	UM654, UZ176	
PAPOB	100300S 0405646W	UZ78, UZ88	
PENSO	280247S 0504919W	UZ121, UZ132, UZ5, Z56	
PENTE	185753S 0440001W	Z36	
PERSA	060420S 0633203W	UL201, UZ62	
PETCO	224149S 0463057W	Z18, Z82	
PICOM	032434N 0601902W	B681, UB681	
PINUP	073053S 0630547W	UZ74	
PIRES	024104S 0480923W	UZ25, UZ3, UZ41	
POLVO	183522S 0383114W	UL330	
POPKU	283320S 0553852W	UL324, UM400	
POPNO	085534S 0422644W	UZ41	
POPSO	043837S 0462818W	W22	
POPTU	202134S 0492212W	Z65	
PORMU	004134N 0450503W	UM791, UZ56	
PORNA	233222S 0441533W	Z35	
PORSA	200639S 0431749W	UZ16, UZ4	
POSKA	050623S 0724843W	UM776	
POSKU	170156S 0510846W	UM668, UP793	
POSMU	184529S 0422653W	UZ32	
POSNO	255301S 0484234W	UM400	
POSPI	012131S 0424644W	UM791, UM799	
POTLA	205440S 0540815W	Z85	
POVDI	303847S 0530720W	UM534, UM792	
POVLA	041037N 0622613W	UL304, UZ24	

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1	2	3	4
POVNI	161205S 0554239W	W48	
POVPO	043318S 0410647W	UZ66	
POXEV	301921S 0532713W	UM418	
POXUL	100232S 0412551W	UZ41, UZ94	
POXUM	025400N 0614310W	UM527	
PRIMA	034733S 0671923W	A566, UM665	
PRONO	083055S 0382553W	UZ19, UZ84	
PUBED	283736S 0521415W	UL216, UN741, UZ83	
PUBIN	092400S 0382435W	Z36, Z9	
PUBIS	260158S 0480157W	UZ92	
PUBOR	041022S 0395011W	UZ66	
PUBSU	102119S 0532331W	UZ6, UZ91	
PUDBU	063342S 0685250W	UL417	
PUDKA	135541S 0533436W	UL304, UM417	
PUDLA	021028S 0415120W	UM791	
PUDON	054752S 0315638W	UM661, UZ14	
PUDVA	202923S 0444615W	UZ21, UZ24, Z1, Z18	
PUDVO	032210S 0514837W	UL576, UZ12	
PUGBU	232344S 0470425W	UZ85	
PUGLO	071325S 0373321W	UP527, UZ78	
PUGOR	213621S 0474201W	UM654	
PUGPA	315517S 0151839W	UL224	
PUGRU	221401S 0435915W	UZ6, Z2	
PUGSA	010448N 0291610W	UL375, UL695, UM661	
PUGUN	001344N 0301842W	UN857	
PUGVA	181826S 0435649W	Z3, Z36	
PUKAK	020910S 0530812W	UL462, UZ81	
PUKLA	222123S 0465451W	Z82	
PUKPU	105230S 0534140W	UL795, UM423, UZ91	
PUKUT	111923S 0553151W	UL540	
PUKVO	125209S 0543450W	UZ87, UZ98	
PULBI	180906S 0540207W	UL655	
PULIX	225425S 0410658W	KZ165	
PULKU	190618S 0422626W	UZ40, UZ57, Z12, Z3	
PULOB	003819S 0433517W	UL540, UM791	
PULRI	090832S 0380241W	UZ72, UZ79	
PULSI	221250S 0401453W	KZ122	
PULSO	214928S 0514056W	W48	
PULUV	143902S 0473926W	UL776, UZ2, UZ25, UZ5, UZ51	
PUMDI	095352S 0411503W	UZ94	
PUMKU	045025S 0532241W	UL452	
PUMLA	183436S 0485056W	Z82	
PUMLI	271003S 0515329W	UM400	
PUMRO	213438S 0513919W	UZ42, UZ52, Z22	
PUMUS	215825S 0482512W	Z31	
PUMVU	251019S 0490830W	UZ132	
PUNEN	012659S 0490828W	Z54	

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1	2	3	4
PUNIL	020244S 0541612W	Z62	
PUNOM	033145N 0344023W	UN741	
PUNTO	253359S 0500334W	UM548, UN741, UZ5, W34	
PUPKI	013403S 0475017W	UZ81, Z81	
PUPKO	302055S 0533831W	UM418, UN741	
RAIRA	153748S 0390557W	Z35	
RAKUD	032432N 0291102W	B623, UB623	
RALYT	190556S 0433243W	Z18	
RATEP	054146S 0355259W	Z35	
RAXEG	230511S 0475736W	UZ58	
RAXEN	293357S 0542737W	Z23	
RAXIT	242514S 0474129W	UZ45, UZ85	
RAXUS	293318S 0511041W	UM424, Z7	
REALY	182419S 0572239W	Z34	
REBAL	020245S 0483514W	Z72	
REBAM	092907S 0404517W	UZ84, UZ88	
REBIL	212255S 0520017W	W48	
REBOB	011718N 0300810W	B623	
REBOX	232423S 0553053W	UM403	
RECIN	133527S 0390235W	UZ23	
REDAD	200812S 0442945W	UM409, UZ21, UZ61, Z18, Z52	
REDOS	235257S 0463132W	Z35, Z47	
REDUP	213854S 0385543W	UZ45	
REGAM	005221S 0435032W	UL540	
REGIL	033652S 0444047W	UM799, UZ12	
REINA	182617S 0453417W	UM409, UM654, UN741, UZ35, Z12, Z52	
REKAS	223607S 0463743W	Z5, Z82	
REKIN	163114S 0392206W	UZ57	
REKOG	231724S 0464030W	UZ38, UZ42	
REKUK	272615S 0502727W	UZ132, UZ75	
RELAB	190846S 0415900W	UZ16	
RELES	002259N 0303229W	UB623	
RELOP	125155S 0385322W	UZ21	
RELUL	221104S 0395535W	KZ122	
REMAM	103426S 0413506W	UN741, UZ78	
REMEK	203759S 0580647W	UM402, UM799	
REPAV	090446S 0525627W	UL540	
RETER	210434S 0545810W	A430, UM544	
RETOL	155106S 0434259W	Z36	
RICAR	064320S 0471019W	UM799, UZ3	
RIDAL	025911S 0551100W	Z16	
ROBAG	204307S 0455457W	UZ30, UZ38, Z6, Z92	
ROBID	195942S 0501309W	UL201, UM532	
RODAD	170545S 0533959W	UM775	
RODIT	044035S 0390140W	UM791	
RODIX	223457S 0412704W	UM661, UZ45	

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1	2	3	4
RODOB	205441S 0540814W	UZ63	
RODUP	304055S 0522817W	UZ131	
RODUS	190325S 0415231W	UZ16, UZ32	
ROGOM	184938S 0154630W	UL340	
ROKAD	230213S 0414724W	UL224	
ROKAS	140508S 0433528W	UM654, UZ19, Z8	
ROKIR	252617S 0525825W	UM532, UZ28	
ROKOR	215249S 0521619W	UM415	
ROLID	033203S 0381051W	UN741, UZ18	
ROLUT	020257S 0664211W	UM527, UP793	
ROMIK	171313S 0484308W	UM532, UZ46	
RONCA	054223S 0430116W	Z63	
RONER	304109S 0203501W	UL224	
RONIP	220143S 0410409W	KZ127, KZ129, KZ130, KZ131, KZ132, KZ133, KZ134, KZ136, KZ138, KZ187, KZ188, KZ189, KZ190, KZ600	
RONUB	062009S 0524115W	UL452, UZ9	
ROPAS	235357S 0441428W	UM400	
ROPIN	104703S 0651651W	Z45	
RORIB	251647S 0495140W	UN741, UZ161, UZ176	
RORIP	180317S 0442602W	UZ3, UZ40, Z3	
ROTAM	014052S 0490432W	Z45	
RUTLE	210437S 0480728W	Z55	
SADOR	095009S 0483445W	Z72	
SAFOK	152049S 0473541W	Z63	
SAFUC	065411S 0350620W	Z35	
SAKSI	005037N 0340226W	UN866	
SALPU	002635N 0315238W	UN873	
SAMGA	190153S 0473645W	UZ26, Z48, Z7	
SAPGO	050000N 0450000W	UZ54	
SAPGU	240010S 0521658W	UM532	
SARBO	075139S 0385440W	UZ29, UZ77	
SARKA	144517S 0544403W	UM656, UZ84	
SARLA	190827S 0414247W	UZ10, UZ32	
SARNU	135518S 0451118W	UZ59	
SARTU	075235S 0365530W	UZ73, UZ84	
SASBU	200930S 0411230W	UN857, UZ35	
SASNI	030543S 0605248W	UM665	
SASPA	222621S 0412041W	UM661	
SATBU	193434S 0405204W	UN857, UZ32	
SATGA	112740S 0454120W	UZ51, UZ84	
SATNA	165916S 0485442W	UZ46, Z48	
SATPU	030229S 0444356W	W22	
SAVBI	174642S 0402032W	UZ42	
SAVIO	022428S 0445252W	UZ81, Z81	

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1	2	3	4
SAVLU	260652S 0491551W	UM400, UZ104, UZ121, UZ141, Z56	
SAVMA	183112S 0461811W	UZ6, Z2	
SAVPU	162744S 0463607W	UZ32	
SAVTO	232719S 0472318W	Z41, Z5	
SEBNO	125717S 0493923W	UZ24, UZ84	
SEDGA	115541S 0590727W	UM402, UZ98	
SEGLI	221742S 0422421W	UN857, UZ50	
SEGNU	225524S 0420417W	KZ139, KZ141, KZ143	
SEGPA	205835S 0460835W	UZ30, Z92	
SEKLI	171753S 0490503W	UZ31, Z82	
SEKLO	300629S 0564758W	UM402	
SEKMI	204141S 0404914W	UN401, Z10	
SEKPO	152920S 0481052W	UM409, UZ25, UZ26, UZ33, UZ40, UZ5, Z7	
SELDO	194125S 0444029W	W31, Z48	
SELMU	171822S 0491311W	Z65	
SELPU	142907S 0433317W	Z36	
SELRO	135927S 0584018W	UL540, UL655	
SEMGI	225804S 0461137W	Z82	
SEMPA	302551S 0521048W	UZ53	
SERGI	251340S 0492635W	UZ63, W48	
SERIM	030727S 0202427W	UN401	
SEVIL	070226S 0355026W	UZ81	
SIAPA	082241S 0353316W	Z15	
SIBUT	171729S 0492046W	UM403	
SIDAK	193821S 0581228W	UL216, UM402, UM415	
SIDIN	120927S 0473053W	UL576, UZ84	
SIDIT	322435S 0524101W	UM661, UZ39	
SIDOP	102230S 0354746W	UN857	
SIDOV	202152S 0475254W	UZ25	
SIDUR	224516S 0441305W	UN401, UZ10, UZ50, Z10, Z32	
SIGAD	213231S 0393619W	KZ183	
SIGAR	240305S 0520719W	UZ65, Z31	
SIGAS	275226S 0542715W	UM532	
SIGAX	125736S 0533005W	UZ40	
SIGEB	073328S 0400619W	UN741, UZ88	
SIGEL	195603S 0431455W	Z48	
SIGEP	031701S 0590150W	UL304, UM409, UP527	
SIGOB	082816S 0732018W	UM527	
SIGUK	295107S 0504802W	UZ39	
SIKIK	250233S 0494021W	UN741, UZ102	
SIKOG	025836S 0593418W	UM417, UZ81	
SIKUD	020301N 0463639W	UM791, UZ54	
SIKUP	031935S 0525338W	UZ12	
SILAD	093002S 0615506W	UM549, UZ40	
SILIC	111039S 0652202W	UM775	

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SILIG	051948S 0482533W	UP527	
SILIS	215409S 0401436W	KZ120	
SILUV	290450S 0513530W	UZ121	
SIMIP	064204S 0690222W	UP525	
SIMUK	013522S 0494246W	UZ81	
SINIL	215636S 0525211W	UZ63, Z85	
SINIM	110020S 0405927W	UZ61, UZ79	
SINIP	163502S 0543824W	UM668, UM775, UM799, UZ82	
SINOL	013014N 0511812W	UG449	
SINOV	071907S 0472717W	Z84	
SINUD	051144S 0360816W	UZ86	
SINUN	023501S 0611231W	UP527	
SIPAK	094520S 0592309W	UM402, UP793	
SIPEP	091311S 0353042W	UZ14	
SIPEV	253404S 0500738W	UM548, UZ96	
SIPIR	102502S 0400308W	UZ1, UZ79	
SIPOR	103024S 0373639W	UZ30, UZ73	
SIPOX	022213S 0601119W	G678	
SIRAP	203722S 0420028W	UZ42	
SIRED	051905S 0345559W	UN873	
SIREL	203422S 0395853W	UM661	
SIREM	163301S 0483847W	UM403, UM544	
SIRIG	140327S 0433012W	Z36, Z8	
SIROX	260708S 0554525W	UL531	
SIRUL	174243S 0483203W	UZ46, UZ5	
SISAS	193828S 0445835W	W31, Z48, Z92	
SISEM	262720S 0474605W	Z47	
SISET	130739S 0130309W	UL375	
SOBID	020508S 0552328W	Z45	
SOSBU	170042S 0545935W	UM799	
SOSGO	233252S 0464756W	UZ38	
SOTLI	041437S 0662010W	Z26	
SOTLU	135934S 0523236W	UM799, UZ84	
SOTVA	142813S 0535442W	UZ76, UZ84	
SOVSI	240620S 0472820W	UZ85, Z91	
SPRIN	043559S 0694738W	A301, UP525, Z24	
SUBLU	032019S 0523436W	UL462, UZ12	
SUBMU	103912S 0421147W	UZ9, UZ94	
SUBVI	030623S 0414626W	UZ5, UZ81	
SUCRE	225237S 0470125W	Z7	
SUDKI	102549S 0410433W	UZ41, UZ88	
SUDMO	042130S 0642921W	UL793, UP793	
SUDRO	073535S 0494325W	UL576, UZ9	
SUGLU	003559N 0691102W	Z13	
SULGI	204341S 0440653W	UM409, Z52	
SULMU	213715S 0413651W	UZ29, UZ47	
SULPI	275032S 0484227W	Z4	

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SUMPO	244045S 0492312W	UN741, UZ28	
SUMVA	014149N 0573559W	UP535	
SUPDU	250432S 0490347W	Z7	
SURPA	055807S 0401314W	UZ60, UZ7	
SUSKI	294638S 0521142W	Z23	
SUSLI	031040S 0592759W	UM417, UP527	
SUSNO	035635S 0602008W	UL322	
TALIX	141658S 0532215W	UL304, UZ84	
TAMAR	011816S 0490822W	Z81	
TASIL	040018N 0295924W	UN873	
TEDEP	121500S 0474537W	UZ25, UZ84	
TEDER	191945S 0452913W	UL795, UZ24, UZ8, Z1	
TEDOL	194854S 0413140W	UZ34, UZ42	
TEDOM	150733S 0554926W	UZ82, UZ84	
TEGAD	125727S 0540815W	UL304, UM417, UZ98	
TEGEP	031534S 0441359W	UZ4	
TEGET	273126S 0524914W	UM400, UM654, UZ83	
TEGIR	210955S 0402435W	UM661, UZ47	
TEGUK	194027S 0465637W	W31	
TEKIR	195058S 0204629W	UL340	
TELEG	060540S 0441205W	UP527, UZ4	
TELIS	041817S 0311054W	UM661	
TELOS	091531S 0562303W	Z86	
TEMED	241406S 0522336W	UM532, UZ65, Z31	
TEMEK	303429S 0513301W	A309, UM424	
TEMEV	121700S 0380451W	UZ23, UZ73	
TEMIX	105145S 0440858W	UZ4, UZ84	
TEMUN	100147S 0434624W	UZ18, UZ9	
TEMUP	131822S 0355335W	UM661	
TEMUT	125441S 0514139W	UM799, UZ33	
TENAM	065032S 0395154W	UP527, UZ88	
TENEL	152214S 0564411W	A430	
TENIK	203237S 0475122W	Z41	
TENUB	042828S 0375805W	UZ81, Z35	
TEPAB	234924S 0464045W	UM415, Z35	
TEPAV	110023S 0420658W	UM654, UZ78	
TEPEM	023343S 0593919W	UM409	
TERAT	182442S 0404227W	UZ42	
TERER	250242S 0510016W	UM654, UZ28	
TERET	040102S 0552000W	UP527, UZ24	
TEREX	145140S 0560211W	UZ82, UZ91	
TERIN	041800S 0383114W	UN741, UZ19	
TERIP	272653S 0502228W	Z7	
TESEK	185044S 0505021W	UM403	
TESEV	020201S 0524553W	Z54	
TIDNI	252702S 0484131W	Z21	
TIDNO	193906S 0412554W	UZ40, UZ42	

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1	2	3	4
TIGBU	212221S 0405714W	UZ44, UZ47	
TIGVO	112855S 0401321W	UZ9	
TIKBA	010351N 0560451W	UL452	
TILBA	245831S 0504014W	UL310, UZ28	
TILKU	081241S 0481430W	UM799	
TILPO	223300S 0554226W	A430, Z34	
TIMBO	213250S 0413555W	UZ29, UZ49	
TIMRU	232905S 0480358W	UZ132, UZ69	
TIMVI	285404S 0494852W	UN857	
TINGA	244827S 0485603W	UZ132	
TIPDA	073740S 0382712W	UZ19, UZ94, Z9	
TIPNU	074612S 0432915W	UZ41, UZ51	
TIPTO	013630S 0611003W	UL306, UL795, UZ87	
TISDI	244724S 0502714W	UL310, UZ176	
TISVA	223501S 0421502W	UL206, Z49	
TITMU	240313S 0443449W	UM400	
TITPU	171041S 0550752W	UL655	
TITRO	080141S 0385631W	UZ29, UZ94	
TITVO	215624S 0493508W	UM411, UZ82	
TOBDO	252439S 0491639W	UZ132, UZ63	
TOBNI	300035S 0520616W	UZ131, UZ38	
TOBTA	110848S 0440847W	UZ4, UZ60	
TOBUV	221845S 0484935W	UZ87	
TOBUX	023029S 0552843W	UZ81	
TODAS	095333S 0605444W	UZ40	
TODET	212942S 0411642W	UL206, UZ47	
TODLI	181248S 0480740W	Z64	
TODPO	092407S 0381510W	Z15, Z36	
TODUM	311855S 0525112W	UN857, UZ131	
TODUN	032705S 0493405W	UZ12, UZ91	
TOGAB	031553S 0374606W	UZ18	
TOGAK	082433S 0482304W	UM799, UZ26	
TOGEB	105306S 0615650W	UL322, UL655, Z15	
TOGEK	304203S 0520354W	UN857	
TOGUN	063659S 0363451W	UZ70, UZ72	
TOKAK	304144S 0524839W	UZ121, UZ53	
TOKIM	215528S 0441134W	UZ3, UZ6, Z2, Z32	
TOKOD	301443S 0525304W	UM418, UM792	
TOLAT	140955S 0483037W	UZ38	
TOLEP	324341S 0530509W	UM424, UM661	
TOLUD	192217S 0411600W	UZ32, UZ42	
TOMEK	043536S 0325059W	W41	
TOMUT	202523S 0490952W	Z64	
TONOM	015727N 0562921W	UL452	
TONOP	201816S 0521745W	UM403, UM549	
TONOR	123100S 0543930W	UZ40, UZ91	
TOPOV	030316S 0593700W	UZ12	

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1	2	3	4
TOPUG	155814S 0411413W	UZ1, UZ21	
TOPUR	075253S 0515810W	UL452, UZ91	
TOPUX	221630S 0502512W	Z14	
TORAB	155824S 0550819W	UZ8, UZ82	
TORAX	031646S 0540542W	UL452, UZ12	
TORIS	131127S 0454430W	UZ60	
TOSAD	065841S 0371550W	UZ7, UZ78	
TOSAR	173902S 0553128W	A430, UM799, UZ63, Z85	
TOSEV	275300S 0491029W	UM540	
TOSIV	212106S 0391313W	UZ48, UZ50	
TOSIX	271122S 0483625W	UM540, UZ93	
TULIO	313223S 0543001W	G680	
TUNAS	185343S 0421110W	UZ32, UZ57	
TURAB	122559S 0264501W	UN548	
TUVAM	270950S 0481257W	Z47	
UBDUK	223628S 0410136W	KZ126, KZ138, KZ143	
UBGED	251654S 0495830W	UZ161, UZ5	
UBGIR	215704S 0424602W	UZ42	
UBGIS	295252S 0505229W	UM540	
UBGOM	130453S 0533034W	UZ98	
UBGON	251800S 0525423W	UM532, UZ161	
UBKAB	161853S 0583631W	UM402	
UBKAL	203529S 0385557W	UZ47	
UBKEB	202206S 0432856W	Z36	
UBKOS	102207S 0500305W	UL776, UZ38	
UBLAM	303935S 0560944W	UM418	
UBLUN	074123S 0684113W	A301, UP525, Z24	
UBLUP	144032S 0402859W	UZ80	
UBMOP	273557S 0530112W	UL216, UM400	
UBMOR	190038S 0510006W	UM403, UZ87	
UBNED	163459S 0422414W	UZ30	
UBNEK	224733S 0433852W	UL340	
UBNID	231241S 0492316W	UZ5, UZ58	
UBNIV	035840S 0382239W	UN741	
UBNOV	220225S 0452036W	UZ14	
UBNUR	223318S 0400534W	KZ124	
UBROS	260726S 0474505W	UM540	
UBRUT	052355S 0331908W	UB623, W41	
UBSIK	300841S 0521020W	UM418, UZ131	
UBSOD	241542S 0470839W	UZ38, UZ45	
UBSUS	170218S 0494608W	UM544, W29	
UBTAS	141713S 0542829W	UP793, UZ76	
UCROK	035447S 0443622W	UZ2, UZ7	
UDENO	260729S 0545614W	B688, N785	
UDERU	071851S 0365858W	UP527, UZ72	
UDIDI	130236S 0623724W	UL793	
UDIDU	185154S 0431728W	UZ72, Z18	

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1	2	3	4
UDIGA	033046S 0240841W	UL330, UL375	
UDIGI	191013S 0483956W	UZ31, UZ5	
UDILO	025744S 0592746W	UZ81	
UDILU	165057S 0452449W	UL462	
UDIRA	225802S 0425327W	UL206, UN857, UZ1, UZ171, Z36, Z4	
UDOMA	111655S 0515819W	UM409	
UDOPO	114357S 0420942W	UN741, UZ79	
UDOSA	090238S 0360751W	UZ21	
UDUDI	075854S 0385306W	UZ77, UZ94	
UDULA	064128S 0404539W	UP527, UZ60	
UDUNA	221140S 0434012W	UZ10, UZ22, UZ24, Z1	
UDUVI	143142S 0464815W	UL462, UZ60	
UGAGA	004842N 0654200W	UL793	
UGALO	061803S 0365033W	UZ94	
UGAPI	165024S 0531730W	UL201	
UGAXO	115446S 0635450W	A430, UM775	
UGELO	324042S 0530848W	A305	
UGEPO	042629S 0383048W	UZ19, Z9	
UGETA	070720S 0354622W	UZ81	
UGIBI	174502S 0420550W	Z18	
UGINA	143635S 0582225W	A430, UM775	
UGINO	262801S 0484221W	UZ38, UZ93	
UGONI	221513S 0485354W	UM654, UZ87	
UGOVU	225250S 0473416W	Z22	
UGPAR	200623S 0414201W	UZ35, UZ42	
UGPIM	202917S 0412230W	UZ29	
UGPIR	241659S 0510333W	UZ152, UZ176, Z5	
UGPUD	182913S 0433600W	UZ4	
UGRAD	225936S 0434226W	UZ42, Z49	
UGREV	281319S 0485752W	UN857	
UGRIT	121219S 0510959W	UM409, UM799	
UGSEV	194202S 0440928W	UZ21, UZ35, Z12, Z18	
UGSIS	244009S 0503558W	UZ176	
UGTAK	145422S 0461317W	UL576, UZ19, Z8	
UGTEK	271541S 0484004W	UM540	
UGTEV	231808S 0453251W	Z82	
UGTON	184032S 0504036W	UM403, UM775	
UGTUL	272714S 0502013W	UZ121, UZ75, Z56	
UGTUN	065330S 0362108W	UM791, UZ70	
UGUGA	140147S 0493304W	UM409, UZ33, UZ40	
UGULO	200012S 0423137W	UZ35, Z48	
UGURA	323618S 0532024W	A309	
UGUTO	104411S 0434947W	UZ60, UZ84	
UGUTU	303251S 0530348W	UM792, UZ38	
UGVIG	235526S 0503611W	UL301, UZ63	
UKAGA	095426S 0530755W	UM409, UZ91	

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1	2	3	4
UKAMI	264632S 0503552W	UZ68, UZ96	
UKARI	084953S 0352147W	Z35	
UKARU	152641S 0382347W	UZ95	
UKATU	234348S 0465311W	UM415, UZ38, Z35	
UKAVA	085557S 0441015W	UZ4, UZ51	
UKBEB	172223S 0511748W	UL304, UM417, UZ8	
UKBEL	050715S 0622737W	UZ33, UZ62	
UKBEV	223305S 0470436W	UZ26, Z7	
UKBOV	281237S 0490458W	Z4	
UKDAL	150744S 0440602W	UM654, UZ17, UZ4, Z9	
UKDAN	235859S 0461548W	UM415, UZ45, Z35	
UKDED	040603S 0373651W	UZ86	
UKDEL	284813S 0505943W	UZ5	
UKDIX	155542S 0480634W	Z7	
UKDOB	252252S 0481739W	UM548, Z21	
UKDUN	235140S 0503929W	W48	
UKEBA	061006S 0393826W	UZ7, UZ88	
UKEDA	020107S 0623412W	UP527, Z13	
UKEDI	063518N 0370436W	UL375	
UKENU	211204S 0414926W	UN857	
UKERO	230655S 0481653W	UZ58	
UKESA	205600S 0402056W	UZ49	
UKLEN	231956S 0482451W	UL301, UL310, UN741, UZ152, Z5	
UKLIV	114227S 0412954W	UZ59, UZ88	
UKLOD	174449S 0522423W	UL201, UM775	
UKLUR	154705S 0551730W	UZ82	
UKMAR	224054S 0410116W	KZ125, KZ138, KZ139, KZ140, KZ142	
UKMEM	270036S 0532734W	UL216, UL310	
UKMIL	102453S 0392548W	UN866, UZ59	
ULTEX	301928S 0520824W	UM534	
UMBAD	231656S 0440829W	UZ171, Z11	
UMBAS	014554S 0570303W	Z45	
UMDEX	273318S 0493025W	UZ141, UZ38, UZ75	
UMDOR	250718S 0482618W	UZ69	
UMGAD	265427S 0492349W	UZ141	
UMGAK	271344S 0495646W	UZ104	
UMGES	254643S 0500724W	UZ5	
UMGIS	105213S 0400859W	UZ1, UZ59	
UMGUL	234438S 0493209W	UZ152, UZ5, Z5	
UMGUP	080420S 0565205W	UM417	
UMKID	154740S 0480753W	Z7	
UMKIT	204836S 0431013W	UZ22, UZ4, Z36	
UMKON	225808S 0480346W	UN741	
UMKUR	264458S 0504948W	UM400, UN741	
UMLAM	212204S 0444642W	UZ14	
UMLEB	083815S 0574641W	UZ33	

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1	2	3	4
UMLEX	234444S 0514130W	UZ176, UZ65	
UMLIB	234711S 0462950W	UZ23	
UMLOV	134000S 0521702W	UL795, UM423, UM799	
UMPAP	203738S 0400756W	KZ159, KZ163	
UMPED	210717S 0505026W	UM532	
UMPEG	131650S 0522853W	UL795, UM423, UZ40, UZ98	
UMPIG	231717S 0502325W	UZ58, Z85	
UMPUV	081709S 0384910W	UZ77, UZ78	
UMREP	205301S 0394044W	UZ47	
UMRUD	312650S 0543933W	UN741, UZ38, UZ53	
UMSER	164514S 0452018W	UL576	
UMSIL	195105S 0572520W	UM799	
UPOMI	050803S 0613028W	UZ74	
UPOMO	045754S 0502239W	UP527, UZ91	
UPONA	211239S 0485428W	UL201, UZ5	
UPORU	251327S 0535255W	UZ152, UZ65	
UPUBU	211939S 0443522W	UZ6, Z2	
UPUVI	140344S 0452542W	UZ3, UZ59	
URALU	080903S 0482317W	UZ26, UZ9	
UREMI	232321S 0453047W	UZ42	
URIBU	111341S 0404305W	UZ59, UZ9	
URIVI	094244S 0491947W	UL462, UM799	
URURI	311810S 0550726W	UM534	
URUTU	251111S 0490941W	Z7	
URUVA	130131S 0402047W	UZ19, UZ72, Z8	
USAGU	093234S 0532815W	UL540, UM409	
USAKA	184046S 0381434W	UN401	
USAMI	043558S 0390709W	UM791, UZ88	
USARI	225110S 0405517W	KZ128	
USATU	060137S 0372434W	UM791, UN866	
USEXA	264629S 0533800W	UL216, UM532	
USIPA	124356S 0384728W	UZ21	
USOBI	031307S 0601757W	UZ62	
USOGU	125601S 0440741W	UZ4, UZ79	
USTUL	243647S 0523428W	UM532	
USTUN	273716S 0485746W	UM540, UZ75	
USVAK	025131S 0603133W	UP527	
USVAT	205149S 0550537W	UM415	
USVEL	252834S 0485022W	UM548, UZ121, UZ93, Z21, Z56	
USVEP	190239S 0410431W	UZ29, UZ42	
USVEV	253213S 0492059W	UM548, UZ102, UZ132	
USVIG	233756S 0493017W	UL301, UZ5	
USVIP	240436S 0493744W	UL310, UZ5	
USVOB	242923S 0500616W	UL310, UZ63	
USVOL	173237S 0431158W	UZ30, UZ61	
USVUR	074605S 0381205W	UN866, UZ78	
UTBAR	152741S 0530604W	UP793, UZ87	

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1	2	3	4
UTBIT	273032S 0495329W	UZ75	
UTGAB	141755S 0400729W	UZ29, UZ80	
UTGED	251828S 0492959W	UZ102	
UTGER	224516S 0461350W	UZ23, Z47	
UTGIB	190354S 0523708W	UM544, W29	
UTGIG	272531S 0503306W	UZ75	
UTGOT	034345S 0403351W	UZ12	
UTKIR	214150S 0411824W	KZ150, KZ151, KZ183, KZ184, KZ185, KZ186, KZ500, KZ600, Z35	
UTLAX	225345S 0415702W	KZ139	
UTLEV	200530S 0440135W	UZ23, UZ3, UZ88, Z47	
UTLON	164148S 0412421W	UZ1, UZ23	
UTLOT	222826S 0475332W	UM411, UZ31, Z65	
UTLUS	194312S 0423007W	UZ34, Z73	
UTMAR	043150S 0381808W	UZ70	
UTMUD	282745S 0491551W	UN857	
UTNAS	232518S 0473146W	Z5, Z7	
UTNAV	023935S 0593423W	UM409	
UTNEX	225212S 0430954W	Z49	
UTNIB	033739S 0571847W	UM423, UP527	
UTNIK	062029S 0362522W	UZ72, UZ81	
UTNIN	165607S 0493745W	UM544, UM668, W29, Z15	
UTNIP	260447S 0514733W	UM654, UZ71	
UTNUX	133159S 0471945W	UL462, UZ2	
UTPAM	033158S 0594035W	UL795, UZ6, UZ87	
UTPAT	255143S 0490421W	W48	
UTPEX	173502S 0544913W	UM549	
UTPIN	211148S 0444033W	UZ6, Z2, Z43	
UTPIT	190413S 0400744W	UZ95	
UTPOB	232913S 0432832W	UN857, Z4	
UTPOM	121202S 0530144W	UL795, UM423, UZ33, Z86	
UTRAG	203827S 0523814W	UM403, UZ52	
UTRAM	031618S 0320716W	B623, UB623, UN857	
VADAD	070114S 0243729W	UN401	
VADEV	222534S 0430221W	UM409, UZ42, Z43, Z52	
VADOP	143623S 0462150W	UL576, UZ18, UZ59, UZ94	
VAGAL	290731S 0504145W	UZ38	
VAGAN	034909N 0630502W	UM417, UZ6	
VAKAM	200314S 0393935W	UM661, UZ35	
VAKAS	131730S 0440723W	UZ4, UZ59	
VAKOB	121328S 0563507W	UL540, UP793	
VAKOK	033901S 0433808W	UZ12, UZ20	
VAKUS	033435S 0594347W	Z86	
VALAP	181238S 0480910W	UZ25, Z41	
VALAS	083417S 0522143W	UL540, UZ24, UZ91	
VALEM	223149S 0434309W	Z10, Z2	

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1	2	3	4
VALEV	210511S 0530518W	UM403, UZ42, Z22	
VAMIL	092430S 0440956W	UZ4, Z63	
VAMIX	230329S 0430853W	Z11	
VAMUS	025514N 0372906W	UZ51	
VANES	145225S 0582234W	UZ52	
VAPAP	272856S 0500613W	UZ104, UZ75	
VAPUL	215828S 0514857W	Z14	
VARIT	171822S 0454633W	UZ40, Z3	
VASAK	224722S 0403022W	KZ126	
VASEK	123741S 0440746W	UZ4, UZ78	
VATAP	125738S 0390007W	Z42	
VIANA	205229S 0455105W	UZ38, Z6	
VILUX	102832S 0673222W	A301, UN420, Z24	
VODIK	023749S 0541059W	Z45	
VODSA	153620S 0315617W	UN548	
VOVLI	193457S 0381136W	UZ35	
VOVNO	223145S 0401826W	KZ124	
VOVPA	221443S 0425607W	UZ4, UZ42	
VUBGI	220419S 0451106W	Z55	
VUBUV	264304S 0481337W	UM540	
VUDAV	240047S 0440300W	UN857, Z4	
VUDEK	200356S 0531353W	UZ52	
VUDIR	144247S 0530710W	UL304, UM417, UM799, UZ76	
VUDON	111943S 0401455W	UZ1, UZ41	
VUDOT	181820S 0483514W	UL795, UZ5, UZ8, Z48	
VUGAR	104721S 0545432W	UL540, UZ33	
VUGID	090430S 0394558W	UZ1, UZ78, UZ84	
VUGLA	253526S 0530253W	UM532, UM548, W34	
VUGMO	224724S 0394729W	KZ123	
VUGNI	315744S 0535501W	UM792	
VUGOS	123822S 0484810W	UL776, UZ84	
VUGUG	241658S 0520045W	UL301	
VUGUP	262021S 0494845W	UM400, UZ132	
VUKEB	045549S 0694038W	A301, UM527, UP525, Z24	
VUKEM	210954S 0451756W	Z18, Z43	
VUKEP	181815S 0474257W	UZ26, Z7	
VUKER	034644S 0444844W	UM799, UZ7	
VUKIK	235057S 0453841W	UZ45, Z35	
VUKIR	015553S 0295835W	UM661	
VUKLA	222610S 0433043W	Z1, Z10	
VUKMO	284333S 0502115W	UZ38	
VUKOT	275525S 0470812W	UM661, UZ39	
VUKUB	172836S 0424627W	UZ72, UZ80	
VULAD	190943S 0455853W	UL795, UM654, UN741, UZ6, UZ8, Z2	
VULAK	153922S 0560643W	UM668, UM775, UZ63	
VULBU	034110S 0422205W	UZ12	

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
VULIB	113148S 0521633W	UZ6	
VULMI	231005S 0465834W	UZ42	
VULPA	183620S 0474018W	UL795, UZ26, UZ8, Z7	
VULPI	062919S 0364112W	UZ70, UZ78	
VULPO	205758S 0534438W	Z14	
VULRU	225351S 0491805W	UM415, UZ5	
VULTO	211534S 0505509W	UM532	
VULUK	224308S 0404231W	KZ126	
VUMBO	001509S 0513415W	Z62	
VUMDU	065257S 0373249W	UZ94	
VUMEV	225313S 0455838W	UZ14	
VUMIK	204847S 0492422W	Z55, Z64, Z65	
VUMKO	230244S 0473106W	UZ58, Z85	
VUMON	102719S 0503931W	UL452	
VUMPI	015924N 0635654W	UL795, UM409, UZ87	
VUMTU	223251S 0491602W	UM654	
VUMUB	213831S 0534005W	UM403	
VUNAT	245404S 0501913W	UZ176, UZ28	
VUNAV	062628S 0385041W	UZ7	
VUNEG	273702S 0541546W	UL310, UM532, UZ71	
VUNEP	031157S 0620809W	UM665, Z54	
VUNEV	043922S 0630356W	UZ33	
VUNGO	043904S 0390328W	UM791, UZ77	
VUNIG	103419S 0495732W	UL776, UM799	
VUNLI	221637S 0433659W	UZ24, Z1	
VUNOK	023817S 0333032W	UN873	
VUNOX	221904S 0461248W	UZ21, UZ38, UZ92, Z18, Z6	
VUNUL	135116S 0470937W	UL462, UZ51	
VUNUX	205651S 0401507W	UM661	
VUPAR	082035S 0475528W	UZ25, UZ9	
VUPIP	224857S 0423814W	UL206, UL340, UN857, Z49	
VUPOG	204432S 0484959W	UL304, UM417, UM775, UZ5	
VUPOS	212702S 0395744W	KZ185	
VURAG	301054S 0522553W	UM418, UZ121, UZ38	
VUREB	092809S 0525243W	UZ91	
VUREK	135337S 0383045W	UZ73	
VUREM	042158N 0390310W	UZ56	
VUREP	231054S 0443312W	UZ42, Z49	
VURIL	190804S 0365026W	UZ35, UZ49	
VURIM	044949S 0510547W	UL576, UP527	
VUROB	194338S 0533441W	UM544, UZ52	
VURPU	270929S 0533037W	UM657, UZ71	
VURSU	042809S 0423122W	UZ5, Z63	
VURTU	021012N 0504227W	UA555, Z84	
VURUP	034256S 0410800W	UZ12, UZ51	
VUSAK	195119S 0450943W	UZ24, UZ30, Z1, Z92	
VUSLO	035449S 0554719W	Z16	

Designador Nome-código *Name-code Designator*	*Coordenadas* *Coordinates*	*Rota ATS ou outra rota* *ATS Route or other route*	*RMK* *RMK*
1	2	3	4
VUSMI	151749S 0561958W	UZ84	
VUSPU	115935S 0423505W	UM654, UZ79	
VUSTI	094514S 0382402W	UZ19, UZ59, UZ72	
VUSTO	121640S 0422605W	UN741, UZ59	
VUTBI	250734S 0493705W	UZ102	
VUTKO	203150S 0455935W	Z6, Z73	
XINGU	112737S 0540145W	UZ91, Z86	
XODAM	270404S 0503101W	UZ5	
XODOV	113042S 0411043W	UZ59, UZ61	
XOGAR	224047S 0431056W	UZ42	
XOKIX	230834S 0433113W	Z11	
XOLOK	023702S 0562534W	UZ81	
XOLUG	212903S 0515550W	W48, Z22	
XONIM	044140N 0610146W	G678	
XONOK	211601S 0434551W	UM409, Z43, Z52	
XONUG	242053S 0480933W	UZ121, UZ28, UZ69, Z56	
XOPAX	195902S 0481609W	Z82	
XOPES	210945S 0455523W	Z6	
XOPEV	032412S 0601058W	UL322	
XUVUD	170148S 0392449W	UN857	
XUXOM	202603S 0401613W	KZ161, KZ163, KZ182	
XUXUG	155728S 0392056W	UZ42	
ZANET	210918S 0465831W	Z43	
ZARES	224559S 0475717W	UZ42	
ZUMBA	145916S 0394244W	UZ14	
ZURCO	024016S 0433444W	Z9	

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Identificação, Nome Limites laterais	Limite superior Limite inferior	RMK (Horário de atividade, tipo de restrição, natureza do perigo, risco de interceptação)
Identification, Name Lateral Limits	**Upper Limit Lower Limit**	**RMK (Time of activity, type of restriction, nature of hazard, risk of interception)**
1	**2**	**3**
SBR710 PORTO VELHO 3 083457S 0634118W - 082632S 0632733W depois, ao longo de um arco no sentido horário de / then along the clockwise arc of a circle of 31 NM de raio com centro em / radius centred on 084250S 0635413W to 085740S 0632639W - 085001S 0634053W depois, ao longo de um arco no sentido anti-horário de / then along the counter clockwise arc of a circle of 15 NM de raio com centro em / radius centred on 084250S 0635413W	FL195 FL030	H24 Ativado pelo APP Porto Velho Operações militares H24 Activated by Porto Velho APP Military operations
SBR711 PORTO VELHO 4 082631S 0632732W - 081909S 0631532W depois, ao longo de um arco no sentido horário de / then along the clockwise arc of a circle of 45 NM de raio com centro em / radius centred on 084250S 0635413W to 090420S 0631412W - 085740S 0632640W depois, ao longo de um arco no sentido anti-horário de / then along the counter clockwise arc of a circle of 31 NM de raio com centro em / radius centred on 084250S 0635413W	FL195 FL030	H24 Ativado pelo APP Porto Velho. Operações militares H24 Activated by Porto Velho APP. Military operations
SBR716 CROCODILO 2B 085444S 0640331W - 090104S 0640829W depois, ao longo de um arco no sentido horário de / then along the clockwise arc of a circle of 23 NM de raio com centro em / radius centred on 084250S 0635413W to 085132S 0641544W - 084830S 0640815W depois, ao longo de um arco no sentido anti-horário de / then along the counter clockwise arc of a circle of 15 NM de raio com centro em / radius centred on 084250S 0635413W	2500 FT AMSL GND	H24 Ativado pelo APP Porto Velho. Operações militares H24 Activated by Porto Velho APP. Military operations
SBR717 CROCODILO 2C 090104S 0640829W - 091432S 0641903W depois, ao longo de um arco no sentido horário de / then along the clockwise arc of a circle of 40 NM de raio com centro em / radius centred on 084250S 0635413W to 085756S 0643139W - 085132S 0641544W depois, ao longo de um arco no sentido anti-horário de / then along the counter clockwise arc of a circle of 23 NM de raio com centro em / radius centred on 084250S 0635413W	4000 FT AMSL GND	H24 Ativado pelo APP PortoVelho Operações militares H24 Activated by Porto Velho APP. Military operations
SBR800 São Pio Área circular com centro em / Circular area centered on 293450S 0532353W com um raio de / within a 2 NM radius.	1000 FT AMSL GND	DLY 1000 - SS Asa-delta Parapente Hanggliding Paragliding
SBR801 Campo de Instrução Rincão 284801S 0553814W depois, ao longo de um arco no sentido horário de / then along the clockwise arc of a circle of 2.77 NM de raio com centro em / radius centred on 284515S 0553816W to 284502S 0553507W - 284810S 0553319W	FL190 GND	DLY HJ Operações militares Military operations
SBR802 Parapente Riomafra 260344S 0494622W - 261414S 0494043W - 262444S 0500726W - 261703S 0501150W - 260856S 0501034W	7000 FT AMSL GND	THU, FRI-SUN, FERIADOS HJ Parapente THU, FRI-SUN, HOL HJ Paragliding

Identificação, Nome Limites laterais	Limite superior Limite inferior	RMK (Horário de atividade, tipo de restrição, natureza do perigo, risco de interceptação)
Identification, Name Lateral Limits	**Upper Limit Lower Limit**	**RMK (Time of activity, type of restriction, nature of hazard, risk of interception)**
1	**2**	**3**
SBR803 Voo Livre Jaguari Área circular com centro em / Circular area centered on 293005S 0544345W com um raio de / within a 5 NM radius.	5000 FT AGL GND	SAT, SUN, FERIADOS 1300 - SS Asa-delta Parapente SAT, SUN, HOL 1300 - SS Hanggliding Paragliding
SBR804 Paraquedismo Skydive4fun Área circular com centro em / Circular area centered on 252742S 0543550W com um raio de / within a 2 NM radius.	FL200 GND	DLY HJ Ativada pelo APP-FOZ/ACC-CURITIBA. Salto de Pára-quedas DLY HJ Activated by FOZ-APP/CURITIBA-ACC. Parachute jumping
SBR805 SBR 805 SSTE - AEROPORTO DE TORRES-RS Área circular com centro em / Circular area centered on 292454S 0494836W com um raio de / within a 10 NM radius.	FL140 GND	SR - 0250 ATIVADA MEDIANTE COORDENAÇÃO COM A SBD338 BALONISMO PRAIA GRANDE E FCA 123.45MHz Salto de Pára-quedas SR - 0250 ACTIVATED THROUGH COORDINATION WITH SBD338 BALLOON PRAIA GRANDE AND FCA 123.45MHz Parachute jumping
SBR806 Aeroclube de Tatuí Área circular com centro em / Circular area centered on 231955S 0475248W com um raio de / within a 5 KM radius. Except area 224502S 0483002W - 230302S 0473802W - 231131S 0473632W - 231508S 0474720W - 231846S 0474914W - 231502S 0483002W Except area 231943S 0475302W - 232005S 0475221W - 232036S 0475241W - 232015S 0475322W	FL200 GND	DLY HJ SUBJ COOR/AUTH ACC CURITBA FL115-FL200. ACFT NAO PARTICIPANTES DO EVENTO COORD INGRESSO NA AREA BTN GND/FL115 USANDO FCA 135.625 Salto de Pára-quedas DLY HJ SUBJ COOR/AUTH ACC CURITBA FL115-FL200. NON-PARTICIPANTS ACFT OF THE EVENT COORD ENTRY IN THE AREA BTN GND/FL115 USING FCA 135.635 Parachute jumping
SBR808 Paraquedismo Novo Hamburgo SSNH. Área circular com centro em / Circular area centered on 294145S 0510454W com um raio de / within a 3 NM radius.	FL150 GND	SR - 0259 ATIVADA SOMENTE MEDIANTE DESATIVAÇÃO DA SBR593 Salto de Pára-quedas SR - 0259 ACTIVATED ONLY BY DEACTIVATION OF SBR593 Parachute jumping

Identificação, Nome Limites laterais	Limite superior Limite inferior	RMK (Horário de atividade, tipo de restrição, natureza do perigo, risco de interceptação)
Identification, Name Lateral Limits	**Upper Limit Lower Limit**	**RMK (Time of activity, type of restriction, nature of hazard, risk of interception)**
1	**2**	**3**
SBD723 Fazenda Monte Alegre 2 Área circular com centro em / Circular area centered on 062205S 0493439W com um raio de / within a 1650 M radius.	2018 FT AGL GND	H24 Outras atividades/motivos Área com obstáculos violando o Plano Básico de Zona de Proteção de Aeródromo. Other activities/reasons Area with obstacles violating the Basic Aerodrome Protection Zone.
SBD807 Voo Livre Ilha do ar Área circular com centro em / Circular area centered on 210839S 0470926W com um raio de / within a 5 NM radius.	7000 FT AGL GND	HJ Asa-delta Parapente Hanggliding Paragliding
SBD829 SANTA TERESA Área circular com centro em / Circular area centered on 195249S 0403927W com um raio de / within a 5.56 KM radius.	FL060 1000 FT AMSL	DLY 1130 - 2100 Parapente Paragliding
SBD839 SIV PARAPENTE Área circular com centro em / Circular area centered on 225847S 0462418W com um raio de / within a 1 KM radius.	FL045 GND	DLY HJ Sob VMC Asa-delta Parapente DLY HJ Under VMC Hanggliding Paragliding
SBD843 ALVES BALONISMO Área circular com centro em / Circular area centered on 220241S 0512854W com um raio de / within a 4 NM radius.	2500 FT AMSL GND	SAT, SUN, FERIADOS 0830 - 1200 Ativado mediante autorização do APP Prudente e contato bilateral com o APP Prudente na frequência 125.450 MHz Balões de ar quente SAT, SUN, HOL 0830 - 1200 Activated under authorization and two way comunication with Prudente APP on the frequency125.450 MHz Hot air balloons
SBD846 SUPERFÍCIE LIMITADORA DE INTERESSE PÚBLICO B 270943S 0483526W - 270948S 0483519W - 271030S 0483600W - 270858S 0483756W - 270856S 0483746W - 271019S 0483603W	361 FT AGL GND	H24 Outras atividades/motivos Desenvolvimento do Plano Diretor do Município de Porto Belo. Other activities/reasons Development of the Master Plan for the Municipality of Porto Belo.
SBD850 Área de lavra - Mineração Milho Branco Ltda 201114S 0445143W - 201108S 0445134W - 201106S 0445127W - 201105S 0445125W - 201115S 0445121W - 201116S 0445139W	2760 FT AGL GND	H24 Operações de detonação Blasting operations

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Designador e limites laterais Designation and lateral limits	Limites verticais Vertical limits	Operador/Usuário Tel Nr. Operator/User Tel Nr.	Observações e horáriode ACT Remarks and time of ACT
1	2	3	4
Afonsos 225243S 0432052W - 225042S 0432204W - 225235S 0432603W - 225409S 0432506W	1200 FT AGL GND	NIL	H24 Ativada pelo APP-RJ. H24 Activated by APP-RJ.
Agrossol Acrobacia 214658S 0470333W - 214658S 0470258W - 214731S 0470255W - 214731S 0470330W	3500 FT AGL GND	NIL	SAT, SUN, FERIADOS 1000 - 2100 Área ativada mediante COOR com o APP-YS e com o 2° Esquadrão de Instrução Aérea da AFA. SAT, SUN, HOL 1000 - 2100 Area activated through COOR with the APP-YS and the 2nd Air Instruction Squadron of the AFA.
Agrossol Paraquedismo Área circular com centro em / Circular area centered on 214717S 0470320W com um raio de / within a 1 NM radius.	FL140 GND	NIL	SAT, SUN, FERIADOS 1000 - 2100 Área ativada mediante COOR com o APP-YS e com o 2° Esquadrão de Instrução Aérea da AFA. SAT, SUN, HOL 1000 - 2100 Area activated through COOR with the APP-YS and the 2nd Air Instruction Squadron of the AFA.
Acroxanxerê 265058S 0522230W - 265050S 0522017W - 265348S 0522000W - 265358S 0522214W	FL075 GND	NIL	DLY 1030 - 2100 SUBJ COOR RDO CHAPECO QRG 130.85 MHZ. FORA DOS HORÁRIOS DE FUNCIONAMENTO DA RDO, COOR FCA 130.85 MHZ DLY 1030 - 2100 SUBJ COOR RDO CHAPECO QRG 130.85 MHZ. OUTSIDE RDO OPERATING HOURS, COOR FCA 130.85 MHZ
Aeroclube de Tatuí Área circular com centro em / Circular area centered on 231955S 0475248W com um raio de / within a 5 KM radius. Except area 224502S 0483002W - 230302S 0473802W - 231131S 0473632W - 231508S 0474720W - 231846S 0474914W - 231502S 0483002W Except area 231943S 0475302W - 232005S 0475221W - 232036S 0475241W - 232015S 0475322W	FL200 GND	NIL	DLY HJ SUBJ COOR/AUTH ACC CURITBA FL115-FL200. ACFT NAO PARTICIPANTES DO EVENTO COORD INGRESSO NA AREA BTN GND/FL115 USANDO FCA 135.625 DLY HJ SUBJ COOR/AUTH ACC CURITBA FL115-FL200. NON-PARTICIPANTS ACFT OF THE EVENT COORD ENTRY IN THE AREA BTN GND/FL115 USING FCA 135.635
Aeroporto Municipal Paranaguá Área circular com centro em / Circular area centered on 253226S 0483152W com um raio de / within a 1 KM radius.	FL120 GND	NIL	DLY HJ SUBJ AUTH/COOR do APP Curitiba de 5500FT AMSL/FL120 e COOR FCA 123.45MHz do SFC/5500FT AMSL DLY HJ SUBJ AUTH/COOR Curitiba APP of 5500FT AMSL/FL120 and COOR FCA 123.45MHz of SFC/5500FT AMSL
Balsa Nova 253030S 0493440W - 253230S 0494740W - 252150S 0495447W - 251707S 0494320W	FL070 GND	NIL	H24
Boituva 231621S 0474612W - 231440S 0474110W - 231543S 0473844W - 231802S 0473749W - 232017S 0473857W - 232158S 0474359W - 232055S 0474626W - 231836S 0474720W	FL160 GND	NIL	DLY HJ
Box de Acrobacia-treinamento 265021S 0490515W - 265026S 0490549W - 264929S 0490601W - 264925S 0490530W	3500 FT AGL GND	NIL	Ativada mediante COOR na FCA 123.45 MHz e COOR com a SBR823. Activated by coordination on FCA 123.45 MHz and coordination with SBR823. DLY HJ

Designador e limites laterais Designation and lateral limits	Limites verticais Vertical limits	Operador/Usuário Tel Nr. Operator/User Tel Nr.	Observações e horáriode ACT Remarks and time of ACT
1	2	3	4
Box Acrobático. 231943S 0475302W - 232005S 0475221W - 232036S 0475241W - 232015S 0475322W	FL060 GND	NIL	DLY HJ
Campo Largo 252940S 0493040W - 253030S 0493440W - 252200S 0494000W - 251830S 0493600W - 252318S 0492900W	6000 FT AMSL GND	NIL	DLY HJ
Canela 291300S 0503822W - 292000S 0503822W - 292000S 0504822W - 291300S 0504822W	FL050 GND	NIL	DLY HJ
Ceu 5 225705S 0434028W - 225836S 0434042W - 225857S 0433907W - 225727S 0433854W	2500 FT AMSL 1500 FT AMSL	NIL	H24 Sob AUTH TWR Santa Cruz. H24 Under AUTH TWR Santa Cruz.
Clube dos 40 252731S 0490617W - 252203S 0490616W - 252146S 0490214W - 252010S 0490217W - 251842S 0485649W - 251937S 0485411W - 252243S 0485824W - 252457S 0485823W - 252458S 0485648W - 252734S 0485644W Except area 252453S 0490601W - 252400S 0490400W - 252504S 0490409W - 252522S 0490424W - 252520S 0490515W - 252557S 0490520W - 252558S 0490550W	3500 FT AGL GND	NIL	DLY HJ
Clube de Voo Floresta Área circular com centro em / Circular area centered on 205917S 0425316W com um raio de / within a 1 NM radius.	FL140 GND	NIL	FRI-SUN, FERIADOS HJ Mediante COOR FCA 123.45MHz FRI-SUN, HOL HJ By COOR FCA 123.45MHz
Eagle 250656S 0485113W - 250555S 0485718W - 250304S 0485348W	7000 FT AMSL 500 FT AGL	NIL	H24 Ativada pelo APP-CURITIBA. H24 Activated by CURITIBA APP.
Franco da Rocha Área circular com centro em / Circular area centered on 232002S 0464102W com um raio de / within a 3 KM radius.	5000 FT AMSL 3000 FT AMSL	NIL	DLY HJ
Instrucao Acrobacia Sierra Bravo. 224709S 0472019W - 224715S 0471941W - 224640S 0471934W - 224633S 0472012W	5000 FT AMSL 3000 FT AMSL	NIL	DLY HJ
Ipuã 230202S 0454348W - 230355S 0454405W - 230343S 0454748W - 230041S 0454820W	5000 FT AMSL GND	NIL	DLY 1000 - SS SUBJ AUTH/COOR APP SAO PAULO
Itaborai 1 Área circular com centro em / Circular area centered on 224246S 0425032W com um raio de / within a 2 KM radius.	3500 FT AGL 2000 FT AGL	NIL	ACFT training. Treinamento de ACFT. H24
Itamaracá	1500 FT AMSL	NIL	DLY HJ Ativada DLY SRSS. Demais horários mediante APP-RF.

Designador e limites laterais	*Limites verticais*	*Classificação do espaço aéreo*	*ATS Indicativo de chamada, Idioma(s)*	*TA*	*Horas de aplicabilidade*	*Observações*
Designation and lateral limits	***Vertical limits***	***Airspace classification***	***ATS unit call sign Language(s)***	***Transition altitude***	***Hours of applicability***	***Remarks***
1	2	3	4	5	6	7
Galeão CTR 224240S 0432039W - 224520S 0431512W - 224312S 0430640W - 224821S 0430510W - 225303S 0431355W - 225211S 0431446W - 225114S 0431843W - 224950S 0432033W - 225026S 0432145W - 224856S 0432315W - 224505S 0432225W	1500 FT AGL GND	D	GALEAO GROUND SOLO GALEAO GALEAO TOWER TORRE GALEAO GALEAO Inglês, Português English, Portuguese	7000 FT AMSL	H24	NIL

SBGL AD 2.18 ATS INSTALAÇÕES DE COMUNICAÇÃO
SBGL AD 2.18 ATS COMMUNICATION FACILITIES

Designador Serviço	*Indicativo*	*Frequência*	*SATVOICE*	*Endereço de LogOn*	*Horário de funcionamento*	*Observações*
Service designation	***Callsign***	***Frequency***	***SATVOICE***	***Logon address***	***Hours of operation***	***Remarks***
1	2	3	4	5	6	7
ATIS	GALEAO	127.600 MHZ	NIL	NIL	H24	D-ATIS DCL
TAXI	SOLO GALEAO GALEAO GROUND	121.650 MHZ	NIL	NIL	H24	NIL
		128.350 MHZ			H24	
INFO	OPERACOES GALEAO GALEAO OPERATION	121.000 MHZ	NIL	NIL	H24	ACFT MIL DEST SBGL obrigatório CTC para apoio GNDC MIL ACFT DEST SBGL must make contact for GNDC support.
		122.500 MHZ			H24	
		135.100 MHZ			H24	
TWR	TORRE GALEAO GALEAO TOWER	118.000 MHZ	NIL	NIL	H24	DCL
		118.200 MHZ			H24	
		121.500 MHZ			H24	
CLEARANCE	TRAFEGO GALEAO GALEAO TRAFFIC	121.000 MHZ	NIL	NIL	H24	DCL
		135.100 MHZ			H24	
SMGCS	PÁTIO GALEÃO GALEÃO APRON CONTROL	121.950 MHZ	NIL	NIL	H24	ACFT DEST PÁTIO 1, 2, 3 e 5. Obrigatório CTC com o Apron Control. ACFT DEST APRON 1,2,3 and 5. Must make contact with Apron Control.
		130.675 MHZ			H24	
		131.050 MHZ			H24	

SBGL AD 2.19 AUXÍLIOS-RÁDIO A NAVEGAÇÃO E POUSO
SBGL AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Tipo do auxílio MAG VAR CAT do ILS/MLS DECL	*ID*	*Frequência*	*Horário de funcionamento*	*Antena de transmissão, coordenadas*	*Elevação da antena de transmissão do DME*	*Raio do volume de serviço do ponto de referência GBAS*	*Cobertura/RMK*
Type of aid MAG VAR CAT of ILS/MLS DECL	*ID*	*Frequency*	*Hours of operation*	*Site of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Service volume radius from GBAS reference Point*	*Coverage/RMK*
1	2	3	4	5	6	7	8
LOC 10 (23° W) ILS CAT II	ITB	109.300 MHZ	H24	224729.1S 0431252.7W	NIL	NIL	NIL
GP 10 (23° W) ILS CAT II	ITB	332.000 MHZ	H24	224758.9S 0431508.2W	NIL	NIL	NIL
DME 10 (23° W) ILS CAT II	ITB	109.300 MHZ CH 30X	H24	224726.7S 0431253.4W	NIL	NIL	NIL
IM 10 (23° W)	ITB	75.000 MHZ	H24	224808.7S 0431526.4W	NIL	NIL	NIL
MM 10 (23° W)	ITB	75.000 MHZ	H24	224814.8S 0431550.3W	NIL	NIL	NIL
OM 10 (23° W)	ITB	75.000 MHZ	H24	224945.1S 0432143.2W	NIL	NIL	NIL
LOC 28 (23° W) ILS	ILM	111.500 MHZ	H24	224809.6S 0431530.6W	NIL	NIL	NIL
GP 28 (23° W) ILS	ILM	332.900 MHZ	H24	224731.0S 0431315.8W	NIL	NIL	NIL
DME 28 (23° W) ILS	ILM	111.500 MHZ CH 52X	H24	224809.6S 0431530.6W	3 M	NIL	NIL
LOC 15 (23° W) ILS	IJB	110.500 MHZ	H24	224948.4S 0431413.1W	NIL	NIL	NIL
GP 15 (23° W) ILS	IJB	329.600 MHZ	H24	224856.1S 0431539.6W	NIL	NIL	NIL
DME 15 (23° W) ILS	IJB	110.500 MHZ CH 42X	H24	224946.9S 0431411.3W	7 M	NIL	NIL
VOR/DME (22° W)	CXI	112.300 MHZ CH 70X	H24	224901.5S 0431536.0W	4 M	NIL	NIL
VOR/DME (23° W)	PCX	114.600 MHZ CH 93X	H24	224255.4S 0425126.9W	39 M	NIL	NIL

SBGL AD 2.20 REGULAMENTOS LOCAIS DE AERÓDROMO
SBGL AD 2.20 LOCAL AERODROME REGULATIONS

1 Regulamentos do aeroporto

1 Airport regulations

RWY Designador *RWY Designator*	*RWY borda LGT LEN, cor INTST, espaçamento* *RWY edge LGT LEN, colour, INTST, spacing*	*LGT fim RWY, cor WBAR* *RWY End LGT colour WBAR*	*SWY LGT LEN cor* *SWY LGT LEN colour*	*Observações* *Remarks*
1	7	8	9	10
20R	840 M Branco White LIH 60 M 420 M Âmbar Amber LIH 60 M	Vermelho Red	NIL	NIL
02R	882 M Branco White LIH 60 M 441 M Âmbar Amber LIH 60 M	Vermelho Red	NIL	NIL
20L	882 M Branco White LIH 60 M 441 M Âmbar Amber LIH 60 M	Vermelho Red	NIL	NIL

SBRJ AD 2.15 OUTRAS ILUMINAÇÕES, FONTE DE ENERGIA SECUNDÁRIA
SBRJ AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	**ABN/IBN localização, características e horário de operação** **ABN/IBN location, characteristics and hours of operation**	ABN: ALTN FLG W G EV 10 SEC 225438S 0431000W DLY HN IMC
2	**LDI localização e LGT, Anemômetro localização e LGT** **LDI location and LGT Anemometer location and LGT**	LDI:NIL (1) 22° 54' 33" S / 043° 09' 43" W (2) 22° 54' 51" S / 043° 09' 50" W - 1º Anemômetro de concha do lado esquerdo e a 286M da THR 20L e 105M do eixo das RWY 02R/20L. - 2º Anemômetro de concha do lado esquerdo e a 649M da THR 20L e 110M do eixo das RWY 02R/20L. (1) 22° 54' 33" S / 043° 09' 43" W (2) 22° 54' 51" S / 043° 09' 50" W. - 1º Cup anemometer on the left side, 286m from THR 20L and 105m from RWY 02R/20L centerline. - 2º Cup anemometer on the left side, 649m from THR 20L and 110m from RWY 02R/20L centerline
3	**TWY borda e LGT de centro da TWY** **TWY edge and centre line lighting**	Borda / Edge: A / B / C / D / E / F / G / H / J / K / L - Azul / Blue Eixo / Centre Line: NIL
4	**Fonte secundária de alimentação/tempo de comutação** **Secondary power supply/switch-over time**	Sim 0 SEC Yes 0 SEC

5	**Observações** **Remarks**	NIL

SBRJ AD 2.16 ÁREA DE POUSO DE HELICÓPTERO
SBRJ AD 2.16 HELICOPTER LANDING AREA

1	**TLOF ou THR da FATO coordenadas Ondulação do geóide** **Coordinates TLOF or THR of FATO Geoid undulation**	NIL
2	**TLOF ou THR da FATO elevação** **TLOF and/or FATO elevation M/FT**	NIL
3	**TLOF ou THR da FATO dimensões da área, superfície, resistência, marcas** **TLOF and FATO area dimensions, surface, strength, marking**	NIL
4	**BRG verdadeiro da FATO** **True BRG of FATO**	NIL
5	**Distâncias declaradas disponíveis** **Declared distance available**	NIL
6	**APP e FATO LGT** **APP and FATO lighting**	NIL
7	**Observações** **Remarks**	NIL

SBRJ AD 2.17 ESPAÇO AÉREO ATS
SBRJ AD 2.17 ATS AIRSPACE

Designador e limites laterais *Designation and lateral limits*	*Limites verticais* *Vertical limits*	*Classificação do espaço aéreo* *Airspace classification*	*ATS Indicativo de chamada, Idioma(s)* *ATS unit call sign Language(s)*	*TA* *Transition altitude*	*Horas de aplicabilidade* *Hours of applicability*	*Observações* *Remarks*
1	2	3	4	5	6	7
Rio CTR 224821S 0430510W - 225047S 0430609W - 225422S 0430351W - 230047S 0430335W - 230127S 0430647W - 225946S 0430930W - 225812S 0430952W - 225727S 0431033W - 225749S 0431205W - 225438S 0431234W - 225303S 0431355W	1500 FT AGL GND	D	RIO GROUND SOLO RIO SANTOS DUMONT RIO DE JANEIRO AIRPORT AEROPORTO SANTOS DUMONT RIO DE JANEIRO TORRE RIO RIO TOWER Inglês, Português English, Portuguese	7000 FT AMSL		NIL

SBRJ AD 2.18 ATS INSTALAÇÕES DE COMUNICAÇÃO
SBRJ AD 2.18 ATS COMMUNICATION FACILITIES

Designador Serviço *Service designation*	*Indicativo* *Callsign*	*Frequência* *Frequency*	*SATVOICE* *SATVOICE*	*Endereço de LogOn* *Logon address*	*Horário de funcionamento* *Hours of operation*	*Observações* *Remarks*
1	2	3	4	5	6	7
INFO	TATICA GEIV GEIV TATICS	123.500 MHZ	NIL	NIL	DLY 1100 - 2000	ACFT MIL MIL ACFT
TAXI	SOLO RIO RIO GROUND	121.700 MHZ	NIL	NIL	DLY 0850 - 2400	NIL

RWY Designador *RWY Designator*	*RWY borda LGT LEN, cor INTST, espaçamento* *RWY edge LGT LEN, colour, INTST, spacing*	*LGT fim RWY, cor WBAR* *RWY End LGT colour WBAR*	*SWY LGT LEN cor* *SWY LGT LEN colour*	*Observações* *Remarks*
1	7	8	9	10
17R	103 M Vermelho Red LIH 30 M 1180 M Branco White LIH 30 M 600 M Âmbar Amber LIH 30 M	Vermelho Red	NIL	NIL
35L	1276 M Branco White LIH 30 M 580 M Âmbar Amber LIH 30 M	Vermelho Red	NIL	NIL

SBSP AD 2.15 OUTRAS ILUMINAÇÕES, FONTE DE ENERGIA SECUNDÁRIA
SBSP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	**ABN/IBN localização, características e horário de operação** **ABN/IBN location, characteristics and hours of operation**	ABN: ALTN FLG W G EV 3 SEC ABN: ALTN FLG W G EV 3 SEC 233754S 0463922W DLY HN DLY HN IMC
2	**LDI localização e LGT, Anemômetro localização e LGT** **LDI location and LGT Anemometer location and LGT**	LDI:NIL WDI: 23°37'23"S/046°39'27"W Anemômetros: - Anemômetro 1 (THR 17) do lado esquerdo e a 349,05 m da THR 17R e 104,52 m do eixo da RWY 17R/35L; - Anemômetro 2 (THR 17) do lado esquerdo e a 415,81m da THR 17R e a 104,67 m do eixo da RWY 17R/35L; - Anemômetro 3 (THR 35) do lado direito e a 384,04 m da THR 35L e a 104,24 m do eixo da RWY 17R/35L. WDI: 23°37'23"S/046°39'27"W Anemometers: - Anemometer 1 (THR 17) to the left, 349.05 m from THR 17R and 104.52 m from RWY 17R/35L centerline; - Anemometer 2 (THR 17) to the left, 415.81m m from THR 17R and 104.67 m from RWY 17R/35L centerline; - Anemometer 3 (THR 35) to the right, 384.04 m from THR 35L and 104.24 m from RWY 17R/35L centerline.

3	**TWY borda e LGT de centro da TWY** **TWY edge and centre line lighting**	Borda / Edge: B / C / D / E / F / H / I / J / K / L / M / O / Q / R / S (Incompleta próximo ao pátio 1 de aviação geral/Incomplete next to apron 1 of general aviation) / T - Azul / Blue Eixo / Centre Line: NIL
4	**Fonte secundária de alimentação/tempo de comutação** **Secondary power supply/switch-over time**	Sim 0 SEC. Yes 0 SEC.
5	**Observações** **Remarks**	NIL

SBSP AD 2.16 ÁREA DE POUSO DE HELICÓPTERO
SBSP AD 2.16 HELICOPTER LANDING AREA

1	**TLOF ou THR da FATO coordenadas Ondulação do geóide** **Coordinates TLOF or THR of FATO Geoid undulation**	NIL
2	**TLOF ou THR da FATO elevação** **TLOF and/or FATO elevation M/FT**	NIL
3	**TLOF ou THR da FATO dimensões da área, superfície, resistência, marcas** **TLOF and FATO area dimensions, surface, strength, marking**	NIL
4	**BRG verdadeiro da FATO** **True BRG of FATO**	NIL
5	**Distâncias declaradas disponíveis** **Declared distance available**	NIL
6	**APP e FATO LGT** **APP and FATO lighting**	NIL
7	**Observações** **Remarks**	NIL

SBSP AD 2.17 ESPAÇO AÉREO ATS
SBSP AD 2.17 ATS AIRSPACE

Designador e limites laterais ***Designation and lateral limits***	***Limites verticais*** ***Vertical limits***	***Classificação do espaço aéreo*** ***Airspace classification***	***ATS Indicativo de chamada, Idioma(s)*** ***ATS unit call sign Language(s)***	***TA*** ***Transition altitude***	***Horas de aplicabilidade*** ***Hours of applicability***	***Observações*** ***Remarks***
1	2	3	4	5	6	7
São Paulo CTR 233309S 0464538W - 233132S 0464253W - 233140S 0464013W - 234206S 0463301W - 234447S 0463736W	3600 FT AGL GND	D	SAO PAULO INFORMACAO SAO PAULO INFORMATION SAO PAULO TOWER TORRE SAO PAULO CONTROLE HELICOPTERO HELICOPTER CONTROL Português, Inglês Portuguese, English	8000 FT AMSL	H24	ÁREA DE CONTROLE HELICÓPTERO Controle Helicóptero / Helicopter Control Português - Inglês Observar área de operação simultânea de Aviões IFR e Helicópteros VFR na aproximação final da Pista 17 de São Paulo Congonhas

2	**LDI localização e LGT, Anemômetro localização e LGT** **LDI location and LGT Anemometer location and LGT**	LDI:NIL WDI RWY 10/28: 12° 54' 41" S / 038° 20' 00" W WDI RWY 17/35: 12° 54' 34" S / 038° 20' 29" W - 1º Anemômetro de concha do lado direito, a 430M da THR 10 e a 100M do eixo das RWY 10/28. - 2º Anemômetro de concha (de emergência) do lado direito, a 441M da THR 10 e a 100M do eixo das RWY 10/28. - 3º Anemômetro de concha do lado esquerdo, a 335M da THR 28 e a 90M do eixo das RWY 10/28. WDI RWY 10/28: 12° 54' 41" S / 038° 20' 00" W WDI RWY 17/35: 12° 54' 34" S / 038° 20' 29" W - 1º Cup anemometer on the righ side, 430M from THR 10 and 100M from RWY 10/28 centerline; - 2º Cup anemometer (emergency) on the right side, 441M from THR 10 and 100M from RWY 10/28 centerline; - 3º Cup anemometer on the left side, 335 M from THR 28 and 90M from RWY 10/28 centerline.
3	**TWY borda e LGT de centro da TWY** **TWY edge and centre line lighting**	Borda / Edge: A / B / C / D / E / F / G / J1 / J2 / J3 / K / L / M1 / M / N / P / Q / R - Azul / Blue Eixo / Centre Line: NIL
4	**Fonte secundária de alimentação/tempo de comutação** **Secondary power supply/switch-over time**	Sim. 0 SEC Yes 0 SEC
5	**Observações** **Remarks**	NIL

SBSV AD 2.16 ÁREA DE POUSO DE HELICÓPTERO
SBSV AD 2.16 HELICOPTER LANDING AREA

1	**TLOF ou THR da FATO coordenadas Ondulação do geóide** **Coordinates TLOF or THR of FATO Geoid undulation**	NIL
2	**TLOF ou THR da FATO elevação** **TLOF and/or FATO elevation M/FT**	NIL
3	**TLOF ou THR da FATO dimensões da área, superfície, resistência, marcas** **TLOF and FATO area dimensions, surface, strength, marking**	NIL
4	**BRG verdadeiro da FATO** **True BRG of FATO**	NIL
5	**Distâncias declaradas disponíveis** **Declared distance available**	NIL
6	**APP e FATO LGT** **APP and FATO lighting**	NIL
7	**Observações** **Remarks**	NIL

SBSV AD 2.17 ESPAÇO AÉREO ATS
SBSV AD 2.17 ATS AIRSPACE

Designador e limites laterais	*Limites verticais*	*Classificação do espaço aéreo*	*ATS Indicativo de chamada, Idioma(s)*	*TA*	*Horas de aplicabilidade*	*Observações*
Designation and lateral limits	*Vertical limits*	*Airspace classification*	*ATS unit call sign Language(s)*	*Transition altitude*	*Hours of applicability*	*Remarks*
1	2	3	4	5	6	7
Salvador CTR Área circular com centro em / Circular area centered on 125400S 0381900W com um raio de / within a 21 NM.	FL035 GND	C	SALVADOR CONTROL CONTROLE SALVADOR Inglês, Português English, Portuguese	7000 FT AMSL	H24	NIL

SBSV AD 2.18 ATS INSTALAÇÕES DE COMUNICAÇÃO
SBSV AD 2.18 ATS COMMUNICATION FACILITIES

Designador Serviço	*Indicativo*	*Frequência*	*SATVOICE*	*Endereço de LogOn*	*Horário de funcionamento*	*Observações*
Service designation	*Callsign*	*Frequency*	*SATVOICE*	*Logon address*	*Hours of operation*	*Remarks*
1	2	3	4	5	6	7
ATIS	INTERNACIONAL DE SALVADOR INFORMACAO SALVADOR ATIS	127.750 MHZ	NIL	NIL	H24	NIL
CLEARANCE	TRAFEGO SALVADOR SALVADOR CLEARANCE	121.100 MHZ	NIL	NIL	H24	NIL
		122.500 MHZ			H24	
TAXI	SOLO SALVADOR SALVADOR GROUND	121.900 MHZ	NIL	NIL	H24	NIL
INFO	OPERACOES SALVADOR SALVADOR OPERATIONS	121.100 MHZ	NIL	NIL	H24	NIL
		122.500 MHZ			H24	
TWR	TORRE SALVADOR SALVADOR TOWER	118.300 MHZ	NIL	NIL	H24	NIL
		118.600 MHZ			H24	
		118.950 MHZ			H24	
		121.100 MHZ			H24	
		121.500 MHZ			H24	

SBSV AD 2.19 AUXÍLIOS-RÁDIO A NAVEGAÇÃO E POUSO
SBSV AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Tipo do auxílio MAG VAR CAT do ILS/MLS DECL	*ID*	*Frequência*	*Horário de funcionamento*	*Antena de transmissão, coordenadas*	*Elevação da antena de transmissão do DME*	*Raio do volume de serviço do ponto de referência GBAS*	*Cobertura/RMK*
Type of aid MAG VAR CAT of ILS/MLS DECL	*ID*	*Frequency*	*Hours of operation*	*Site of transmitting antenna coordinates*	*Elevation of DME transmitting antenna*	*Service volume radius from GBAS reference Point*	*Coverage/RMK*
1	2	3	4	5	6	7	8
LOC 10 (23° W) ILS	ISA	111.900 MHZ	H24	125418.9S 0381821.8W	NIL	NIL	NIL