



CODING TABLE

STAR RNAV UTBOM 1A RWY 10					RIO DE JANEIRO / Galeão – Antônio Carlos Jobim, INTL (SBGL)							SBGL_STAR_02B		08 NOV 18	
Seq Num	Transition Identifier	Fly Over	Rec Navaid	Fix Ident	Path and Terminator	Course Angle	Turn	Upper Limit Altitude (FT)	Lower Limit Altitude (FT)	Speed Limit (KT)	Speed Limit Description	TM DST	VA (°)	Role of the Fix	Navigation Specification
10	MAVGU	N	N/A	MAVGU	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1
20	MAVGU	N	N/A	OGMUK	TF	171° Mag 148.8T	N/A	N/A	N/A	N/A	N/A	8.2	N/A	OTHER	RNAV 1 or RNP 1
30	MAVGU	N	N/A	IVREV	TF	177° Mag 154.3T	N/A	-25000	N/A	N/A	N/A	18.0	N/A	OTHER	RNAV 1 or RNP 1
40	MAVGU	N	N/A	UTNUG	TF	177° Mag 154.2T	N/A	N/A	N/A	N/A	N/A	30.9	N/A	OTHER	RNAV 1 or RNP 1
50	MAVGU	N	N/A	VAKUB	TF	177° Mag 154.2T	N/A	-12000	N/A	N/A	N/A	10.6	N/A	OTHER	RNAV 1 or RNP 1
60	MAVGU	N	N/A	GIGSO	TF	177° Mag 154.2T	N/A	N/A	+7000	N/A	N/A	6.0	N/A	OTHER	RNAV 1 or RNP 1
70	MAVGU	N	N/A	UTBOM	TF	177° Mag 154.1T	N/A	N/A	+6300	N/A	N/A	5.5	N/A	OTHER	RNAV 1 or RNP 1
10	MOLSU	N	N/A	MOLSU	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1
20	MOLSU	N	N/A	DOKTO	TF	233° Mag 209.4T	N/A	-28000	N/A	N/A	N/A	18.1	N/A	OTHER	RNAV 1 or RNP 1
30	MOLSU	N	N/A	GL006	TF	279° Mag 255.6T	N/A	B22000	B19000	N/A	N/A	27.9	N/A	OTHER	RNAV 1 or RNP 1
40	MOLSU	N	N/A	GL014	TF	279° Mag 255.7T	N/A	B20000	B19000	N/A	N/A	10.0	N/A	OTHER	RNAV 1 or RNP 1
50	MOLSU	N	N/A	GL016	TF	279° Mag 255.7T	N/A	B19000	B15000	N/A	N/A	12.6	N/A	OTHER	RNAV 1 or RNP 1
60	MOLSU	N	N/A	SURNA	TF	279° Mag 255.8T	N/A	N/A	+13000	N/A	N/A	13.9	N/A	OTHER	RNAV 1 or RNP 1
70	MOLSU	N	N/A	GL017	TF	224° Mag 201.2T	N/A	-12000	N/A	N/A	N/A	5.0	N/A	OTHER	RNAV 1 or RNP 1
80	MOLSU	N	N/A	GIGSO	TF	224° Mag 201.3T	N/A	N/A	+7000	N/A	N/A	7.1	N/A	OTHER	RNAV 1 or RNP 1
90	MOLSU	N	N/A	UTBOM	TF	176.82° Mag 154.09° True	N/A	N/A	+6300	N/A	N/A	5.5	N/A	OTHER	RNAV 1 or RNP 1
10	MEBGA	N	N/A	MEBGA	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1

20	MEBGA	N	N/A	KOSRU	TF	120° Mag 97.7T	N/A	N/A	N/A	N/A	N/A	8.7	N/A	OTHER	RNAV 1 or RNP 1
30	MEBGA	N	N/A	PAI	TF	120° Mag 97.7T True	N/A	N/A	+11000	N/A	N/A	6.7	N/A	OTHER	RNAV 1 or RNP 1
40	MEBGA	N	N/A	GL021	TF	117° Mag 94.2T	N/A	N/A	N/A	N/A	N/A	5.0	N/A	OTHER	RNAV 1 or RNP 1
50	MEBGA	N	N/A	UTBOM	TF	153° Mag 130.4T	N/A	N/A	+6300	N/A	N/A	16.7	N/A	OTHER	RNAV 1 or RNP 1
10	RWY	N	N/A	UTBOM	IF	N/A	N/A	N/A	+6300	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1
20	RWY	N	N/A	ALMOS	TF	177° Mag 154.2T	N/A	N/A	+6300	N/A	N/A	5.1	N/A	IAF	RNAV 1 or RNP 1
30	RWY	N	N/A	ALMOS	FM	275° Mag	N/A	N/A	+6300	N/A	N/A	N/A	N/A	IAF	RNAV 1 or RNP 1

STAR RNAV UTBOM 1A RWY 15					RIO DE JANEIRO / Galeão – Antônio Carlos Jobim, INTL (SBGL)							SBGL_STAR_02B		08 NOV 18	
Seq Num	Transition Identifier	Fly Over	Rec Navaid	Fix Ident	Path and Terminator	Course Angle	Turn	Upper Limit Altitude (FT)	Lower Limit Altitude (FT)	Speed Limit (KT)	Speed Limit Description	TM DST	VA (°)	Role of the Fix	Navigation Specification
10	MAVGU	N	N/A	MAVGU	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1
20	MAVGU	N	N/A	OGMUK	TF	171° Mag 148.8T	N/A	N/A	N/A	N/A	N/A	8.2	N/A	OTHER	RNAV 1 or RNP 1
30	MAVGU	N	N/A	IVREV	TF	177° Mag 154.3T	N/A	-25000	N/A	N/A	N/A	18.0	N/A	OTHER	RNAV 1 or RNP 1
40	MAVGU	N	N/A	UTNUG	TF	177° Mag 154.2T	N/A	N/A	N/A	N/A	N/A	30.9	N/A	OTHER	RNAV 1 or RNP 1
50	MAVGU	N	N/A	VAKUB	TF	177° Mag 154.2T	N/A	-12000	N/A	N/A	N/A	10.6	N/A	OTHER	RNAV 1 or RNP 1
60	MAVGU	N	N/A	GIGSO	TF	177° Mag 154.2T	N/A	N/A	+7000	N/A	N/A	6.0	N/A	OTHER	RNAV 1 or RNP 1
70	MAVGU	N	N/A	UTBOM	TF	177° Mag 154.1T	N/A	N/A	+6300	N/A	N/A	5.5	N/A	IAF	RNAV 1 or RNP 1
10	MOLSU	N	N/A	MOLSU	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1
20	MOLSU	N	N/A	DOKTO	TF	233° Mag 209.4T	N/A	-28000	N/A	N/A	N/A	18.1	N/A	OTHER	RNAV 1 or RNP 1
30	MOLSU	N	N/A	GL006	TF	279° Mag 255.6T	N/A	B22000	B19000	N/A	N/A	27.9	N/A	OTHER	RNAV 1 or RNP 1
40	MOLSU	N	N/A	GL014	TF	279° Mag 255.7T	N/A	B20000	B19000	N/A	N/A	10.0	N/A	OTHER	RNAV 1 or RNP 1
50	MOLSU	N	N/A	GL016	TF	279° Mag 255.7T	N/A	B19000	B15000	N/A	N/A	12.6	N/A	OTHER	RNAV 1 or RNP 1
60	MOLSU	N	N/A	SURNA	TF	279° Mag 255.8T	N/A	N/A	+13000	N/A	N/A	13.9	N/A	OTHER	RNAV 1 or RNP 1
70	MOLSU	N	N/A	GL017	TF	224° Mag 201.2T	N/A	-12000	N/A	N/A	N/A	5.0	N/A	OTHER	RNAV 1 or RNP 1
80	MOLSU	N	N/A	GIGSO	TF	224° Mag 201.3T	N/A	N/A	+7000	N/A	N/A	7.1	N/A	OTHER	RNAV 1 or RNP 1

90	MOLSU	N	N/A	UTBOM	TF	176.82° Mag 154.09° True	N/A	N/A	+6300	N/A	N/A	5.5	N/A	IAF	RNAV 1 or RNP 1
10	MEBGA	N	N/A	MEBGA	IF	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	OTHER	RNAV 1 or RNP 1
20	MEBGA	N	N/A	KOSRU	TF	120° Mag 97.7T	N/A	N/A	N/A	N/A	N/A	8.7	N/A	OTHER	RNAV 1 or RNP 1
30	MEBGA	N	N/A	PAI	TF	120° Mag 97.7T True	N/A	N/A	+11000	N/A	N/A	6.7	N/A	OTHER	RNAV 1 or RNP 1
40	MEBGA	N	N/A	GL021	TF	117° Mag 94.2T	N/A	N/A	N/A	N/A	N/A	5.0	N/A	OTHER	RNAV 1 or RNP 1
50	MEBGA	N	N/A	UTBOM	TF	153° Mag 130.4T	N/A	N/A	+6300	N/A	N/A	16.7	N/A	IAF	RNAV 1 or RNP 1

Ident	Latitude / Longitude (WGS84) DD:MM:SS.SS
PAI	S 22:27:14.59W 43:50:25.82
MAVGU	S 21:27:20.04W 44:08:59.08
OGMUK	S 21:34:23.67W 44:04:25.01
IVREV	S 21:50:40.56W 43:56:02.65
UTNUG	S 22:18:34.54W 43:41:36.82
VAKUB	S 22:28:09.13W 43:36:38.13
MOLSU	S 21:50:23.40W 42:12:17.40
DOKTO	S 22:06:15.36W 42:21:52.62
GL006	S 22:13:15.23W 42:50:58.83
GL014	S 22:15:44.46W 43:01:25.41
GL016	S 22:18:51.52W 43:14:35.42
SURNA	S 22:22:16.07W 43:29:05.17
GL017	S 22:26:55.88W 43:31:02.07
GIGSO	S 22:33:34.30W 43:33:48.77
MEBGA	S 22:25:09.60W 44:06:56.40
KOSRU	S 22:26:20.49W 43:57:36.30
GL021	S 22:27:36.46W 43:45:02.08
UTBOM	S 22:38:31.80W 43:31:13.20
ALMOS	S 22:43:06.90W 43:28:49.92

COD	Meaning
+	AT OR ABOVE
-	AT OR BELOW
@	AT
R	RECOMMENDED
B	BETWEEN
=	AS ASSIGNED
SDF	STEPPDOWN FIX
Y	YES
N	NO
L	LEFT
R	RIGHT
N/A	NOT APPLICABLE