



CODING TABLE

RNP S RWY 09L (AR)					SÃO PAULO / Guarulhos - Governador André Franco Montoro (SBGR)							SBGR_IAC_05A		20 MAY 21	
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 (NM)	VA (°)	Role of the Fix	Navigation Specification
10	APCH	N/A	N/A	SANPA	IF	N/A	N/A	N/A	+8000	N/A	N/A	N/A	N/A	IAF	RNP 1.0
20	APCH	N	N/A	GR037	TF	175.00° Mag / 153.33° True	N/A	N/A	+7000	N/A	N/A	4.41	N/A	OTHER	RNP 1.0
30	APCH	N/A	N/A	GR031	RF	N/A	R	N/A	+5200	210	-	6.44	N/A	IF	RNP 1.0
N/A	N/A	N/A	N/A	GR039	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 4.00	N/A	N/A	N/A
10	APCH	N	N/A	ITAVO	IF	N/A	N/A	N/A	+8000	N/A	N/A	N/A	N/A	IAF	RNP 1.0
20	APCH	N	N/A	GR034	TF	351.02° Mag / 329.33° True	N/A	N/A	+7000	N/A	N/A	6.00	N/A	OTHER	RNP 1.0
30	APCH	N/A	N/A	GR031	RF	N/A	L	N/A	+5200	210	-	5.85	N/A	IF	RNP 1.0
N/A	N/A	N/A	N/A	GR042	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 4.00	N/A	N/A	N/A
10	FINAL	N/A	N/A	GR031	IF	N/A	N/A	N/A	+5200	N/A	N/A	N/A	N/A	IF	RNP 1.0
20	FINAL	N/A	N/A	GR029	RF	N/A	L	N/A	R4800	180	-	2.50	N/A	FAF	RNP 1.0
N/A	N/A	N/A	N/A	GR038	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 2.50	N/A	N/A	N/A
30	FINAL	N/A	N/A	GR028	RF	N/A	L	N/A	R3154	N/A	N/A	5.00	-3.10	FROP	RNP 0.3
N/A	N/A	N/A	N/A	GR038	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 2.50	N/A	N/A	N/A
40	FINAL	Y	N/A	RW09L	TF	95.35° Mag / 73.70° True	N/A	N/A	@2495	N/A	N/A	2.00	-3.10	LTP/FTP	RNP 0.3
10	MA	N	N/A	GR032	TF	95.35° Mag / 73.70° True	N/A	-6000	N/A	190	-	5.50	N/A	OTHER	RNP 1.0
20	MA	N/A	N/A	GR044	RF	N/A	L	N/A	N/A	190	-	8.53	N/A	OTHER	RNP 1.0
N/A	N/A	N/A	N/A	GR743	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 3.58	N/A	N/A	N/A

30	MA	N	N/A	GR047	TF	319.03° Mag / 297.30° True	N/A	N/A	N/A	N/A	N/A	3.58	N/A	OTHER	RNP 1.0
40	MA	N	N/A	SANPA	TF	321.38° Mag / 299.67° True	N/A	N/A	N/A	N/A	N/A	7.43	N/A	MAHF	RNP 1.0
50	MA	N	N/A	SANPA	HM	175.00° Mag / 153.33° True	R	N/A	+8000	N/A	N/A	1.00 min	N/A	MAHF	RNP 1.0

Ident	Latitude / Longitude (WGS84) DD:MM:SS.SS
GR031	S 23:21:54.88W 46:32:55.42
GR029	S 23:23:50.19W 46:34:29.41
GR038	S 23:24:11.93W 46:31:48.06
GR028	S 23:26:36.39W 46:31:02.30
GR032	S 23:24:29.49W 46:23:12.74
GR044	S 23:17:50.80W 46:22:31.34
GR743	S 23:21:02.49W 46:24:18.51
GR047	S 23:16:11.81W 46:25:58.83
SANPA	S 23:12:30.33W 46:32:59.11
GR037	S 23:16:27.49W 46:30:50.18
GR039	S 23:18:15.57W 46:34:43.13
ITAVO	S 23:28:42.21W 46:24:03.52
GR034	S 23:23:31.48W 46:27:23.11
GR042	S 23:25:34.16W 46:31:07.62
RW09L	S 23:26:02.59W 46:28:57.06

COD	Meaning
+	AT OR ABOVE
-	AT OR BELOW
@	AT
R	RECOMMENDED
B	BETWEEN
=	AS ASSIGNED
SDF	STEPDOWN FIX
Y	YES
N	NO
L	LEFT
R	RIGHT
N/A	NOT APPLICABLE
FROP	FINAL APPROACH ROLLOUT POINT
LTP	LANDING THRESHOLD POINT
FTP	FICTITIOUS THRESHOLD POINT

MISSED APPROACH SEGMENT																
Track	Bank Angle(°)		TWC (KT)		IAS (KT)		D_{MASRNP} (NM)		TrD (NM)		Gradient (%)		RNP (NM)		TP Altitude (FT)	
	Used /	STD	Used /	STD	Used /	STD	Used /	STD	Used /	STD	Used /	STD	Used /	STD	Used /	STD
ALL PARAMETERS ARE ACCORDING TO ICAO DOCUMENTS																

COD	Meaning
STD	Value according to ICAO Documents
TWC	Tail Wind Component
IAS	Indicated Air Speed
D _{frop}	Distance FROP-THEL
FROP	Final Roll-Out Point
TrD	Track Distance (Needed to comply turns)
TP Altitude	Turning Point Altitude
THEL	Threshold elevation
D _{MASRNP}	Maximum distance of RNP navigation accuracy (requirement less than 1.0 NM in the missed approach)