



CODING TABLE

IAC RNP X RWY 20L (AR)					RIO DE JANEIRO / Santos Dumont (SBRJ)							SBRJ_IAC_01G		20 APR 23	
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	EVRIR	IF	N/A	N/A	N/A	@5500	N/A	N/A	N/A	N/A	IAF	RNP 1.0
20	APCH	N	N/A	RJ932	TF	323.06° Mag / 299.97° True	N/A	B4500	B2500	N/A	N/A	3.50	N/A	OTHER	RNP 1.0
30	APCH	N	N/A	RJ226	TF	323.06° Mag / 299.99° True	N/A	N/A	+2500	N/A	N/A	5.31	N/A	OTHER	RNP 1.0
40	APCH	N	N/A	RJ227	TF	311.50° Mag / 288.40° True	N/A	N/A	+2500	N/A	N/A	5.00	N/A	IF	RNP 1.0
10	FINAL	N/A	N/A	RJ227	IF	N/A	N/A	N/A	+2500	N/A	N/A	N/A	N/A	IF	RNP 1.0
20	FINAL	N	N/A	RJ251	TF	327.71° Mag / 304.69° True	N/A	N/A	+2140	N/A	N/A	3.20	N/A	OTHER	RNP 0.5
30	FINAL	N	N/A	RJ933	TF	328.36° Mag / 305.34° True	N/A	N/A	+1830	N/A	N/A	1.00	N/A	OTHER	RNP 0.5
40	FINAL	N	N/A	RJ241	TF	328.36° Mag / 305.35° True	N/A	N/A	R1530	N/A	N/A	1.00	N/A	FAF	RNP 0.1
50	FINAL	N	N/A	RJ911	TF	328.36° Mag / 305.35° True	N/A	N/A	+1100	140	-	N/A	-2.90	OTHER	RNP 0.1
60	FINAL	Y	N/A	RJ906	RF	N/A	L	N/A	+357	N/A	N/A	2.41	-2.90	FROP	RNP 0.1
N/A	N/A	N/A	N/A	RJ915*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 1.1	N/A	RF center	N/A
70	FINAL	Y	N/A	RW20L	TF	199.56° Mag / 176.57° True	N/A	N/A	+50	N/A	N/A	1.00	N/A	LTP	RNP 0.15
10	MA	N	N/A	RJ907	TF	199.55° Mag / 176.57° True	N/A	N/A	+500	N/A	N/A	0.71	N/A	OTHER	RNP 0.2
20	MA	N/A	N/A	RJ908	RF	N/A	L	N/A	N/A	175	-	N/A	N/A	OTHER	RNP 0.2
N/A	N/A	N/A	N/A	RJ910*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 2.2	N/A	RF center	N/A
30	MA	Y	N/A	RJ909	TF	155.73° Mag / 132.74° True	N/A	N/A	N/A	N/A	N/A	3.12	N/A	OTHER	RNP 1.0
40	MA	N	N/A	UTGAX	TF	163.03° Mag / 140.04° True	N/A	N/A	N/A	N/A	N/A	4.27	N/A	OTHER	RNP 1.0

50	MA	N/A	N/A	RJ249	RF	N/A	L	N/A	N/A	N/A	N/A	7.16	N/A	OTHER	RNP 1.0
N/A	N/A	N/A	N/A	RJ255*	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ARC RADIUS 6.4	N/A	RF center	N/A
60	MA	Y	N/A	EVRIR	TF	98.55° Mag / 75.86° True	N/A	N/A	@5500	N/A	N/A	7.35	N/A	MAHF	RNP 1.0
70	MA	Y	N/A	EVRIR	HM	310.00° Mag / 287.50° True	L	N/A	@5500	N/A	N/A	1.00 min	N/A	MAHF	RNP 1.0

* Fictitious point only for coding purposes.

Latitude / Longitude (WGS84) DD:MM:SS.SS	
EVRIR	S 23:02:09.60 / W 42:48:48.00
RJ932	S 23:00:24.30 / W 42:52:05.18
RJ226	S 22:57:44.40 / W 42:57:04.20
RJ227	S 22:56:09.00 / W 43:02:12.60
RJ251	S 22:54:18.10 / W 43:05:01.50
RJ933	S 22:53:43.26 / W 43:05:54.49
RJ241	S 22:53:08.40 / W 43:06:47.50
RJ911	S 22:52:19.85 / W 43:08:01.38
RJ906	S 22:53:16.46 / W 43:09:51.45
RJ915	S 22:53:12.59 / W 43:08:41.78
RW20L	S 22:54:16.56 / W 43:09:47.56
RJ907	S 22:54:59.48 / W 43:09:44.78
RJ908	S 22:56:26.95 / W 43:09:00.05
RJ910	S 22:54:51.70 / W 43:07:25.04
RJ909	S 22:58:34.34 / W 43:06:31.13
UTGAX	S 23:01:51.42 / W 43:03:32.65
RJ249	S 23:03:57.58 / W 42:56:32.31
RJ255	S 22:57:43.55 / W 42:58:13.62

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
LTP	LANDING THRESHOLD POINT
FTP	FICTITIOUS THRESHOLD POINT

SPECIAL PARAMETERS TABLE

This table contains the parameter values that differ from the standard values established in RNP AR Manual (Doc 9905) and/or PANS-OPS (Doc 8168) and has the objective to assist operators during the approval process by the competent Aeronautical Authority, especially regarding the Flight Operational Safety Assessment. These parameters take into account only design criteria contained in Doc 9905 and Doc 8168. Airworthiness special parameters were not considered for this classification.

SPECIAL PROCEDURE																
INITIAL APPROACH SEGMENT																
Track	Bank Angle(°) Used / STD		TWC (KT) Used / STD		IAS (KT) Used / STD		Dfrop (NM) Used / STD		TrD (NM) Used / STD		Gradient (%) Used / STD		RNP (NM) Used / STD		TP Altitude (FT) Used / STD	
ALL PARAMETERS ARE ACCORDING TO ICAO DOCUMENTS																
INTERMEDIATE APPROACH SEGMENT																
Track	Bank Angle(°) Used / STD		TWC (KT) Used / STD		IAS (KT) Used / STD		Dfrop (NM) Used / STD		TrD (NM) Used / STD		Gradient (%) Used / STD		RNP (NM) Used / STD		TP Altitude (FT) Used / STD	
ALL PARAMETERS ARE ACCORDING TO ICAO DOCUMENTS																
FINAL APPROACH SEGMENT																
Track	Bank Angle(°) Used / STD		TWC (KT) Used / STD		IAS (KT) Used / STD		Dfrop (NM) Used / STD		TrD (NM) Used / STD		Gradient (%) Used / STD		RNP (NM) Used / STD		TP Altitude (FT) Used / STD	
RJ241-RJ911	---	---	---	---	---	---	---	---	---	---	5.07	5.24	0.1	0.3	---	---
RJ911-RJ906	22	18/20	12	50	---	---	---	---	---	---	5.07	5.24	0.1	0.3	---	---
RJ906-RW20L	---	---	---	---	---	---	1.0	3.18	---	---	5.07	5.24	0.1	0.3	---	---

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
RW20L-RJ907	---	---	30	50	---	---	0.7	1.22	---	---	---	---	0.15	1.0	---	---
RJ907-RJ908	---	---	30	50	175	240	---	---	---	---	---	---	0.2	1.0	---	---
RJ908-RJ909	---	---	---	---	---	---	---	---	---	---	---	---	0.2	1.0	---	---

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)