

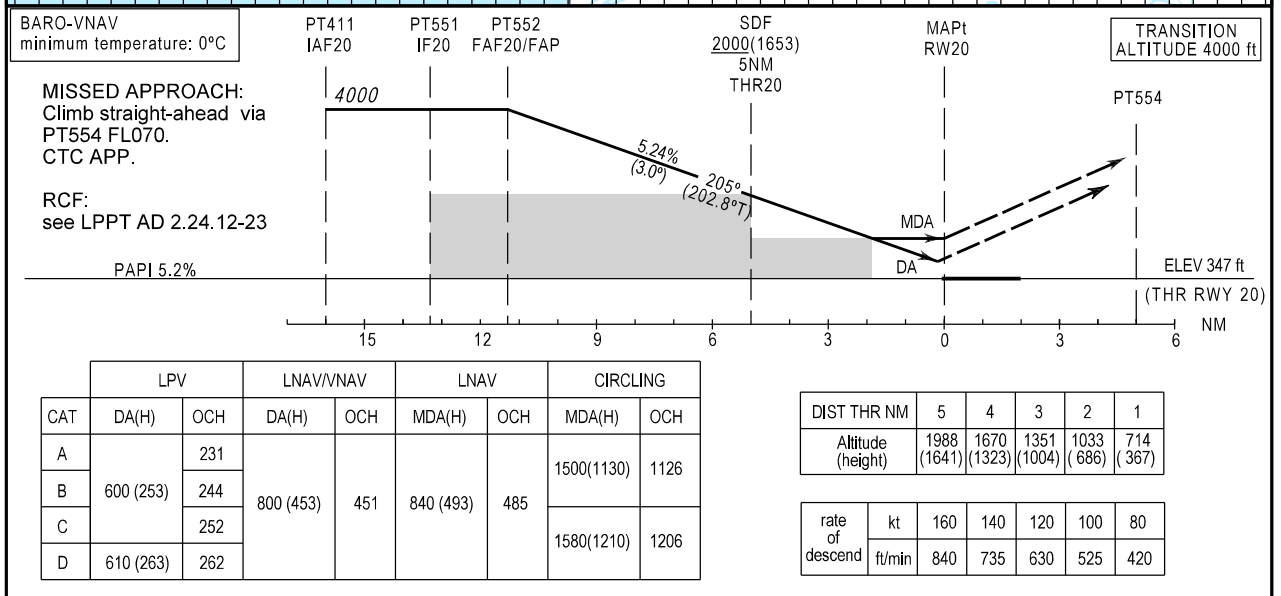
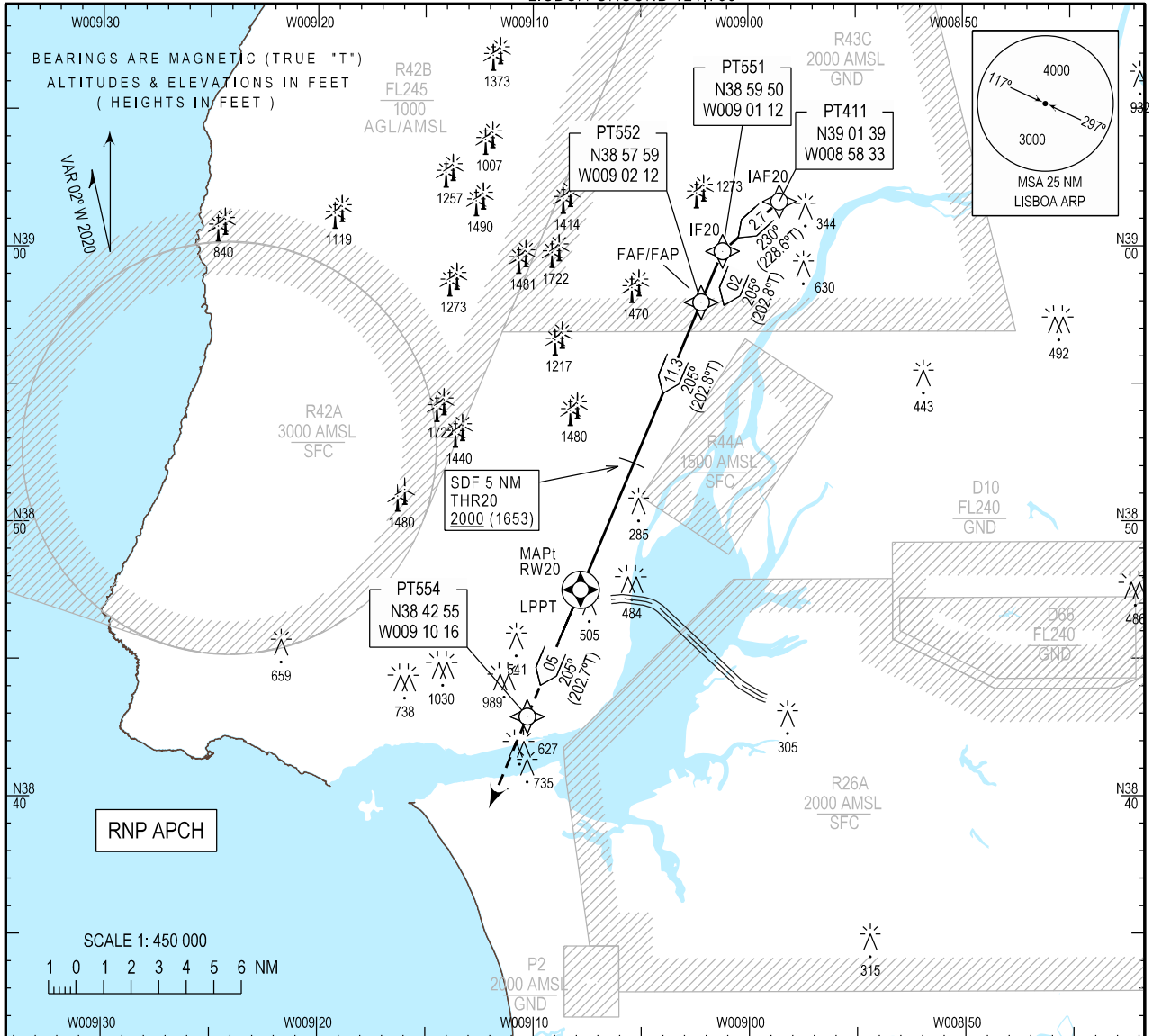
INSTRUMENT APPROACH CHART - ICAO

AD ELEV 355 ft
HEIGHTS RELATED
THR RWY 20 - ELEV 347 ft

LISBOA ARR INFORMATION 124.155
LISBOA APPROACH 119.105
LISBOA ARRIVAL 125.130
LISBOA TOWER 118.105
LISBOA GROUND 121.755

EGNOS
CH 97981
E21A
RDH: 50

LISBOA Humberto Delgado (LPPT)
RNP RWY 20



MAG VAR changed. New RWY designator.

Instrument Approach Procedure Coding Table
Lisboa RNP RWY 20

Path Terminator	Waypoint				Course/Track MAG (True)	Dist NM	Turn Direction	Altitude	Speed	RNP Value NM	Navigation Specification	Remarks
	Identifier	Type	Flyover	Coordinates								
IF	PT411	IAF	-	390139.34N 0085833.34W	-	-	-	+4000FT	-	1.0	RNP APCH	-
TF	PT551	IF	-	385950.45N 0090111.84W	230 (228.7)	2.74	-	+4000FT	-	1.0	RNP APCH	-
TF	PT552	FAF/FAP	-	385759.16N 0090211.76W	205 (202.8)	2.01	-	@4000FT	-	0.3	RNP APCH	-
TF	RW20	MAPt (LNAV only)	Y	384732.36N 0090748.17W	205 (202.8)	11.32	-	-	-	1.0	RNP APCH	-
TF	PT554	-	-	384255.30N 0091016.09W	205 (202.7)	5.00	-	-	-	1.0	RNP APCH	-
VM		-	-		205 (202.7)	-	-	@FL070	-	1.0	RNP APCH	-

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LPPT
Runway	20
Runway Direction	0
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E20A
LTP/FTP Latitude	384732.3600N
LTP/FTP Longitude	0090748.1700W
LTP/FTP Ellipsoidal Height (metres)	159.1
FPAP Latitude	384556.4600N
Delta FPAP Latitude (seconds)	-95.9000
FPAP Longitude	0090839.4800W
Delta FPAP Longitude (seconds)	-51.3100
Threshold Crossing Height	50.0
TCH Units Selector	0 (FEET)
Glidepath Angle (degrees)	3.00
Course Width (metres)	105.00
Length Offset (metres)	0
HAL (metres)	40.0
VAL (metres)	50.0

Output data

Data Block	10 14 10 10 0C 14 00 00 01 30 32 05 10 DA A5 10 6C F1 14 FC 37 1A C8 12 FD 24 6F FE F4 01 2C 01 64 00 C8 FA 39 6B 98 3A
Calculated CRC Value	396B983A

Required Additional Data

ICAO Code	LP
LTP/FTP Orthometric Height (metres)	105.7