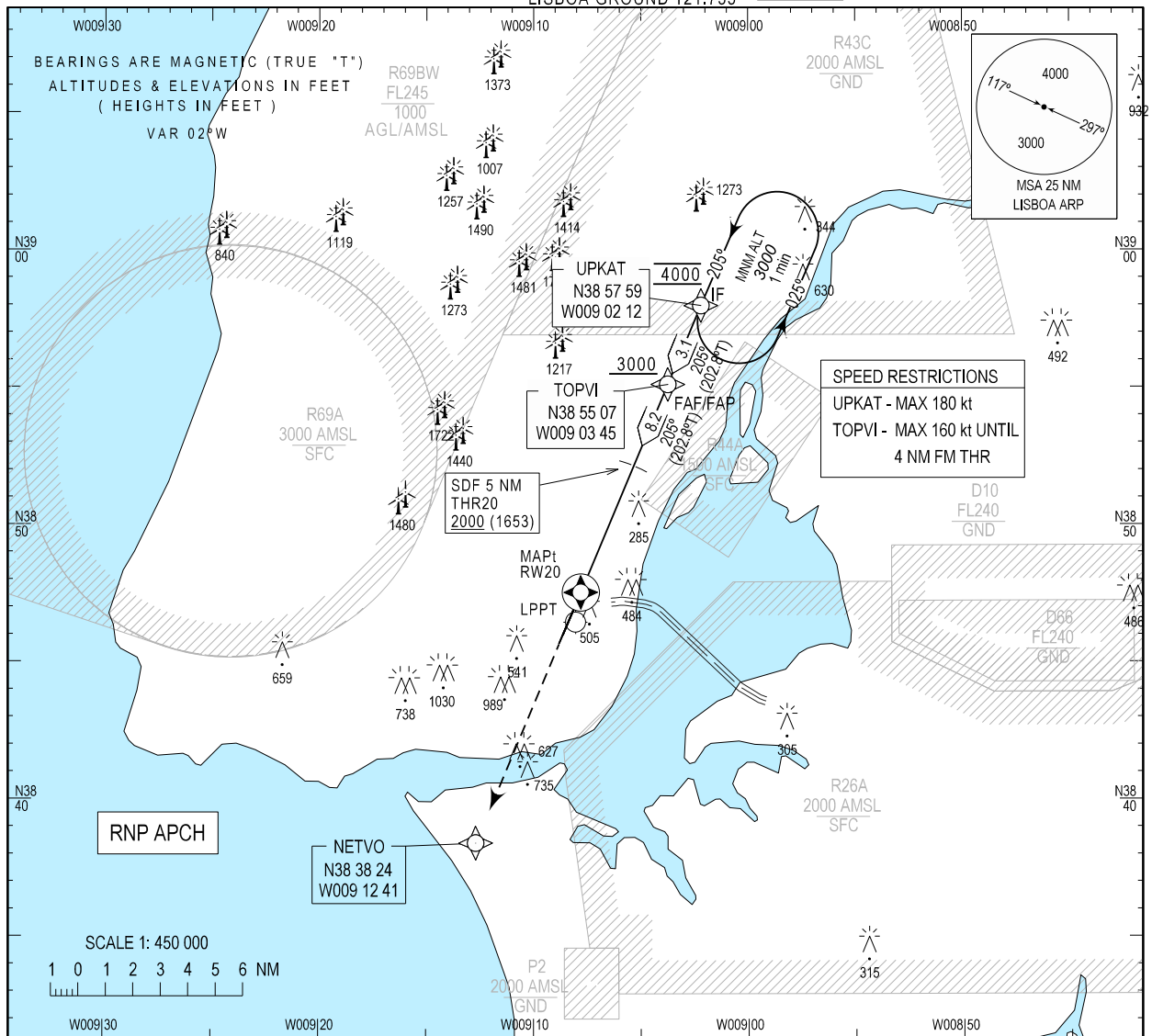


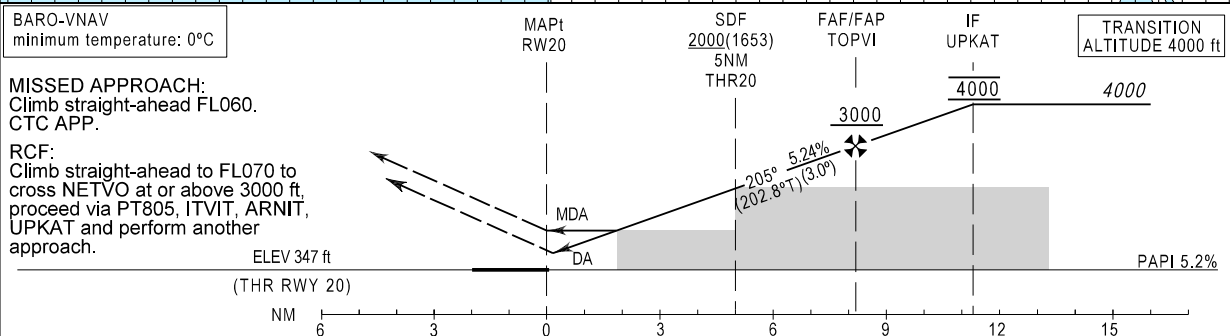
LISBOA
Humberto Delgado (LPPT)
RNP RWY 20



BARO-VNAV	minimum temperature: 0°C
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MISSED APPROACH:
Climb straight-ahead FL060.
CTC APP.

RCF:
Climb straight-ahead to FL070 to
cross NETVO at or above 3000 ft,
proceed via PT805, ITVIT, ARNIT,
UPKAT and perform another
approach.



	LPV		LNAV/VNAV		LNAV		CIRCLING	
CAT	DA(H)	OCH	DA(H)	OCH	MDA(H)	OCH	MDA(H)	OCH
A	600 (253)	231	800 (453)	451	840 (493)	485	1500(1130)	1126
B		244						
C		252					1580(1210)	1206
D	610 (263)	262						

DIST THR NM	5	4	3	2	1
Altitude (height)	1988 (1641)	1670 (1323)	1351 (1004)	1033 (686)	714 (367)

rate of descend	kt	160	140	120	100	80
	ft/min	840	735	630	525	420

New procedure.

Instrument Approach Procedure Coding Table
LPPT RNP RWY20

Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Type	Waypoint coordinates	Fly-Over	(True track [°]) /	Distance [NM]	Turn direction	Upper limit [ft]	Speed [kt]	VPA [°]	TCH (ft)
							Magnetic track [°]			/ Lower limit [ft]			
1 / RNP RWY20	RNP APCH	IF	UPKAT	IF	38°57'59.04"N 009°02'12.05"W	-			-	@4000	180	-	-
2 / RNP RWY20	RNP APCH	TF	TOPVI	FAF/FAP	38°55'06.75"N 009°03'44.64"W	-	(202.8°) 205°	3.11		+3000	160		
3 / RNP RWY20	RNP APCH	TF	RWY20/ THR	MAPt	38°47'32.36"N 009°07'48.17"W	Y	(202.8°) 205°	8.20	-	-	-	3.00	50
4 / RNP RWY20	RNP APCH	VM	-	-	-	-	(202.8°) 205°	-	-	@FL060	-	-	-
Serial # / Procedure designator	Navigational performance	Path descriptor	Waypoint identifier	Type	Waypoint coordinates	Fly-Over	(True track [°]) /	Distance [NM]	Turn direction	Upper limit [ft]	Speed [kt]	VPA [°]	TCH (ft)
							Magnetic track [°]			/ Lower limit [ft]			
1 / RNP RWY20	RNP APCH	HM	UPKAT	HLDG	38°57'59.04"N 009°02'12.05"W	Y	(202.8°) 205°	1 min	L	FL090 / 3000	185		

Input data

Operation Type	0
SBAS Provider	1 (EGNOS)
Airport Identifier	LPPT
Runway	20
Runway Letter	0 (None)
Approach Performance Designator	0
Route Indicator	
Reference Path Data Selector	0
Reference Path Identifier	E20A
LTP/FTP Latitude	384732.3900N
LTP/FTP Longitude	0090748.1700W
LTP/FTP Ellipsoidal Height (metres)	159.1
FPAP Latitude	384556.4400N
Delta FPAP Latitude (seconds)	-95.9500
FPAP Longitude	0090839.4900W
Delta FPAP Longitude (seconds)	-51.3200
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 4C DA A5 10 6C F1 14 FC 37 1A 64 12 FD 10 6F FE F4 01 2C 01 64 00 C8 FA B5 D6 1D B3
Calculated CRC Value	B5D61DB3

Required Additional Data

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