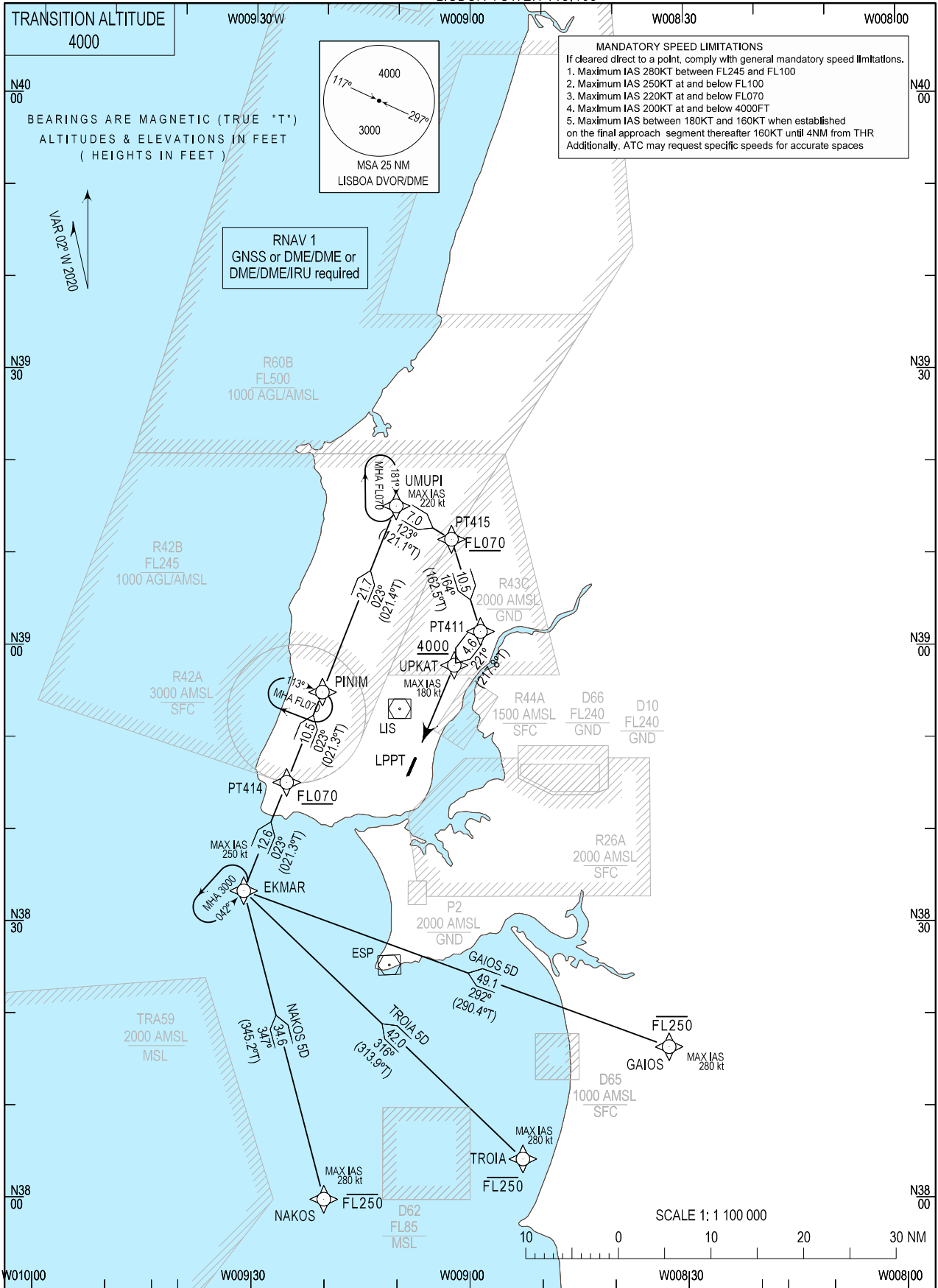


STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO

LISBOA ARR INFORMATION 124.155
LISBOA CONTROL 123.980
LISBOA APPROACH 119.105
LISBOA ARRIVAL 125.130
LISBOA TOWER 118.105

LISBOA, Humberto Delgado (LPPT)
RNAV RWY 20
GAIOS 5D, NAKOS 5D, TROIA 5D



MAG VAR changed. New RWY designator.

STANDARD INSTRUMENT ARRIVAL (STAR) RUNWAY 20

RNAV 1 – GNSS or DME/DME or DME/DME/IRU

STAR RNAV 1 GAIOS 5D RWY 20

Procedure Coding Table

Path Terminator	Waypoint			Course/Track MAG (True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
IF	GAIOS	-	381631.88N 0083235.19W	-	-	-	-FL250	280Kt	RNAV 1	Clearance limit: UPKAT
TF	EKMAR	-	383326.56N 0093117.20W	292 (290.4)	49.13	-	-	250Kt	RNAV 1	
TF	PT414	-	384513.74N 0092525.26W	023 (021.3)	12.64	Right	+FL070	-	RNAV 1	
TF	PINIM	-	385502.70N 0092030.55W	023 (021.3)	10.53	-	-	-	RNAV 1	
TF	UMUPI	-	391516.46N 0091018.55W	023 (021.4)	21.72	-	-	220Kt	RNAV 1	
TF	PT415	-	391139.36N 0090235.77W	123 (121.1)	7.00	Right	+FL070	-	RNAV 1	
TF	PT411	-	390139.34N 0085833.34W	164 (162.5)	10.47	Right	-	-	RNAV 1	
TF	UPKAT	-	385759.04N 0090212.05W	220 (217.8)	4.64	Right	+4000ft	180Kt	RNAV 1	

STAR RNAV 1 NAKOS 5D RWY 20

Path Terminator	Waypoint			Course/Track MAG (True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
IF	NAKOS	-	380000.00N 0092004.18W	-	-	-	-FL250	280Kt	RNAV 1	Clearance limit: UPKAT
TF	EKMAR	-	383326.56N 0093117.20W	347 (345.2)	34.56	-	-	250Kt	RNAV 1	
TF	PT414	-	384513.74N 0092525.26W	023 (021.3)	12.64	Right	+FL070	-	RNAV 1	
TF	PINIM	-	385502.70N 0092030.55W	023 (021.3)	10.53	-	-	-	RNAV 1	
TF	UMUPI	-	391516.46N 0091018.55W	023 (021.4)	21.72	-	-	220Kt	RNAV 1	
TF	PT415	-	391139.36N 0090235.77W	123 (121.1)	7.00	Right	+FL070	-	RNAV 1	
TF	PT411	-	390139.34N 0085833.34W	164 (162.5)	10.48	Right	-	-	RNAV 1	
TF	UPKAT	-	385759.04N 0090212.05W	220 (217.8)	4.64	Right	+4000ft	180Kt	RNAV 1	

STAR RNAV 1 TROIA 5D RWY 20

Path Terminator	Waypoint			Course/Track MAG (True)	Dist NM	Turn Direction	Constraints		Nav Specs	Remarks
	Identifier	Flyover	Coordinates				Level	Speed		
IF	TROIA	-	380423.71N 00985244.95W	-	-	-	-FL250	280Kt	RNAV 1	Clearance limit: UPKAT
TF	EKMAR	-	383326.56N 0093117.20W	316 (313.9)	41.97	-	-	250Kt	RNAV 1	
TF	PT414	-	384513.74N 0092525.26W	023 (021.3)	12.64	Right	+FL070	-	RNAV 1	
TF	PINIM	-	385502.70N 0092030.55W	023 (021.3)	10.53	-	-	-	RNAV 1	
TF	UMUPI	-	391516.46N 0091018.55W	023 (021.4)	21.72	-	-	220Kt	RNAV 1	
TF	PT415	-	391139.36N 0090235.77W	123 (121.1)	7.00	Right	+FL070	-	RNAV 1	
TF	PT411	-	390139.34N 0085833.34W	164 (162.5)	10.47	Right	-	-	RNAV 1	
TF	UPKAT	-	385759.04N 0090212.05W	220 (217.8)	4.64	Right	+4000ft	180Kt	RNAV 1	