GENERAL

Operational Hours

ATS Hours: HO
AD OPS Hours / AD ADMIN Hours: 0900-1930‡. Extension possible O/R.

Airport Information

RFF: CAT 6
Fuel: O/R
PCN: RWY 10/28: 39/F/C/X/T
Customs: O/R 24HR PN

Operation

RWY Restriction
180° turns on turning pads at RWY ends only.

Warnings

LM VOR unusable:
R215-R275 beyond 15NM
MAINT: WED 0800-1200‡.

VFL VOR unusable:
R010-R020 beyond 10NM below 10000ft.
R080-R140 beyond 15NM below 10000ft.
R280-R010 beyond 10NM below 10000ft.
Below 5000ft.

VMG VOR:
R095 excessive VOR needle fluctuations at 12-13NM and 19-24NM below 8000ft.

VSM VOR/DME unusable:
R065-R130 beyond 20NM below 6000ft.

Windshear and TURB possible due to rapidly rising terrain.

High terrain: OPS prohibited north of RWY 10/28; strictly comply with SIDs and STARs.

Birds in vicinity of AD.

ARRIVAL

Communication

COM Failure
Proceed to VFL or HT HLDG at last assigned LVL. At ETA, according to current flight plan, when established in the HLDG pattern, descend to 5000ft QNH, at 5000ft QNH leave HT to carry out a standard APCH according to IAC.

RNAV STARs RWY 10
Proceed to XOGRA HLDG and descend to MNM HLDG LVL and / or descend to initial APCH ALT to carry out a standard instrument APCH according to IAC. For ACFT equipped with onboard telephone, dial +351 292 208 212.

ARRIVAL

In case of MISAP

NDB B RWY 10

Follow standard MISAP. On XOGRA HLDG make one complete HLDG pattern at 5000ft and then proceed to HR541 to perform another NDB APCH.

RNAV (RNP) Y RWY 28 / RNAV (RNP) Z RWY 28

Follow standard MISAP. On HR560 make one complete HLDG pattern at 2100ft and then proceed to perform RNP Y RWY 28 APCH.

RNAV (RNP) X RWY 10 / RNAV (RNP) W RWY 10 / RNAV (RNP) Y RWY 10 / RNAV (RNP) Z RWY 10

Follow standard MISAP. On HR401 make one complete HLDG pattern at 2100ft and then proceed to perform RNP X RWY 10 APCH.

DEPARTURE

Take-off Minima

RWY		28	
A, B, C	ft - m/km	0 - 400R/400V	HJ only
		0 - 800R/800V	HN
D		Not published	-

RWY		10	
A, B, C	ft - m/km	0 - 400V	HJ only
		0 - 800V	HN
D		Not published	-

Communication

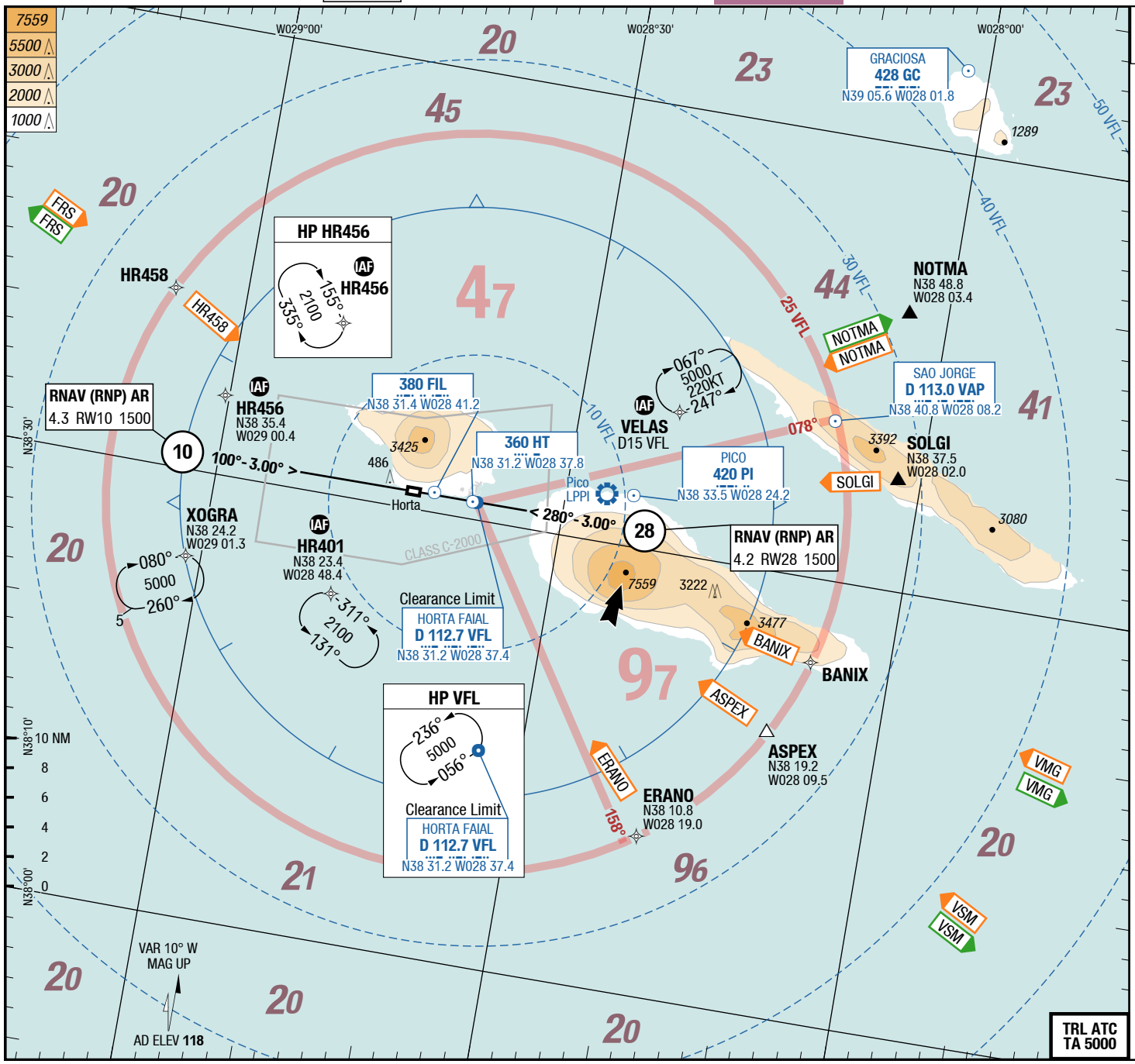
COM Failure

1. Fly at/to the last assigned and acknowledged level or to FL100 if higher than the last assigned level until passing D25 VFL DVOR/DME;
2. Thereafter adjust level and speed in accordance with filed FPL;
3. If being radar vectored or proceeding offset, when passing D25 VFL DVOR/DME, rejoin the current FPL route and proceed in accordance with item 2 above.
4. If cleared DCT to..., fly at/to the assigned and acknowledged level or to FL100, whichever is higher, until passing D25 VFL DVOR/DME, maintain the current FPL route and proceed in accordance with item 2 above.

Note: Avoid to fly on the sector between R078 and R158 from VFL DVOR/DME , until reaching FL100 or D25, due to Pico Mountain.

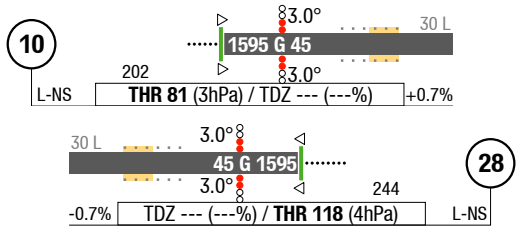
De-Icing

Not AVBL.

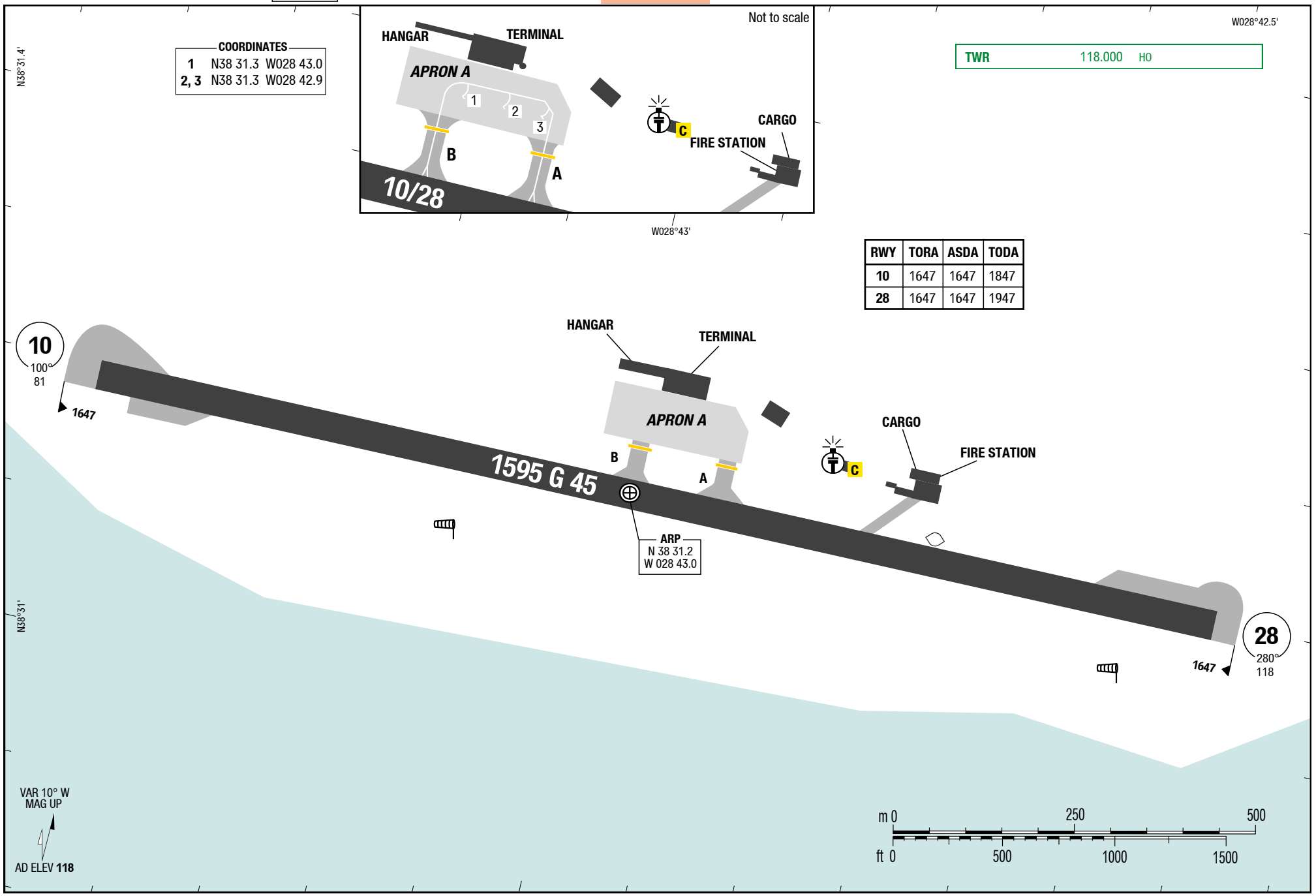


APP 120.600 HO
TWR 118.000 HO

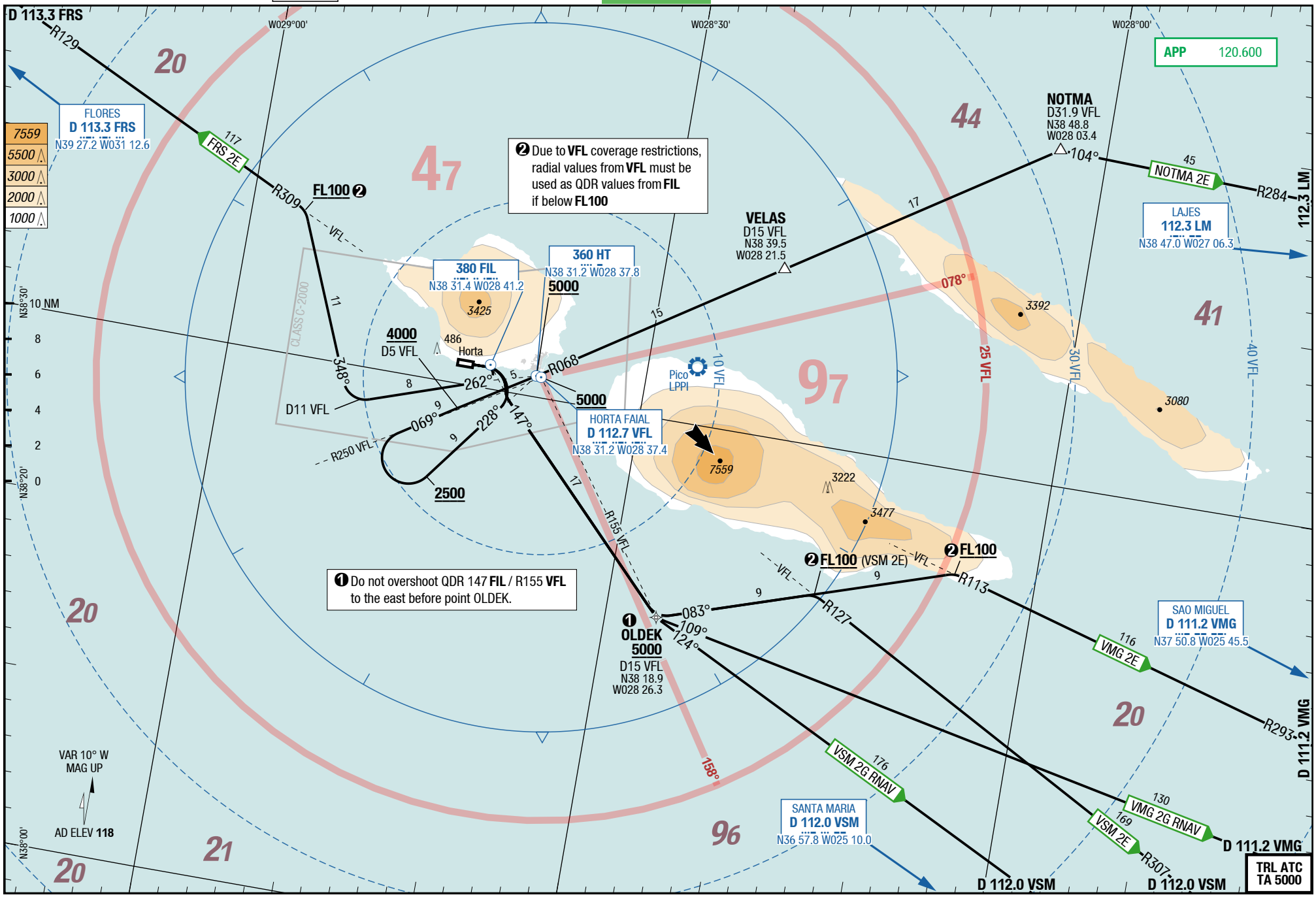
Landing RWY system:



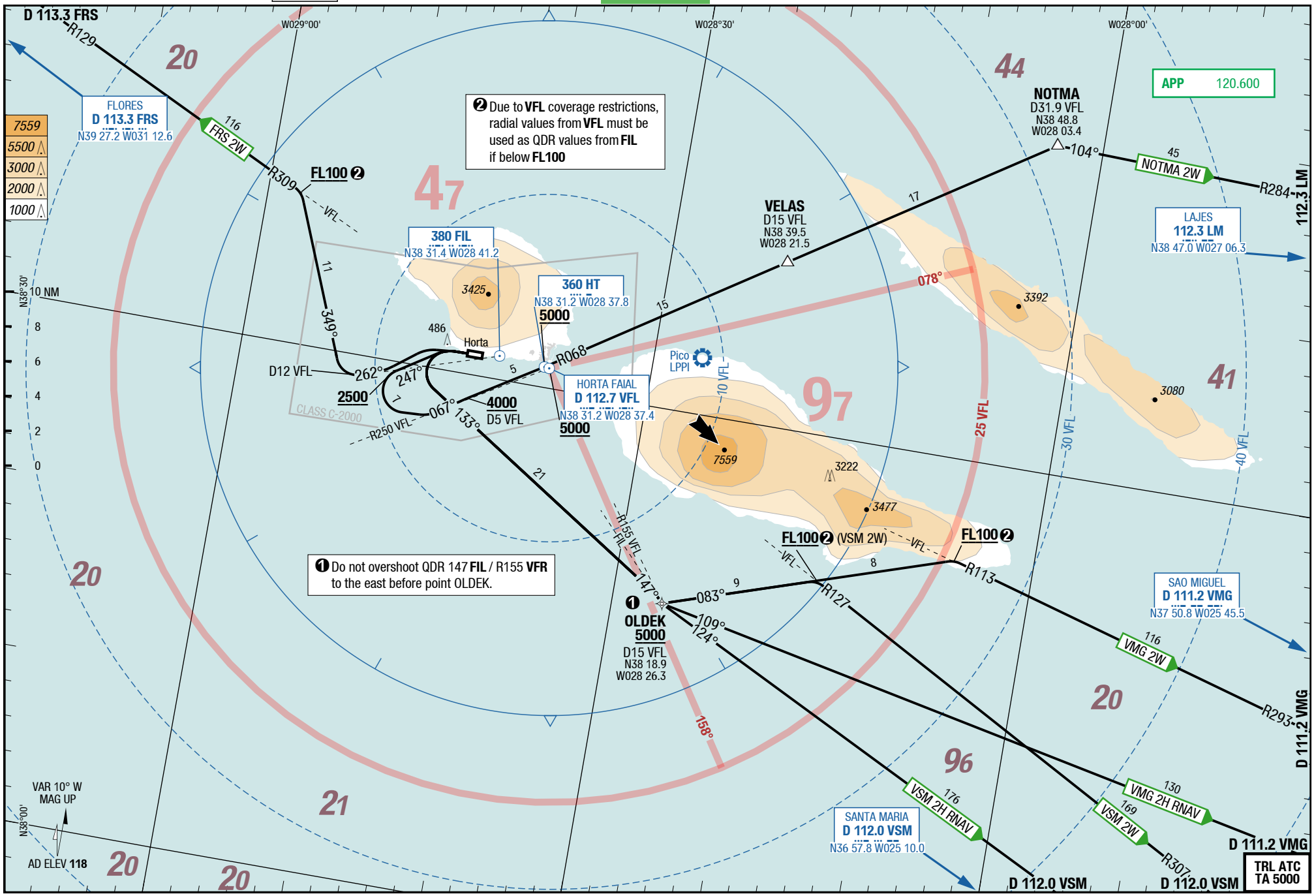
Changes: PROC, HLDG, APCH boxes



Changes: Nil



Changes: New



Changes: New

FLORES 2E / NOTMA 2E / SANTA MARIA 2E / SANTA MARIA 2G RNAV / SAO MIGUEL 2E / SAO MIGUEL 2G RNAV

RWY 10 (100°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 10	
FLORES 2E **FRS 2E** **120.600** ②	**RT** intercept QDR 262 **HT** at D11 **VFL RT** 348° - **LT** intercept R309 **VFL** to **FRS**	crossing R309 **VFL** MNM **FL100**
NOTMA 2E **120.600**	**RT** intercept QDR 228 **HT** - at MNM **2500 RT** intercept R250 **VFL** to **VFL** (QDM 069 **HT** to **HT**) - R068 **VFL** to VELAS - NOTMA - **LM**	D5 **VFL** MNM **4000** **HT** / **VFL** MNM **5000**
SANTA MARIA 2E **VSM 2E** **120.600** ①②	**RT** intercept QDR 147 **FIL** - at OLDEK **LT** 083° intercept R127 **VFL** to **VSM**	OLDEK MNM **5000** crossing R127 **VFL** MNM **FL100**
SANTA MARIA 2G RNAV **VSM 2G RNAV** **120.600** ①	**RT** intercept QDR 147 **FIL** - at OLDEK **LT** direct **VSM**	OLDEK MNM **5000**
SAO MIGUEL 2E **VMG 2E** **120.600** ①②	**RT** intercept QDR 147 **FIL** - at OLDEK **LT** 083° intercept R113 **VFL** to **VMG**	OLDEK MNM **5000** crossing R113 **VFL** MNM **FL100**
SAO MIGUEL 2G RNAV **VMG 2G RNAV** **120.600** ①	**RT** intercept QDR 147 **FIL -** at OLDEK **LT** direct **VMG**	OLDEK MNM **5000**

① Do not overshoot QDR 147 FIL / R155 VFL to the east before OLDEK.

② If unable to comply with ALT restriction MNM FL100: radial values from VFL must be used as QDR values from FIL.

Changes: New

FLORES 2W / NOTMA 2W / SANTA MARIA 2H RNAV / SANTA MARIA 2W / SAO MIGUEL 2H RNAV / SAO MIGUEL 2W

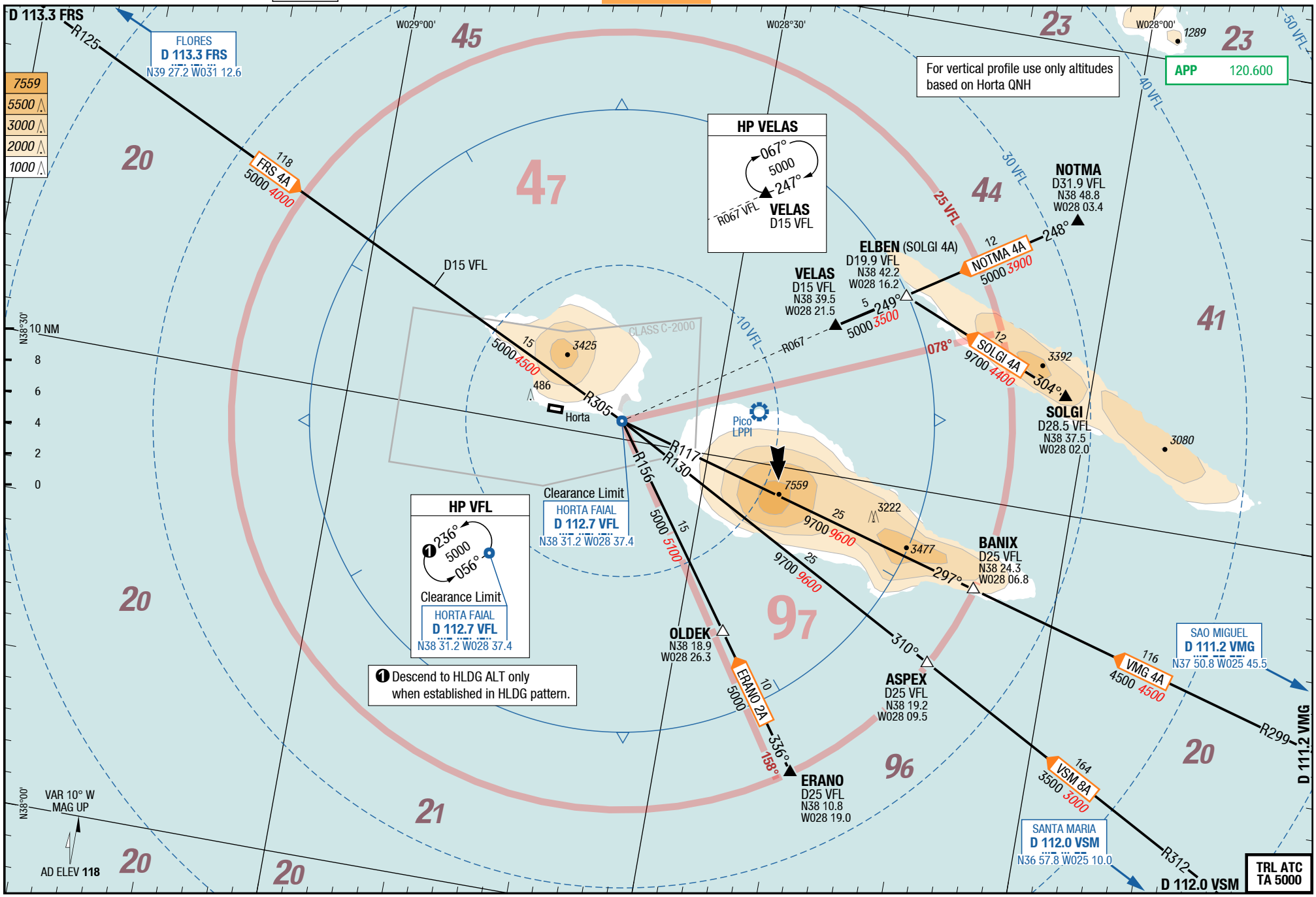
RWY 28 (280°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 28	
FLORES 2W **FRS 2W** **120.600** ②	**LT** intercept QDR 262 **FIL** - at D12 **VFL RT** 349° - intercept R309 **VFL** to **FRS**	crossing R309 **VFL** MNM **FL100**
NOTMA 2W **120.600**	**LT** 247° - at MNM **2500 LT** intercept R250 **VFL** to **VFL** (QDM 067 **HT** to **HT**) - R068 **VFL** to VELAS - NOTMA - **LM**	D5 **VFL** MNM **4000** **HT** / **VFL** MNM **5000**
SANTA MARIA 2H RNAV **VSM 2H RNAV** **120.600** ①	**LT** 133° - intercept QDR 147 **FIL** - at OLDEK **LT** direct **VSM**	OLDEK MNM **5000**
SANTA MARIA 2W **VSM 2W** **120.600** ①②	**LT** 133° - intercept QDR 147 **FIL** - at OLDEK **LT** 083° - intercept R127 **VFL** to **VSM**	OLDEK MNM **5000** crossing R127 **VFL** MNM **FL100**
SAO MIGUEL 2H RNAV **VMG 2H RNAV** **120.600** ①	**LT** 133° - intercept QDR 147 **FIL** - at OLDEK **LT** direct **VMG**	OLDEK MNM **5000**
SAO MIGUEL 2W **VMG 2W** **120.600** ①②	**LT** 133° - intercept QDR 147 **FIL** - at OLDEK **LT** 083° - intercept R113 **VFL** to **VMG**	OLDEK MNM **5000** crossing R113 **VFL** MNM **FL100**

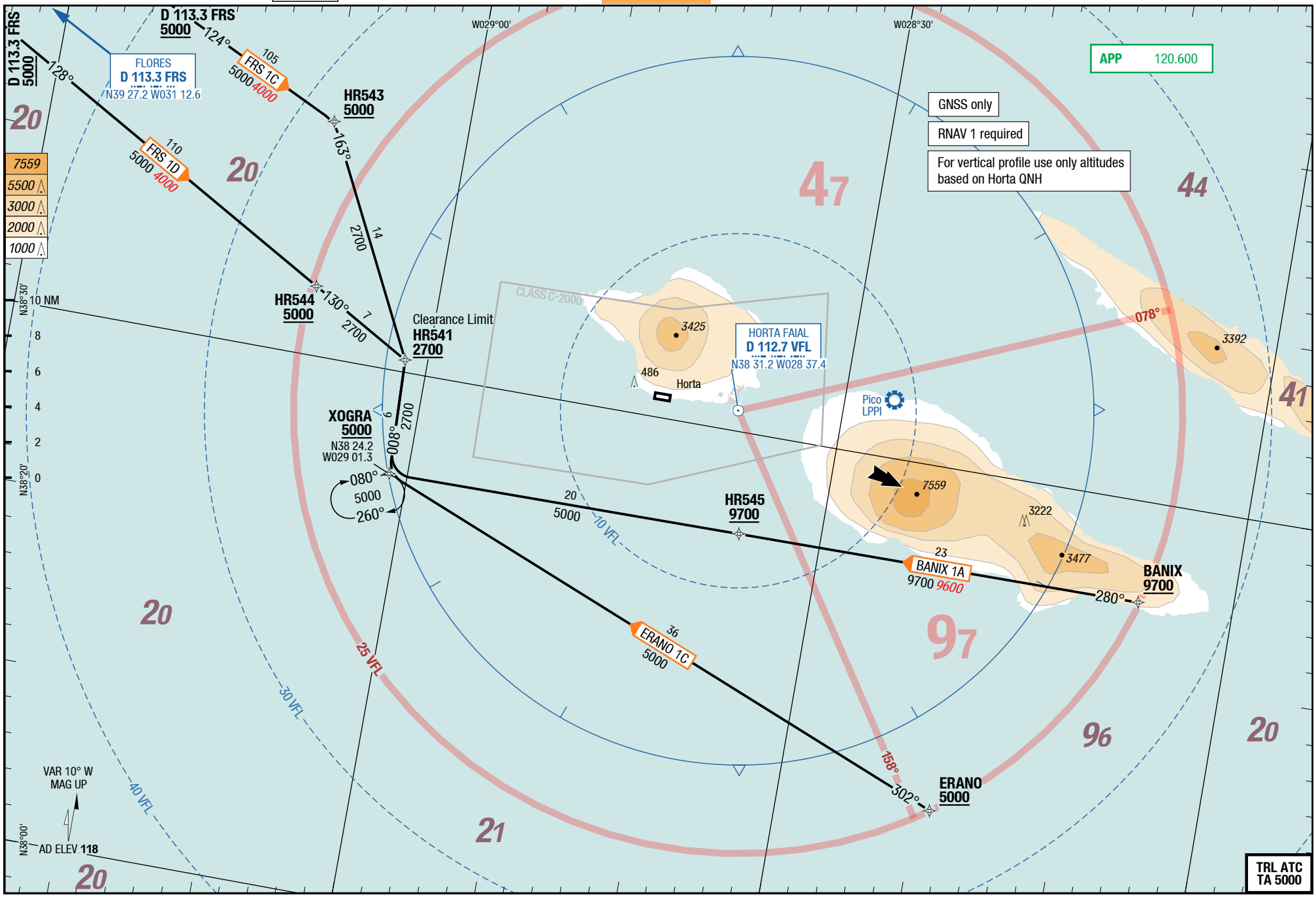
① Do not overshoot QDR 147 FIL / R155 VFL to the east before OLDEK.

② If unable to comply with ALT restriction MNM FL100: radial values from VFL must be used as QDR values from FIL

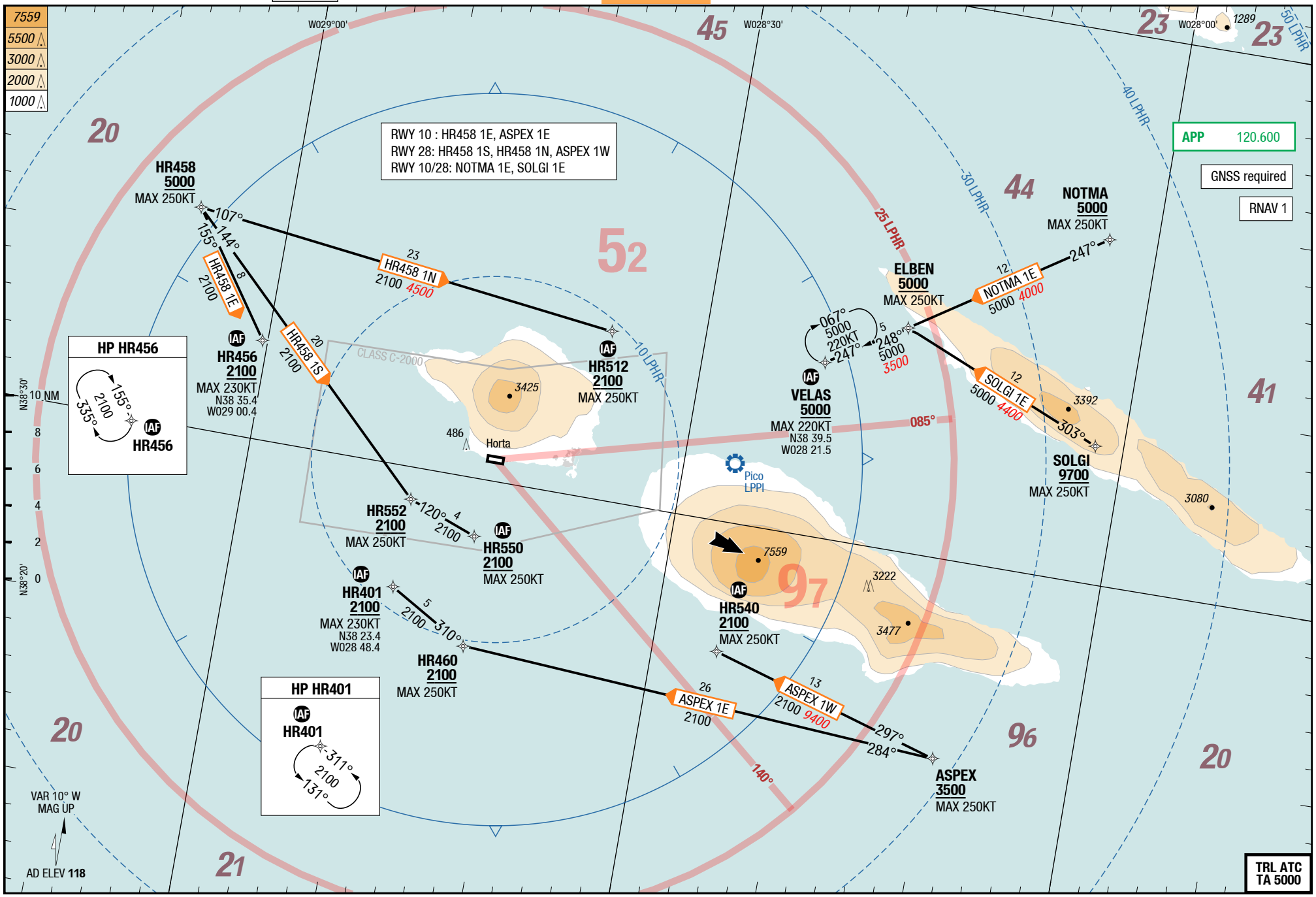
Changes: New



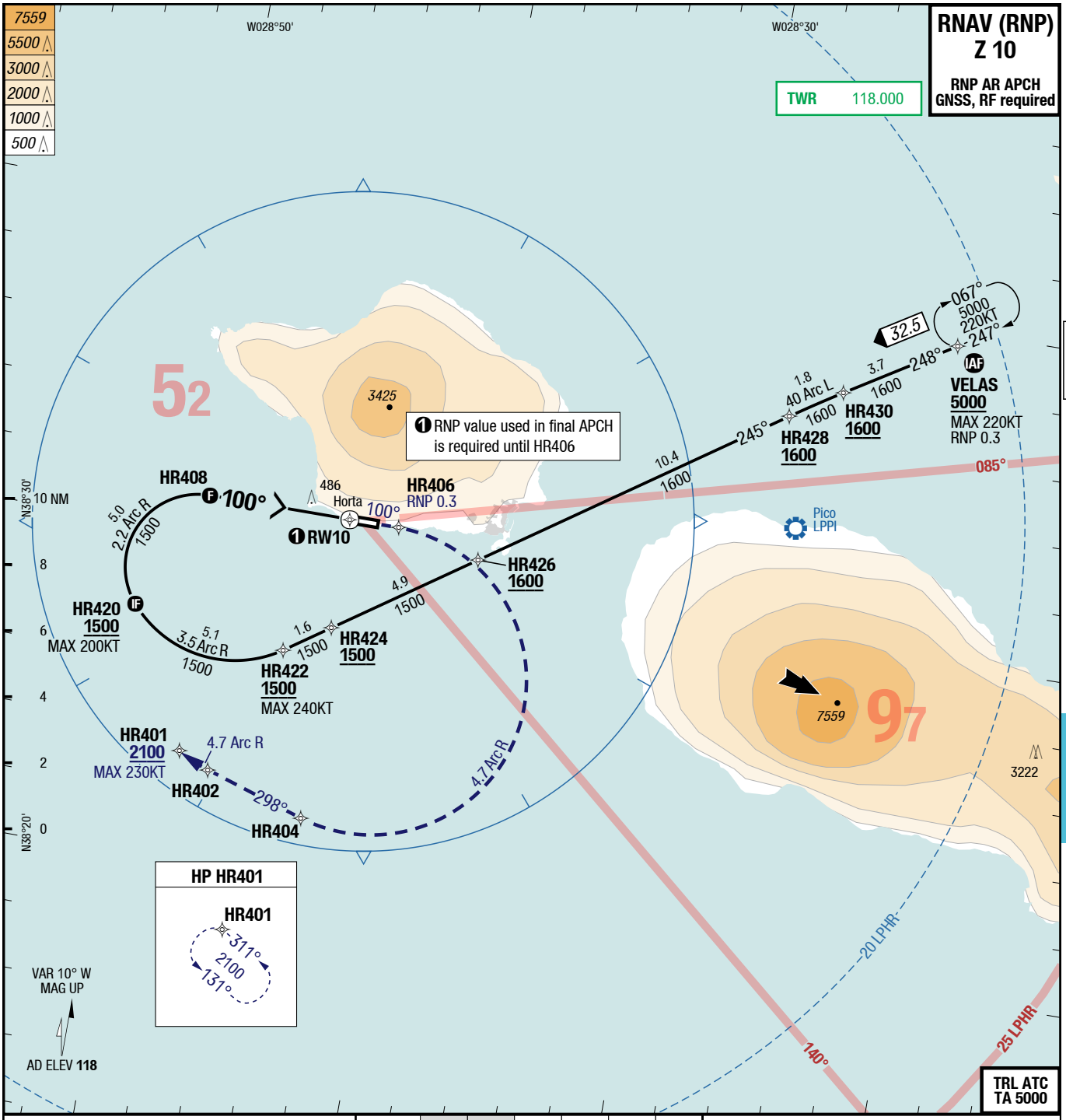
Changes: New



Changes: New



Changes: chart title, MTCA, OBST



3.00° RW10			4.3	4	3	2
			1500	1410	1090	770

10 L-NS

83.0° 30 L 1595 G 45 83.0°

202 THR 81 (3hPa) / TDZ --- (---%) +0.7%

RW10

❷ OBST BLW DA

4.3 RW10
HR408

at 1500

1500 100°

RW10
N38 31.2
W028 43.5

700 ❷ DA

50

DIST to THR 5 4.3 0

HR406 - HR404 - HR402 - HR401 [K230- ;A2100+]

RCF: See AOI

GS	120	140	160
	640	740	850

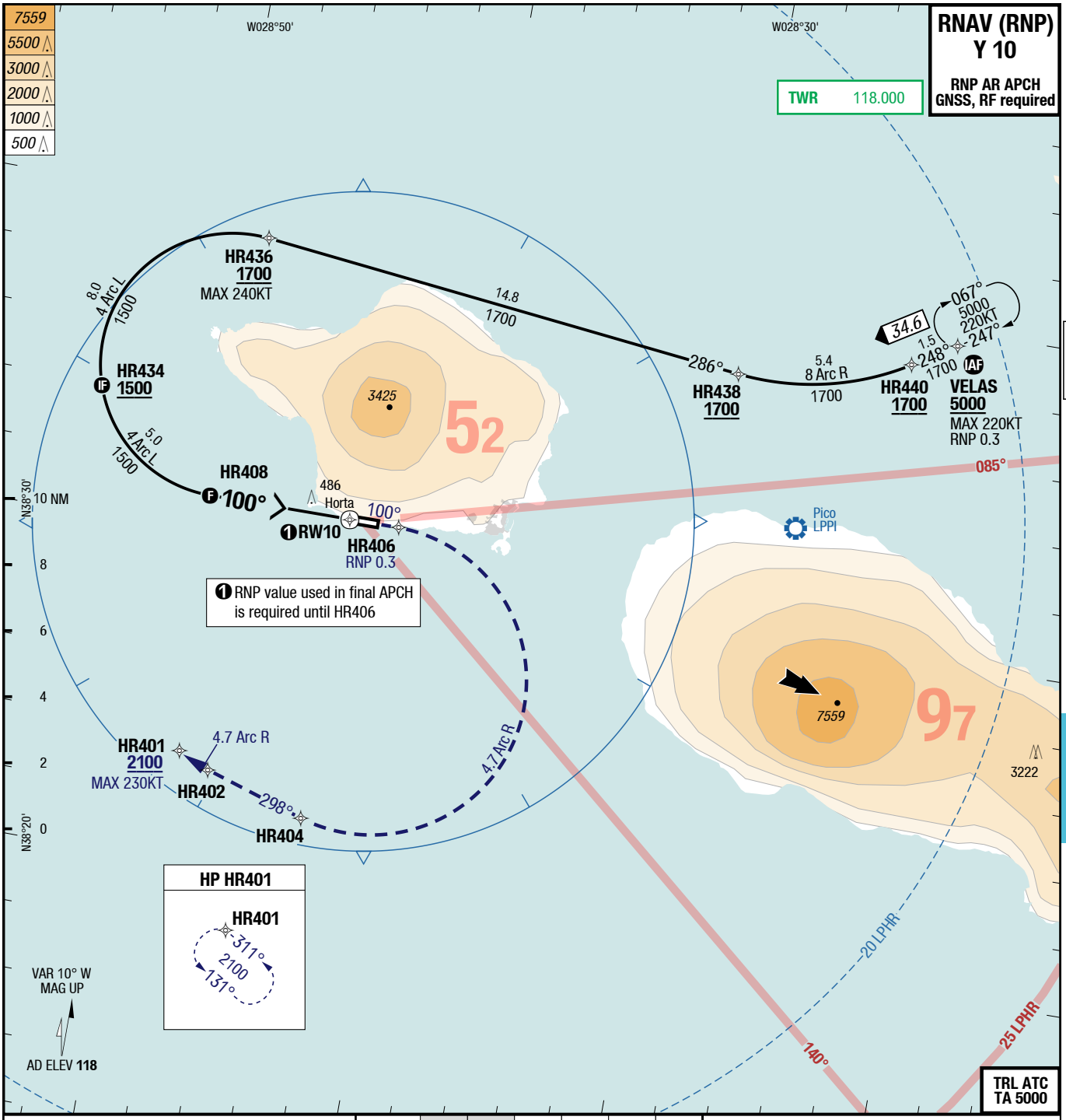
10		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.30 VNAV 1)			Circling
C	ft - m/km ft	530 - 2.4 **610** 2)	580 - 2.4 **660** 2)	580 - 2.4 **660** 2)			Not published
D	ft - m/km ft	Not published	Not published	Not published			Not published

1) Uncompensated BARO VNAV NA below 5°C (41°F)
2) With EVS 1.6km

RNAV (RNP) Y 10

RNP AR APCH
GNSS, RF required

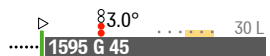
TWR 118.000



❶ RNP value used in final APCH is required until HR406

3.00° RW10			4.3	4	3	2
			1500	1410	1090	770

10 L-NS



THR 81 (3hPa) / TDZ --- (---%) +0.7%

RW10

❷ OBST BLW DA

4.3 RW10
HR408

at 1500

1500

100°

HR406 - HR404 - HR402 - HR401 [K230- ;A2100+]

RCF: See AOI

RW10
N38 31.2
W028 43.5

700

❷ DA

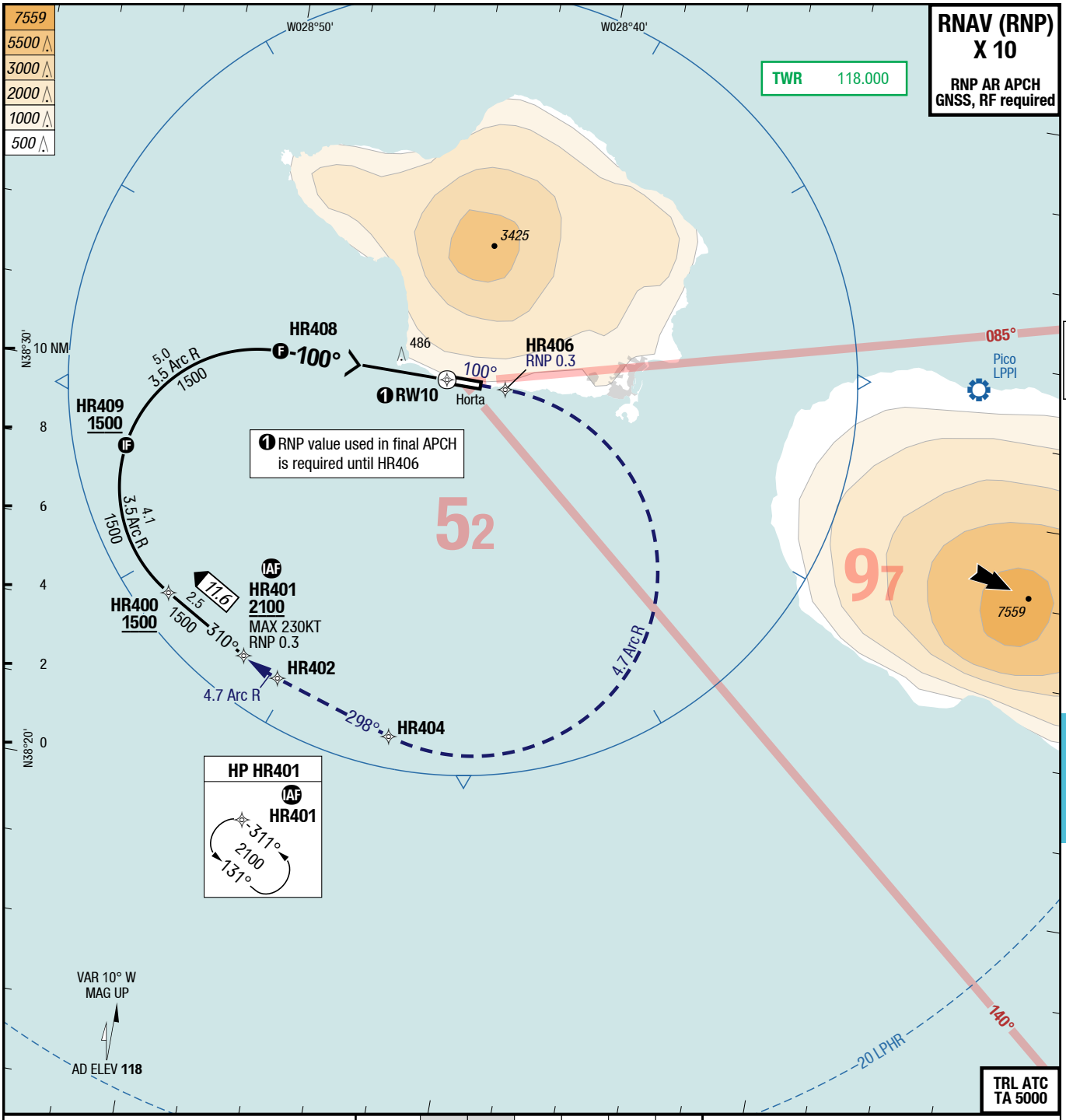
50

GS	120	140	160
	640	740	850

DIST to THR 5 4.3 0

10		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.30 VNAV 1)			Circling
C	ft - m/km ft	530 - 2.4 **610** 2)	580 - 2.4 **660** 2)	580 - 2.4 **660** 2)			Not published
D	ft - m/km ft	Not published	Not published	Not published			Not published

1) Uncompensated BARO VNAV NA below 5°C (41°F)
2) With EVS 1.6km



3.00° RW10			4.3	4	3	2
			1500	1410	1090	770

10 L-NS

83.0° 30 L
1595 G 45
83.0°
202
THR 81 (3hPa) / TDZ --- (---%) +0.7%
RW10

❷ OBST BLW DA

4.3 RW10
HR408
at 1500
1500
100°

HR406 - HR404 - HR402 - HR401 [K230- ;A2100+]

RCF: See AOI

RW10
N38 31.2
W028 43.5
700
DA ❷

DIST to THR 5 4.3 0 50

GS	120	140	160
	640	740	850

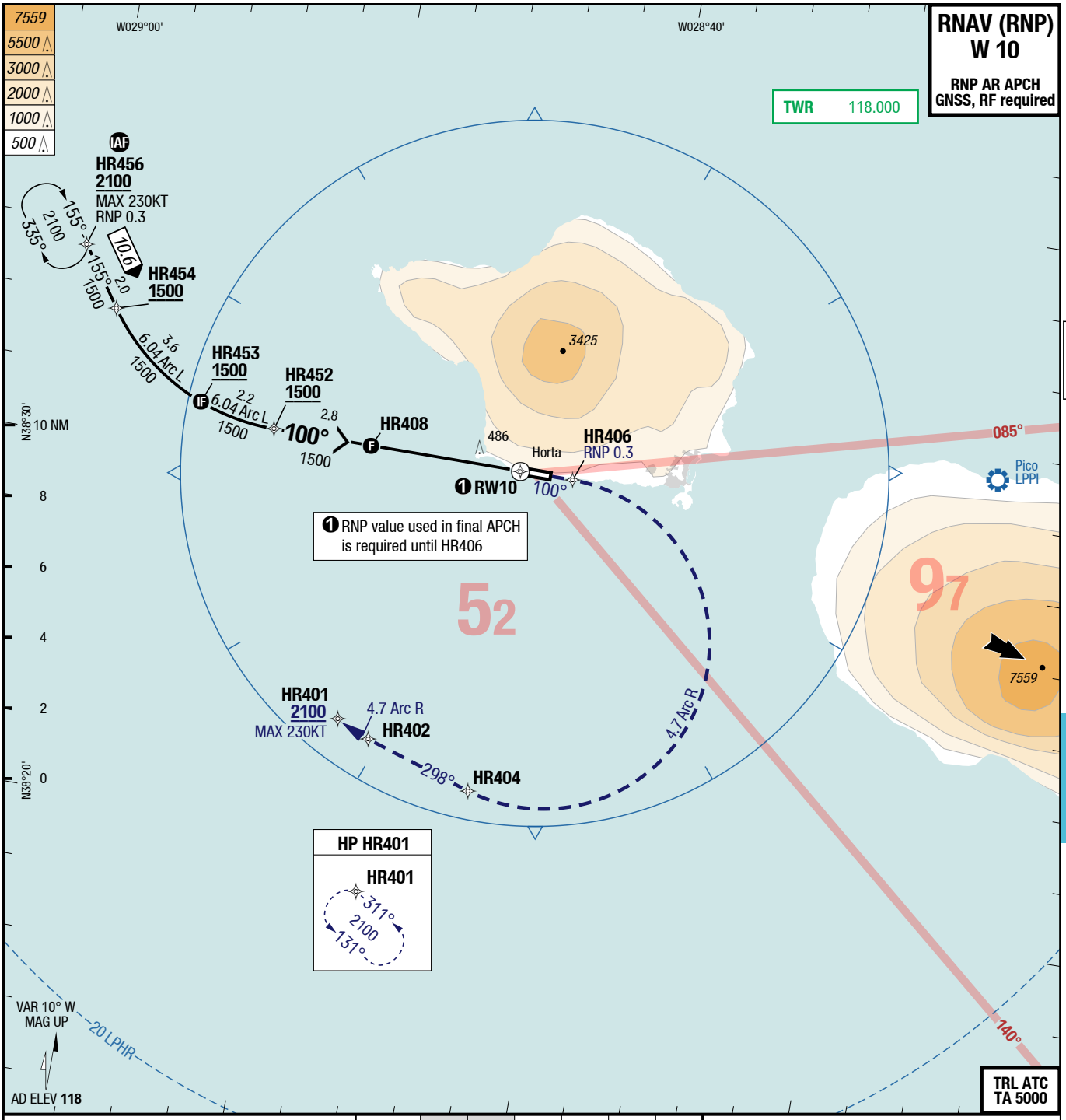
10		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.30 VNAV 1)			Circling
C	ft - m/km ft	530 - 2.4 **610** 2)	580 - 2.4 **660** 2)	580 - 2.4 **660** 2)			Not published
D	ft - m/km ft	Not published	Not published	Not published			Not published

1) Uncompensated BARO VNAV NA below 5°C (41°F)
2) With EVS 1.6km

RNAV (RNP) W 10

RNP AR APCH
GNSS, RF required

TWR 118.000



3.00° RW10			4.3	4	3	2
			1500	1410	1090	770

10 L-NS

83.0° 30 L
1595 G 45
83.0°
202
THR 81 (3hPa) / TDZ --- (---%) +0.7%

❷ OBST BLW DA

4.3 RW10
HR408
at 1500
1500
F
100°

RW10
N38 31.2
W028 43.5

700
❷ DA

DIST to THR 5 4.3 0 50

RW10

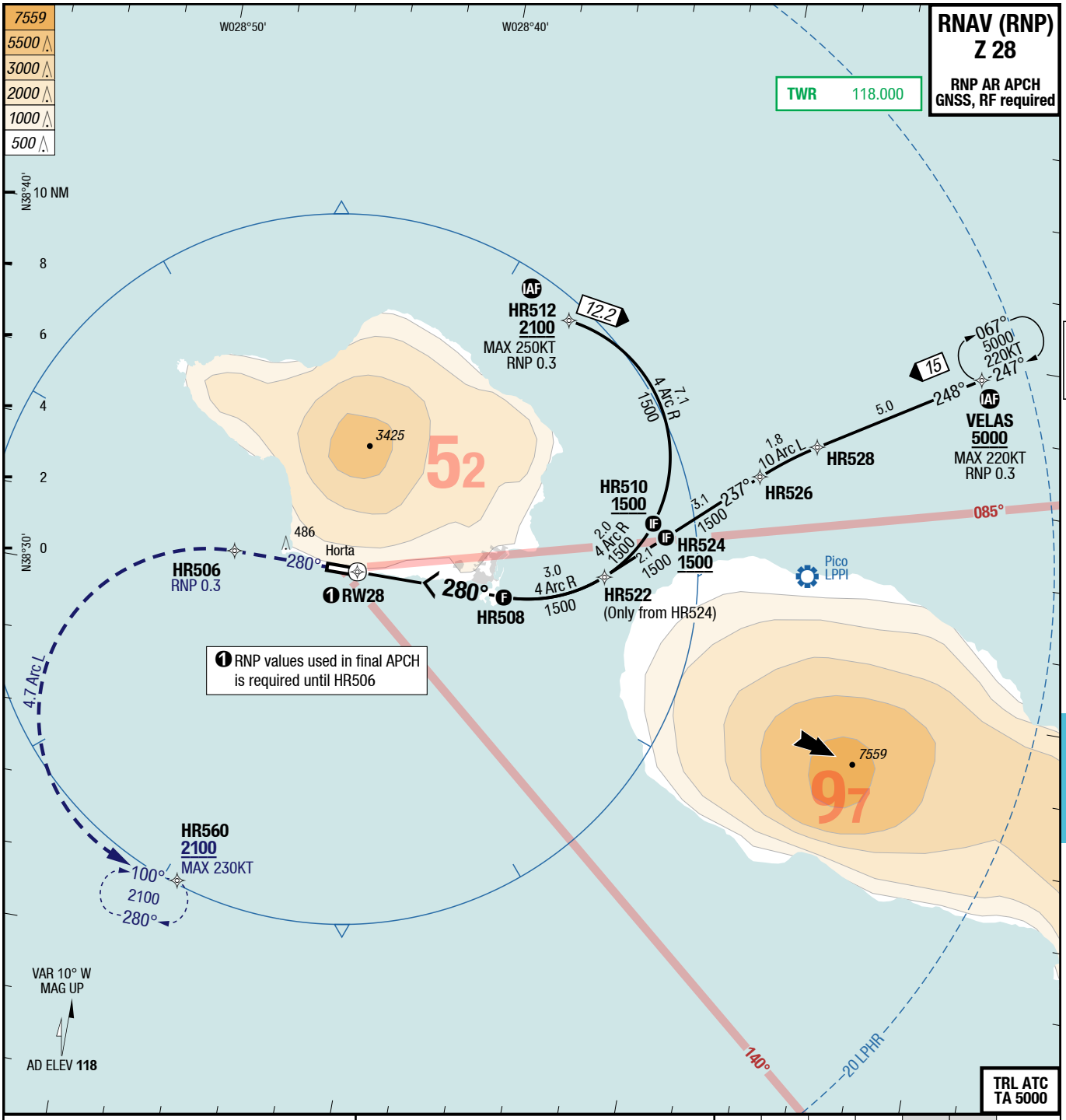
HR406 - HR404 - HR402 - HR401 [K230- ;A2100+]

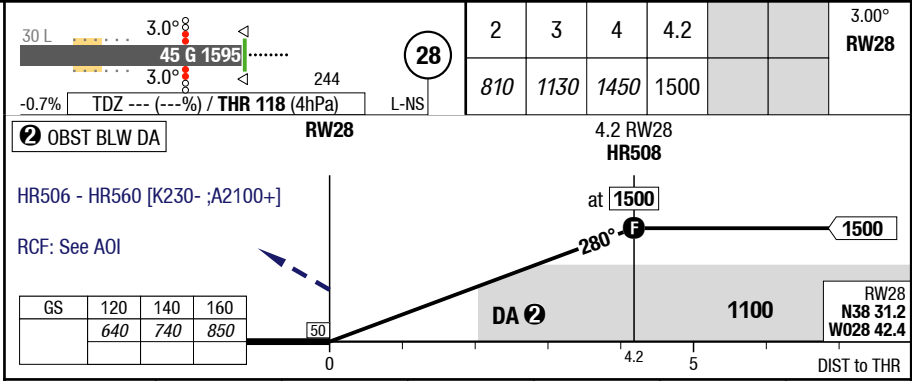
RCF: See AOI

GS	120	140	160
	640	740	850

10		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.30 VNAV 1)			Circling
C	ft - m/km ft	530 - 2.4 **610** 2)	580 - 2.4 **660** 2)	580 - 2.4 **660** 2)			Not published
D	ft - m/km ft	Not published	Not published	Not published			Not published

1) Uncompensated BARO VNAV NA below 5°C (41°F)
2) With EVS 1.6km





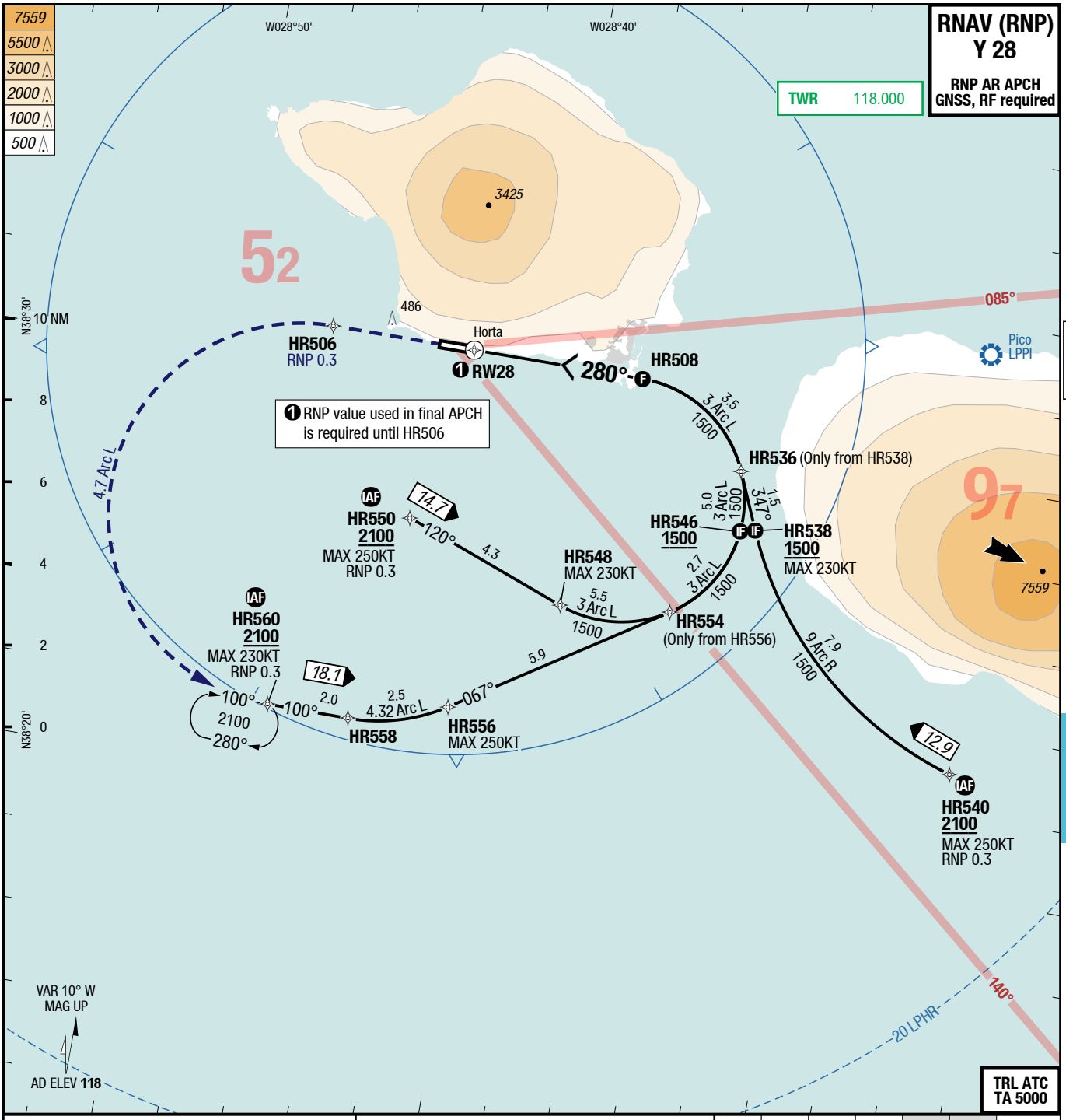
28		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.30 VNAV 1)			Circling
C	ft - m/km ft	310 - 1.2 **420** 2)	480 - 2.0 **590** 3)	640 - 2.4 **750** 4)			Not published
D	ft - m/km ft	Not published	Not published	Not published			Not published

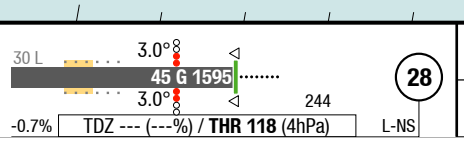
1) Uncompensated BARO VNAV NA below 5°C (41°F)
2) With EVS 800m
3) With EVS 1.3km
4) With EVS 1.6km

RNAV (RNP) Y 28

RNP AR APCH
GNSS, RF required

TWR 118.000





2	3	4	4.2			3.00°
810	1130	1450	1500			RW28

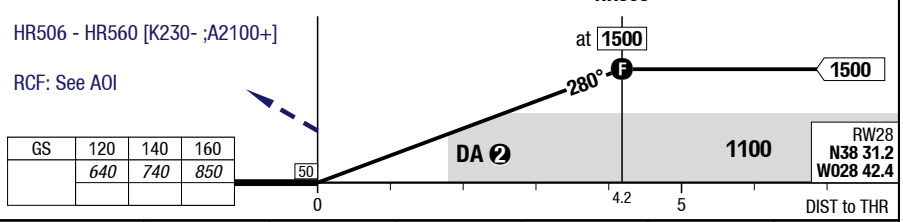
2 OBST BLW DA

RW28

4.2 RW28
HR508

HR506 - HR560 [K230- ;A2100+]

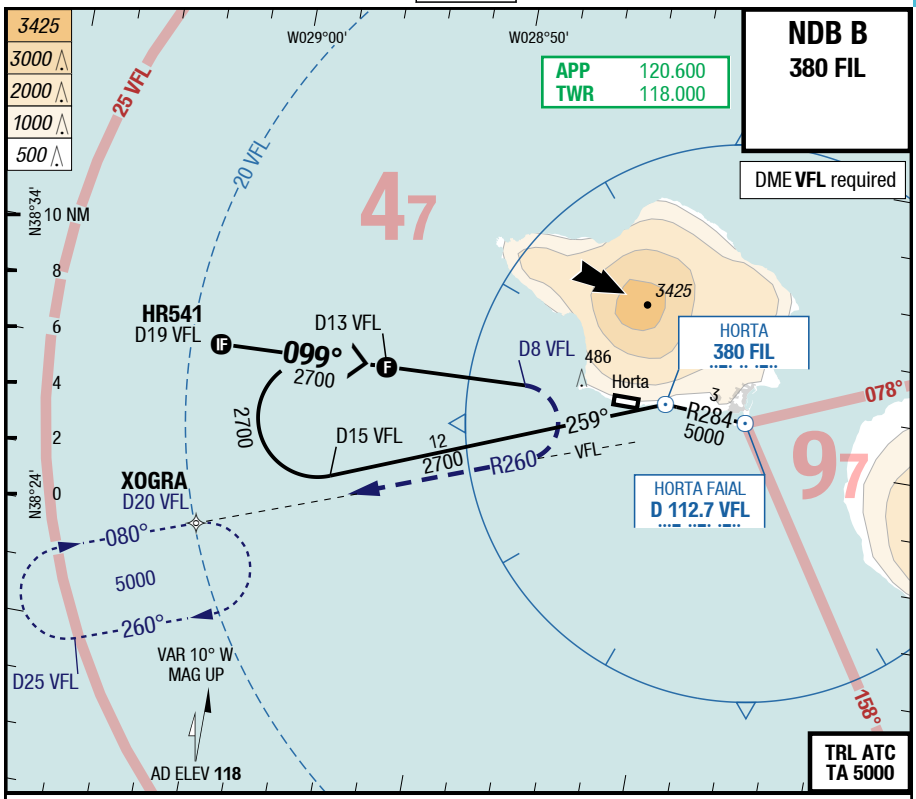
RCF: See AOI

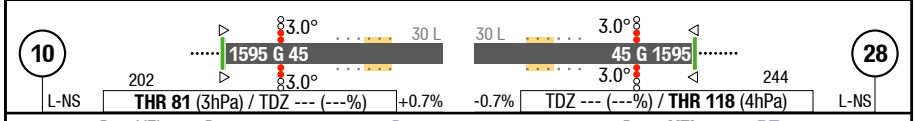


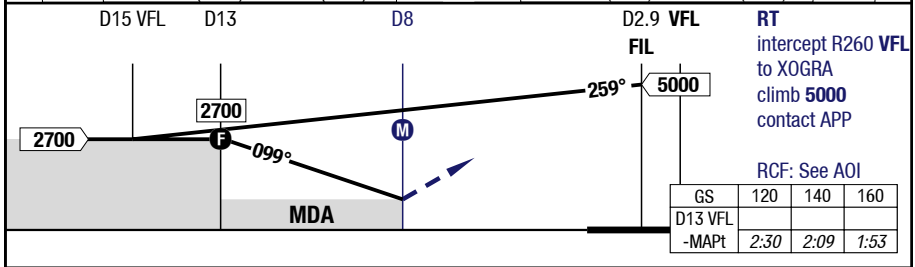
GS	120	140	160
	640	740	850

28		RNAV RNP 0.10 VNAV 1)	RNAV RNP 0.20 VNAV 1)	RNAV RNP 0.30 VNAV 1)			Circling
C	ft - m/km ft	310 - 1.2 **420** 2)	480 - 2.0 **590** 3)	640 - 2.4 **750** 4)			Not published
D	ft - m/km ft	Not published	Not published	Not published			Not published

1) Uncompensated BARO VNAV NA below 5°C (41°F)
2) With EVS 800m
3) With EVS 1.3km
4) With EVS 1.6km

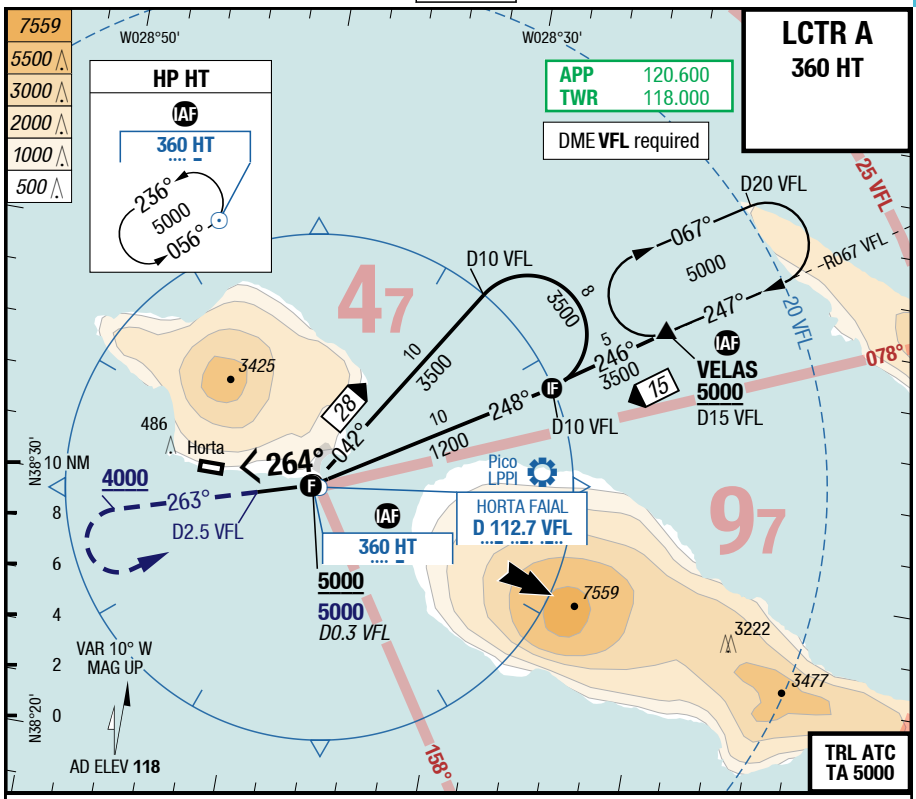






10/28							Circling S of RWY only
C	ft - m/km ft						880 - 2.4V **990**
D	ft - m/km ft						Not published

Changes: Nil



10/28							Circling S of RWY only
C	ft - m/km ft						770 - 2.4V **880**
D	ft - m/km ft						Not published

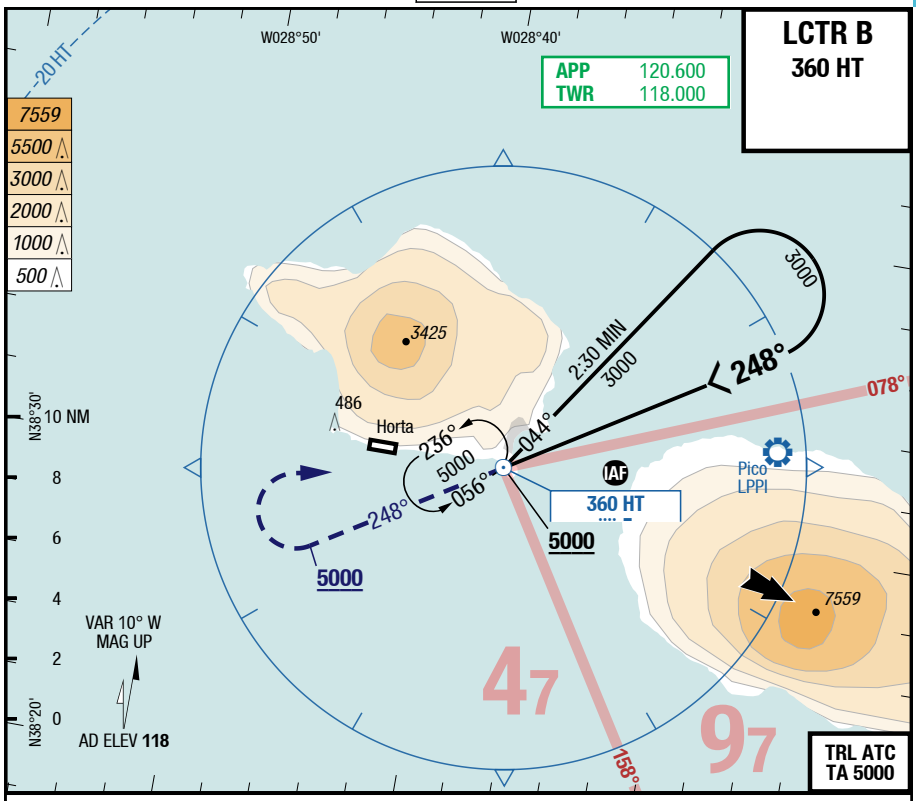
Changes: WPT Definition, FAT, Editorial

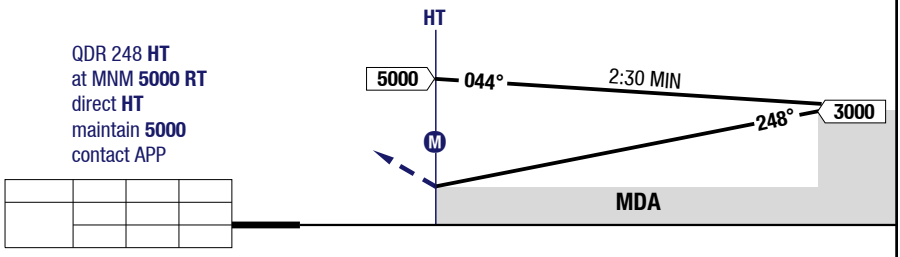
20-MAR-2017

HOR-LPHR

7-90

LCTR B





10/28							Circling S of RWY only
C	ft - m/km ft						1090 - 2.4V **1200**
D	ft - m/km ft						Not published

Changes: New