

GENERAL**Operational Hours****ATS Hours:** H24**AD OPS Hours:** 0545-2200‡ (H24 for Cargo)**Airport Information****RFF:** CAT 7**Fuel:** AD OPS HRs, other times O/R**PCN:** RWY 12R/30L: 56/F/A/W/T, first 305m / 984ft 51/R/A/W/T

RWY 12L/30R: 108/F/A/W/T

between 1220m and 1450m/4000ft and 4760ft from THR 12L 53/F/B/W/T
between 1582m and 1812m/5190ft and 5945ft from THR 30R 53/F/B/W/T**Operation****Arrival Note**

Possible delays after LDG of heavy ACFT due to RWY inspection.

Low Visibility Procedures

LVP in force when RVR at or below 600m or VIS below 800m, or when cloud base height equal to or below 250ft / 75m.

Inform ATC in the event that an exiting ACFT has to return back to the APN.

ARR ACFT shall vacate RWY 30R via A1 up to TA. Taxi via TA, entering the civil APN via C1.1.

Enter RWY 12L through TWYs C-1.1, TA, until A-1.

Enter RWY 30R through TWYs C-2.2 and A-5.

Taxiing of only one ACFT allowed at a time.

Taxi to RWY with follow-me only.

TWY Restriction

B748 ACFT, require judgemental oversteering in several areas of TWY C1, and in several curved sections of TA, A1 and C1 in curved joint with THR RWY 30L.

APU

Use of APU restricted to 2min after on-block and 5min before off-block time.

Exceptions:

- if stand is not equipped with AC power (400Hz) and mobile GPU not AVBL.
- if air condition is required and no ACU AVBL.

Engine Run-up Areas

ENG test shall be carried out:

- At stand itself, if carried out at idle regime; or
- At HLDG bay located in A5 for higher regimes.

Warnings

Military Jet FLTs.

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1-20

AOI

AOI

ARRIVAL**Communication****COM Failure**

ARR ACFT in the maneuvering area: Stop ACFT and wait for follow-me.

If ATC taxi CLR received, continue on assigned route and stop at the CLR limit taking extreme care, where to hold and wait for follow-me.

Arrival Procedure**Continuous Descent Approach (CDA)**

Procedure HRs: 1600-0600‡.

Non-Standard GP Intercept Position on RWY 30R

GP intercept RWY 30R at 313m / 1027ft after landing threshold.

Remaining LDG DIST beyond GP is 2719m / 8921ft.

VFR Traffic Pattern

RWY 12R, 30R right-hand circuit with ALT 2500ft.

Arrival Notes

RWY 30R: ALEPO 1DCB subject to LED107 activity.

DEPARTURE**Take-off Minima**

RWY		30R	
All ACFT	ft - m/km	0 - 75R	-
RWY		12L	
All ACFT	ft - m/km	0 - 125R	-
RWY		12R/30L	
All ACFT	ft - m/km	0 - 400R/400V	HJ only
		0 - 800R/800V	HN

Communication**COM Failure**

Departing ACFT in the maneuvering area: Continue on assigned route to CLR limit, take extreme caution to avoid detours. At CLR limit PSN, hold PSN and wait for the arrival of follow-me.

If ATC taxi CLR received, continue on assigned route and stop at the CLR limit taking extreme care, where to hold and wait for follow-me.

De-Icing

| AVBL

B748 Aircraft Operation**Standard Taxi Routes****ARR**

- RWY 30R: Vacate RWY via TWY A1, then taxi via TWY TA to C-1.1 and access APN to stand.
- RWY 12L: Vacate RWY via TWY A5, then taxi via TWY TA to C-2.2 and access APN to stand.
- RWY 12R: Vacate RWY via TWY C1, then taxi via TWY TA to C-1.1 and access APN to stand.
- RWY 30L: Not allowed for LDG.

DEP

- RWY 30R: Leave APN via TWY C-2.2, then taxi via TWY TA to A5 and continue to THR 30R.
- RWY 12L: Leave APN via TWY C-1.1, then taxi via TWY TA to A1 and enter RWY.
- RWY 12R/30L: Not allowed for TKOF

Taxi/Parking

Oversteering maneuvers might be necessary for turns.

Taxi on movement area with exterior ENGs at idle regime.

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22-MAR-2018

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AGC

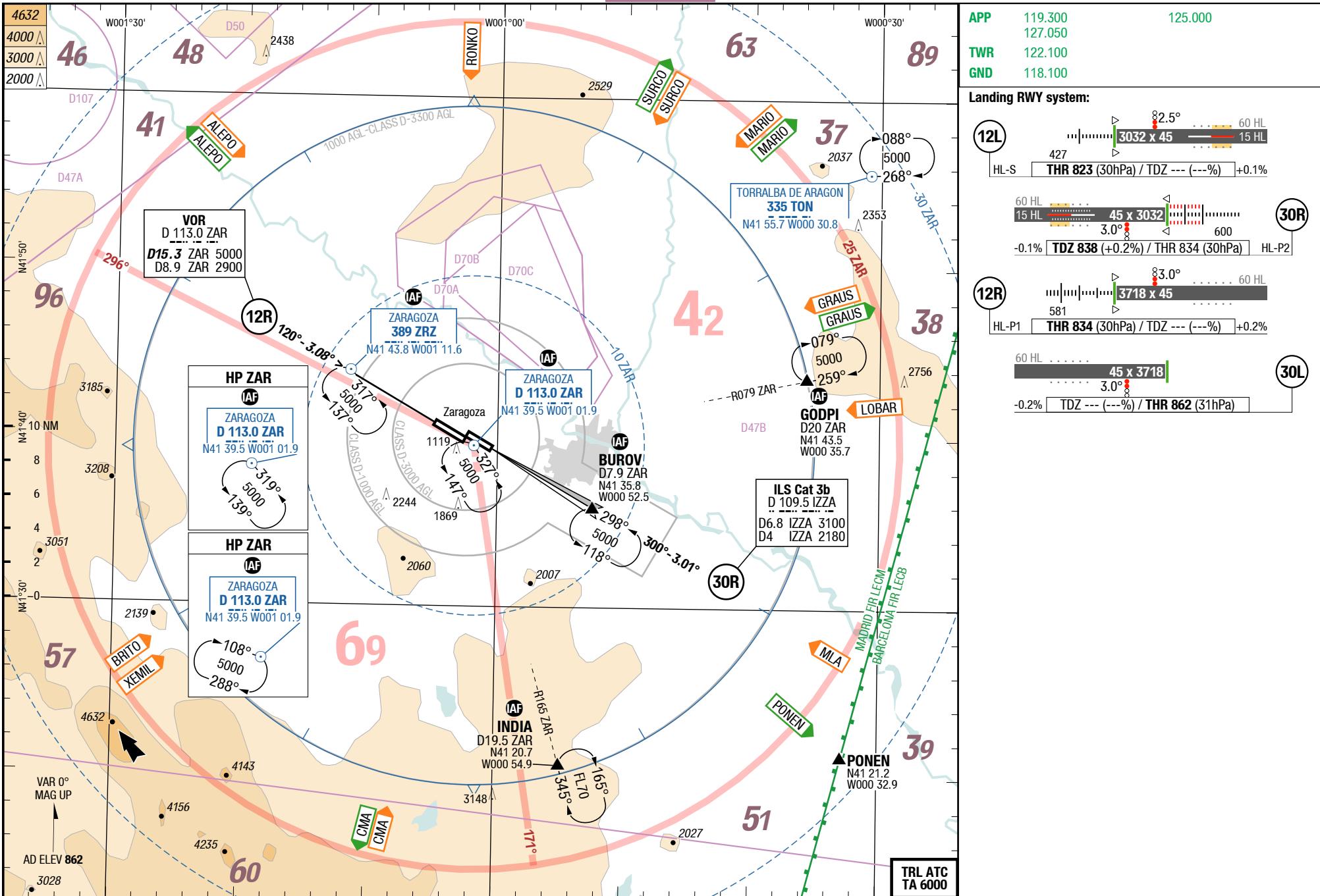
AFC

Zaragoza Spain

AGC

AFC

2-10



Changes: MSA, OBST, APCH boxes

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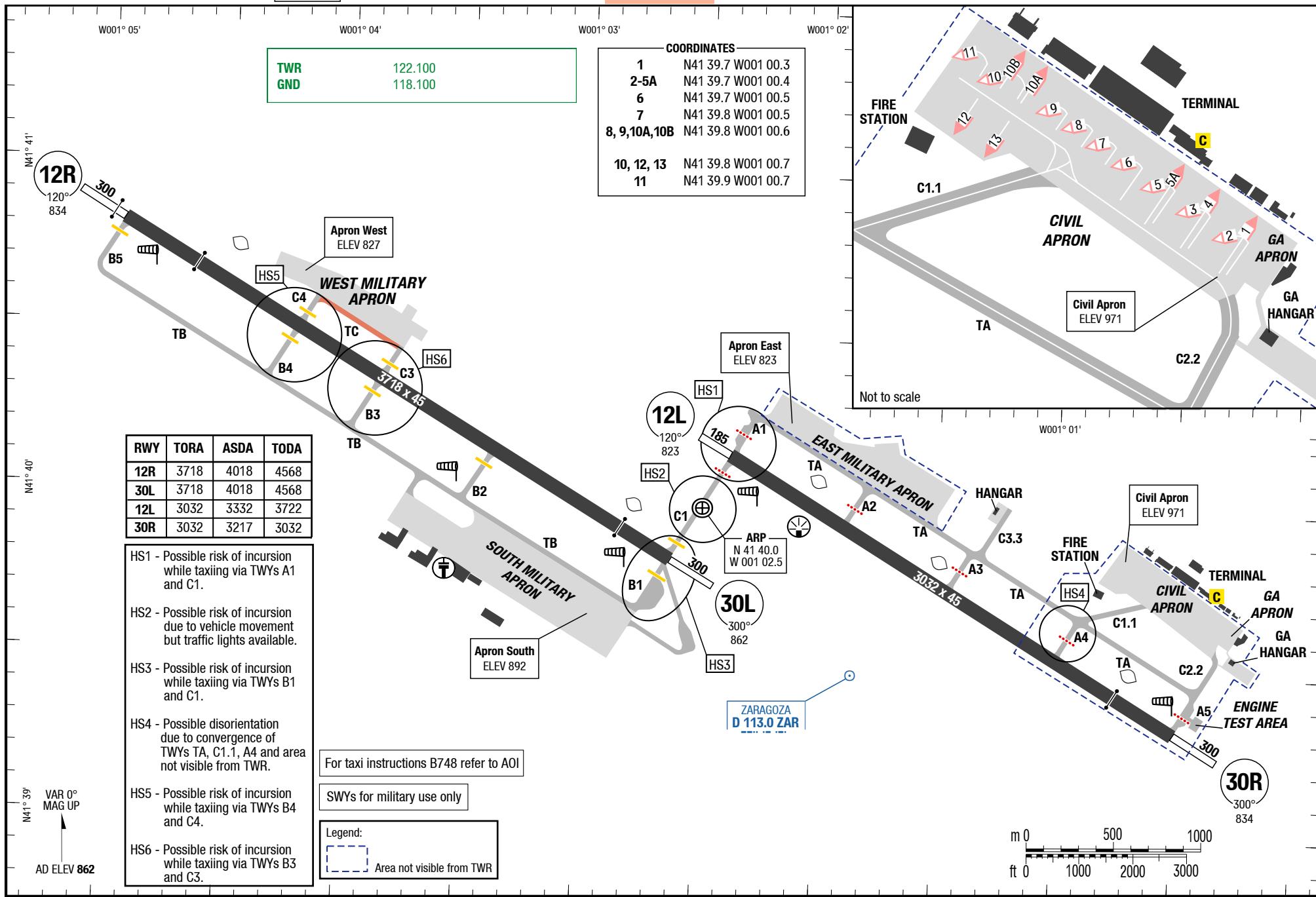
Spain Zaragoza

AGC

Zaragoza Spain

AGC

3-20



Changes: Nil

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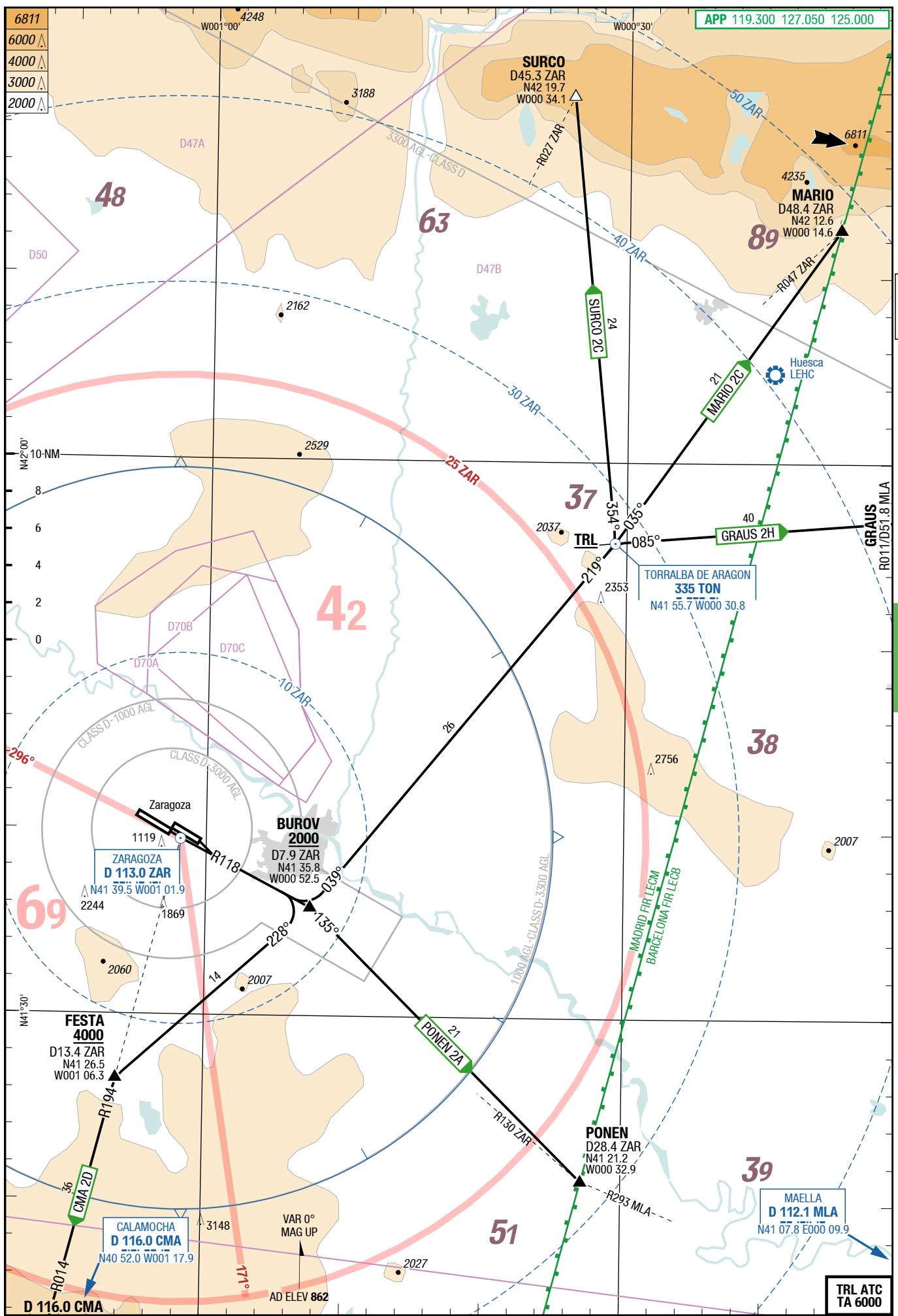
ZAZ-LEZG

4-10

Spain Zaragoza
SID RWYs 12 L/R

SID SID

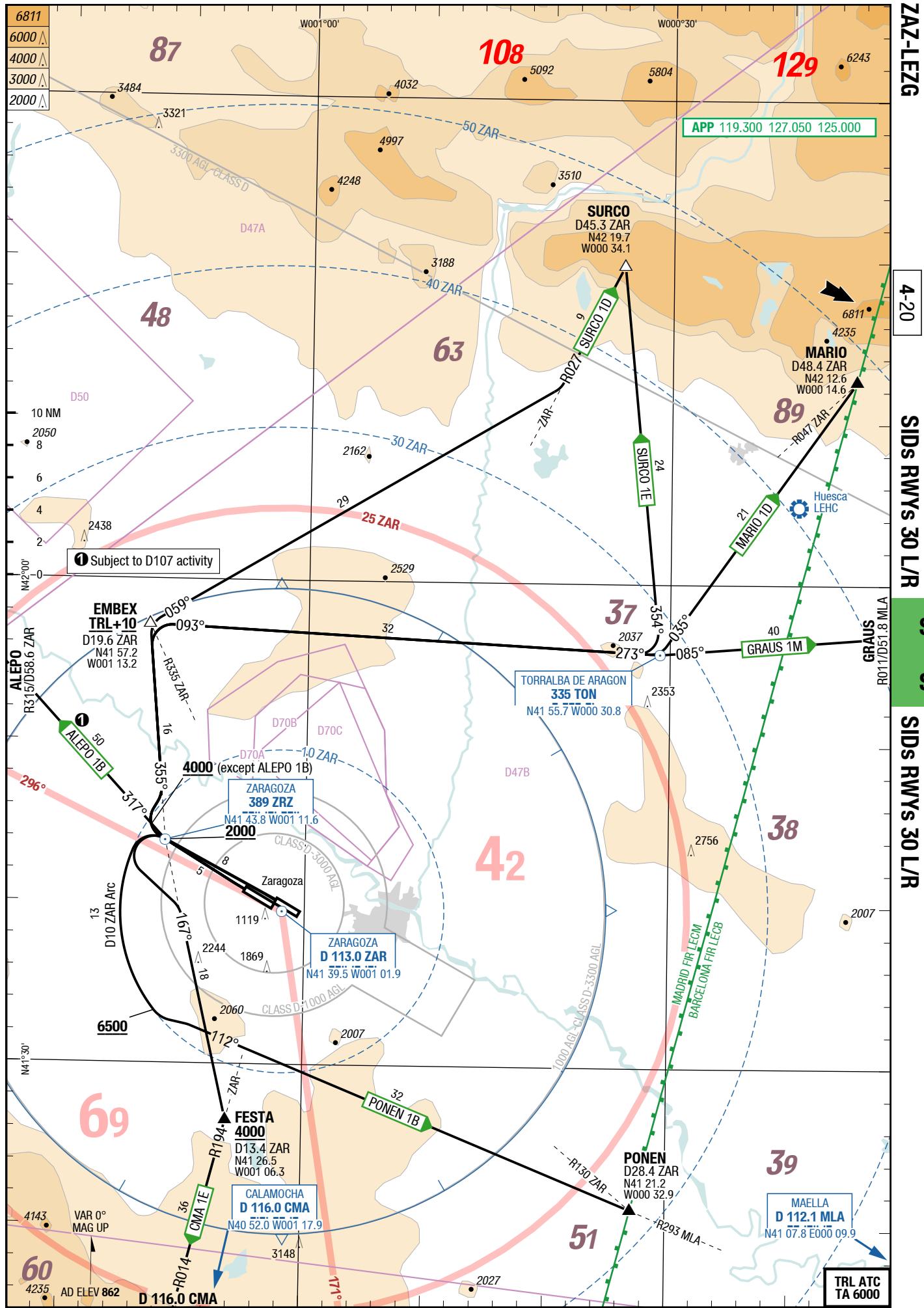
SIDs RWYs 12 L/R



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ZAZ-L3Z6

ZAZ-1EZG



ZAZ-LEZG**5-10****SIDs RWYs 12 L/R****CALAMOCHA 2D / GRAUS 2H / MARIO 2C / PONEN 2A / SURCO 2C**

RWYs 12L/R (120°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 12L/12R		
CALAMOCHA 2D CMA 2D 119.300	intercept R118 ZAR to BUROV - RT 228° to FESTA - intercept R014 CMA (R194 ZAR) to CMA	BUROV MNM 2000 FESTA MNM 4000
GRAUS 2H 119.300	intercept R118 ZAR to BUROV - LT intercept QDM 039 TON to TON - QDR 085 TON to GRAUS	BUROV MNM 2000 TON MNM TRL
MARIO 2C 119.300	intercept R118 ZAR to BUROV - LT intercept QDM 039 TON to TON - QDR 035 TON to MARIO	BUROV MNM 2000 TON MNM TRL
PONEN 2A 119.300	intercept R118 ZAR to BUROV - RT 135° intercept R293 MLA to PONEN	BUROV MNM 2000
SURCO 2C 119.300	intercept R118 ZAR to BUROV - LT intercept QDM 039 TON to TON - QDR 354 TON to SURCO	BUROV MNM 2000 TON MNM TRL

25-JAN-2018

ZAZ-LEZG**5-20****SIDs RWYs 30 L/R**

ALEPO 1B / CALAMOCHA 1E / GRAUS 1M / MARIO 1D / PONEN 1B / SURCO 1D / SURCO 1E

RWYs 30L/R (300°)

	GS	120	150	180	210	240	270
5.7%	ft/MIN	700	900	1100	1300	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 30L/30R	
ALEPO 1B 119.300 ①	direct ZRZ - QDR 317 ZRZ to ALEPO	ZRZ MNM 2000
CALAMOCHA 1E CMA 1E 119.300	direct ZRZ - LT intercept QDR 167 ZRZ - at FESTA RT intercept R014 CMA (R194 ZAR) to CMA	ZRZ MNM 2000 FESTA MNM 4000
GRAUS 1M 119.300	direct ZRZ - maintain HDG - at MNM 4000 RT intercept QDR 355 ZRZ - at EMBEX RT intercept QDM 093 TON to TON - QDR 085 TON to GRAUS	ZRZ MNM 2000 EMBEX MNM TRL+10
MARIO 1D 119.300	direct ZRZ - maintain HDG - at MNM 4000 RT intercept QDR 355 ZRZ - at EMBEX RT intercept QDM 093 TON to TON - QDR 035 TON to MARIO	ZRZ MNM 2000 EMBEX MNM TRL+10
PONEN 1B 5.7% to 6500 119.300	direct ZRZ - LT follow D10 ZAR arc - intercept R293 MLA inbound to PONEN	ZRZ MNM 2000 intercept R293 MLA MNM 6500
SURCO 1D 119.300	direct ZRZ - maintain HDG - at MNM 4000 RT intercept QDR 355 ZRZ - at EMBEX RT 059° - intercept R027 ZAR to SURCO	ZRZ MNM 2000 EMBEX MNM TRL+10
SURCO 1E 119.300	direct ZRZ - maintain HDG - at MNM 4000 RT intercept QDR 355 ZRZ - at EMBEX RT intercept QDM 093 TON to TON - QDR 354 TON to SURCO	ZRZ MNM 2000 EMBEX MNM TRL+10

① Subject to D107 activity.

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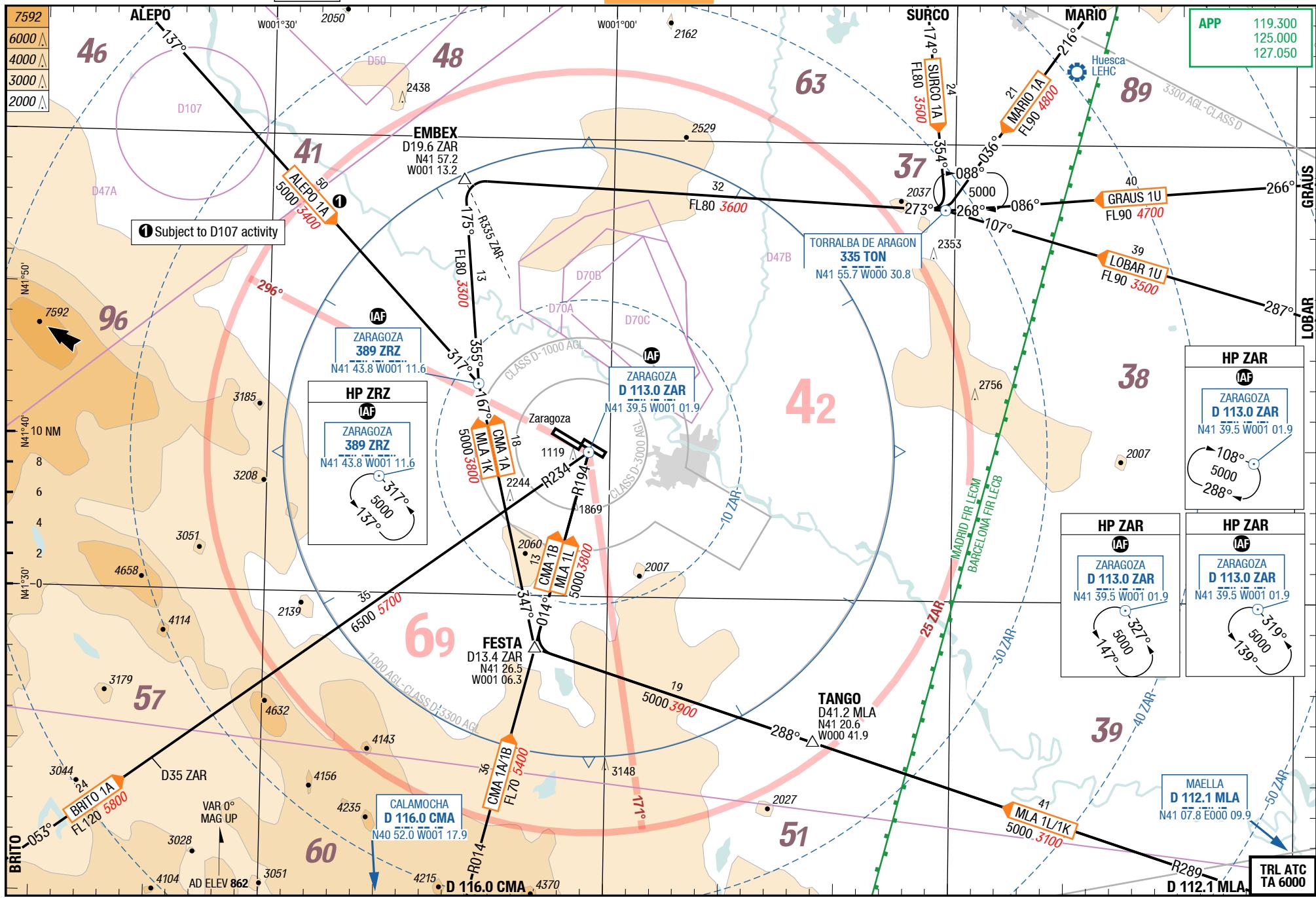
Spain Zaragoza

STARs RWYs 30L/R

Zaragoza Spain

STARs RWYs 30L/R

5-10



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Spain Zaragoza

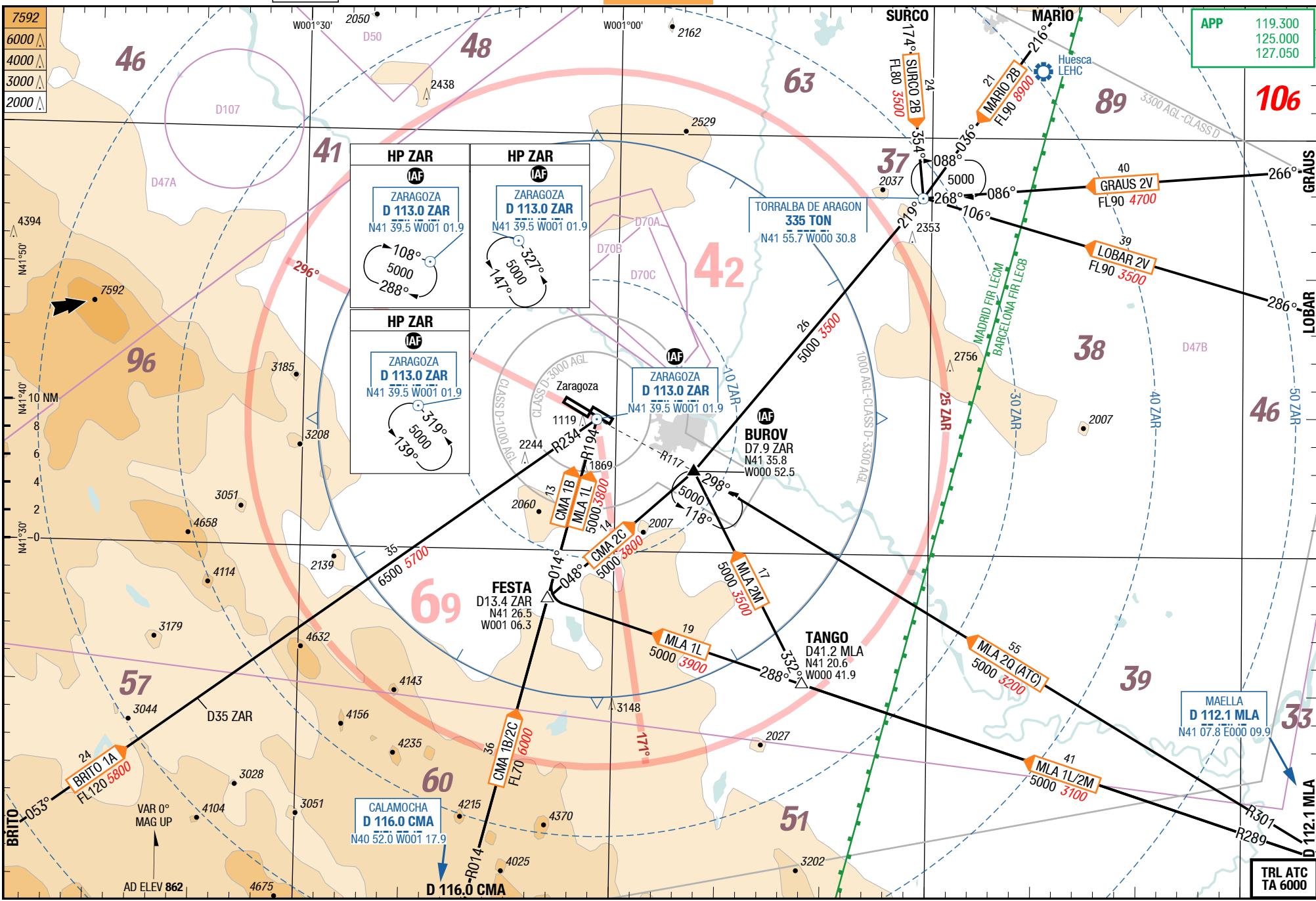
STAR

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STARs RWYs 30L/R

STARs RWYs 30L/R

6-20



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6-30

STARs RWY 12R CDA (ATC)

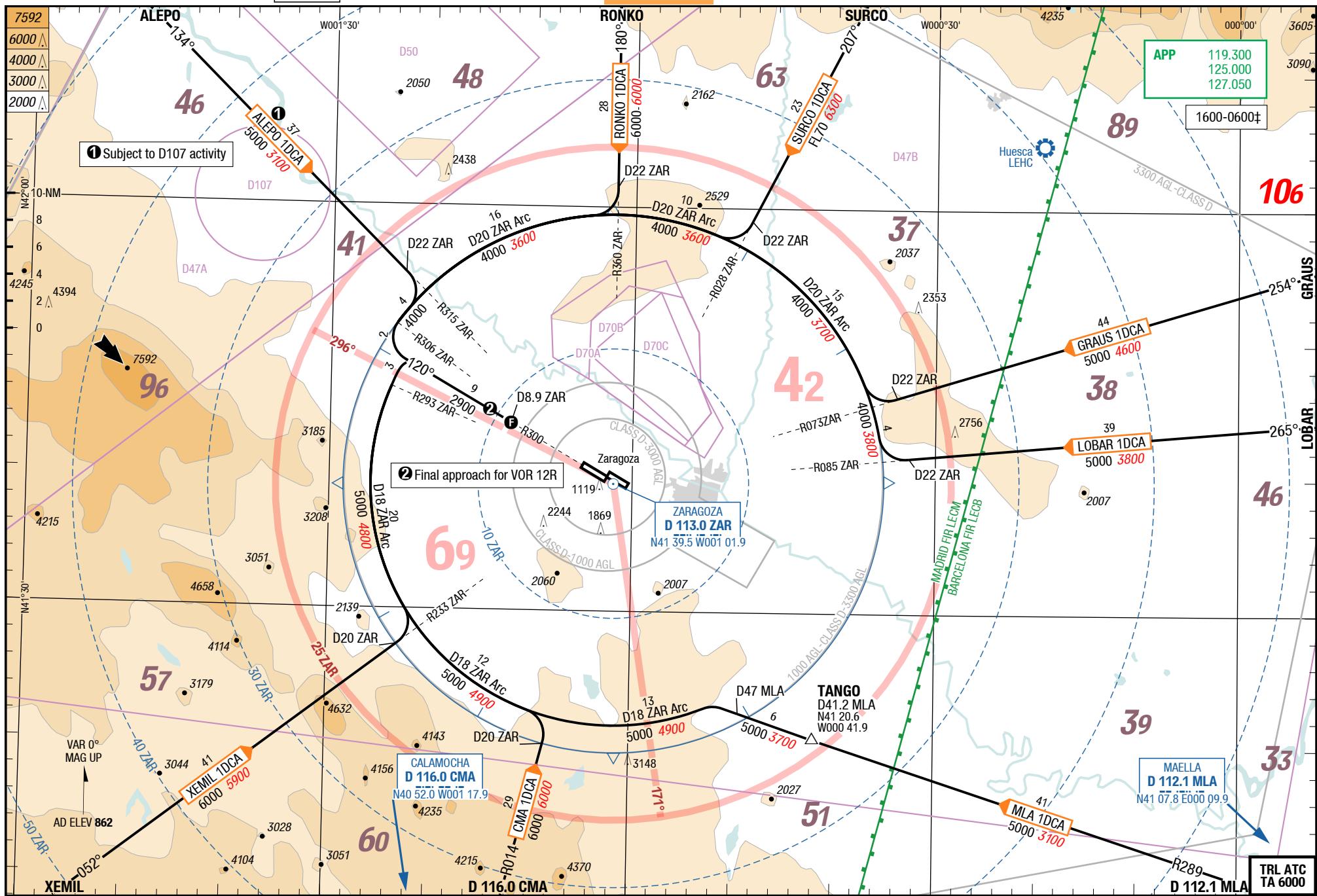
STARs RWY 30R CDA (ATC)

STAR5 RWY 30R CDA (ATC)

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STABs RWY 30B CDA (ATC)

STARs RWY 12R CDA (ATC)



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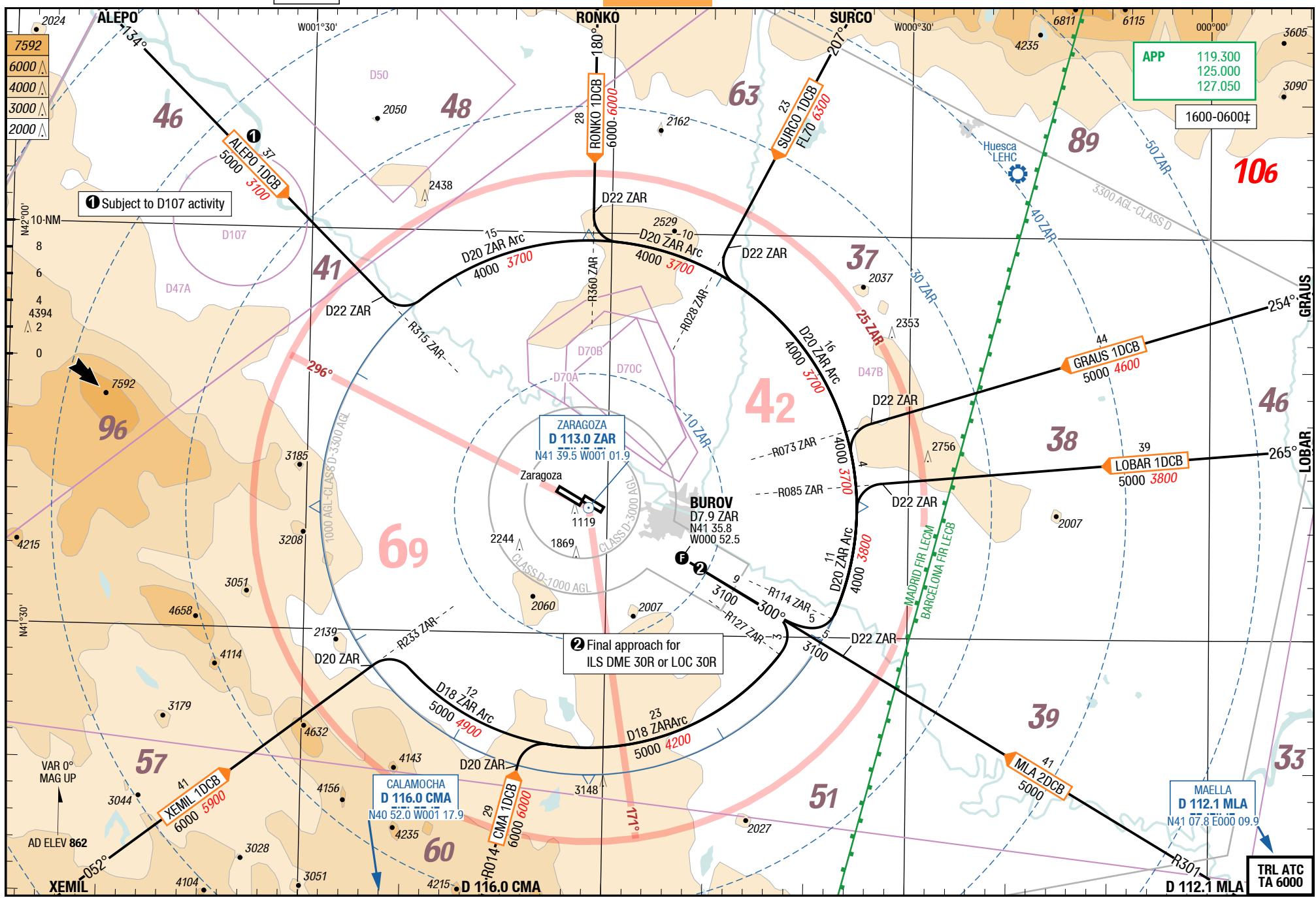
ZAZ-LEZG

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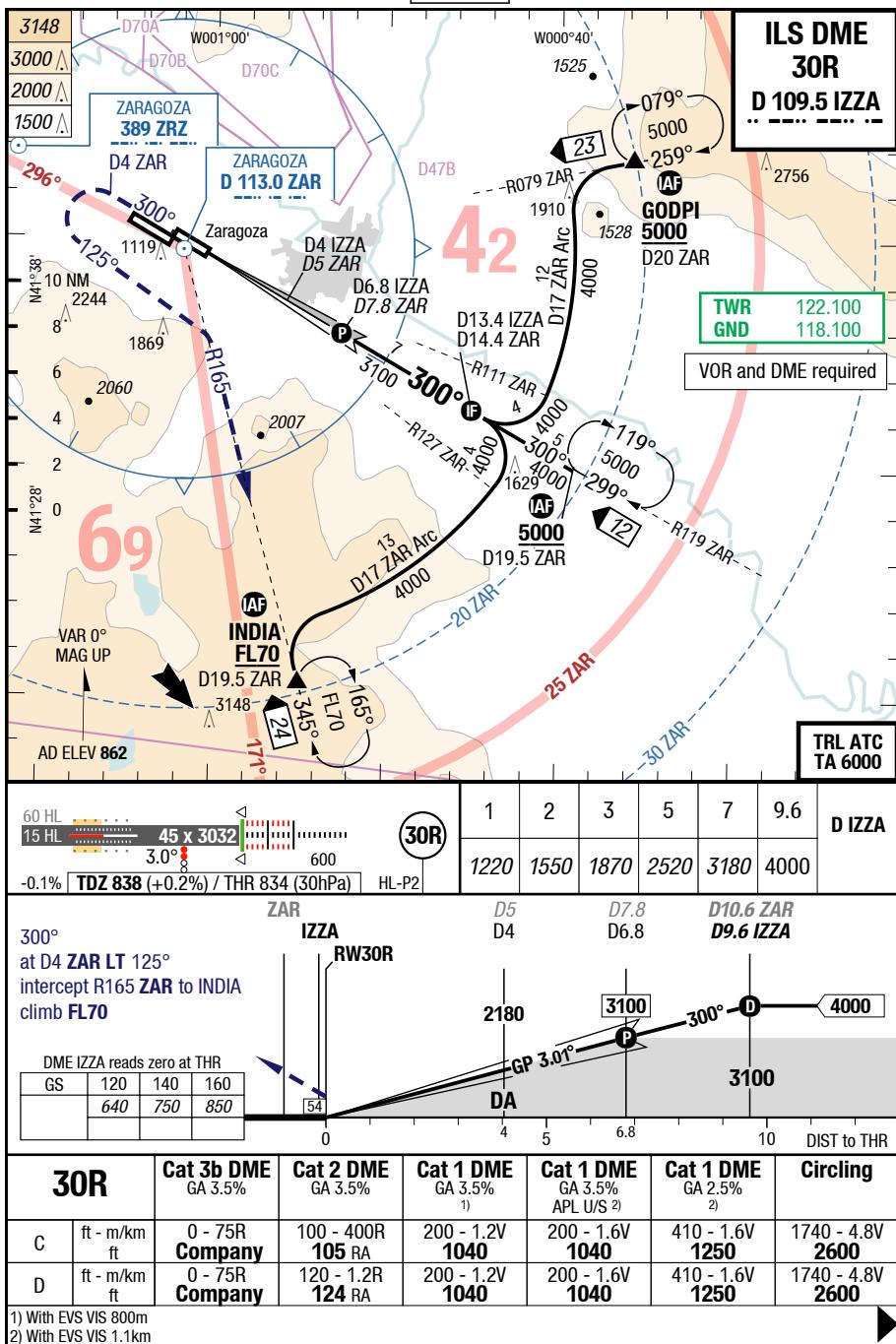
6-40 STARs RWY 30R CDA (ATC)

STARs RWY 30R CDA (ATC)



7-10

ILS DME 30R

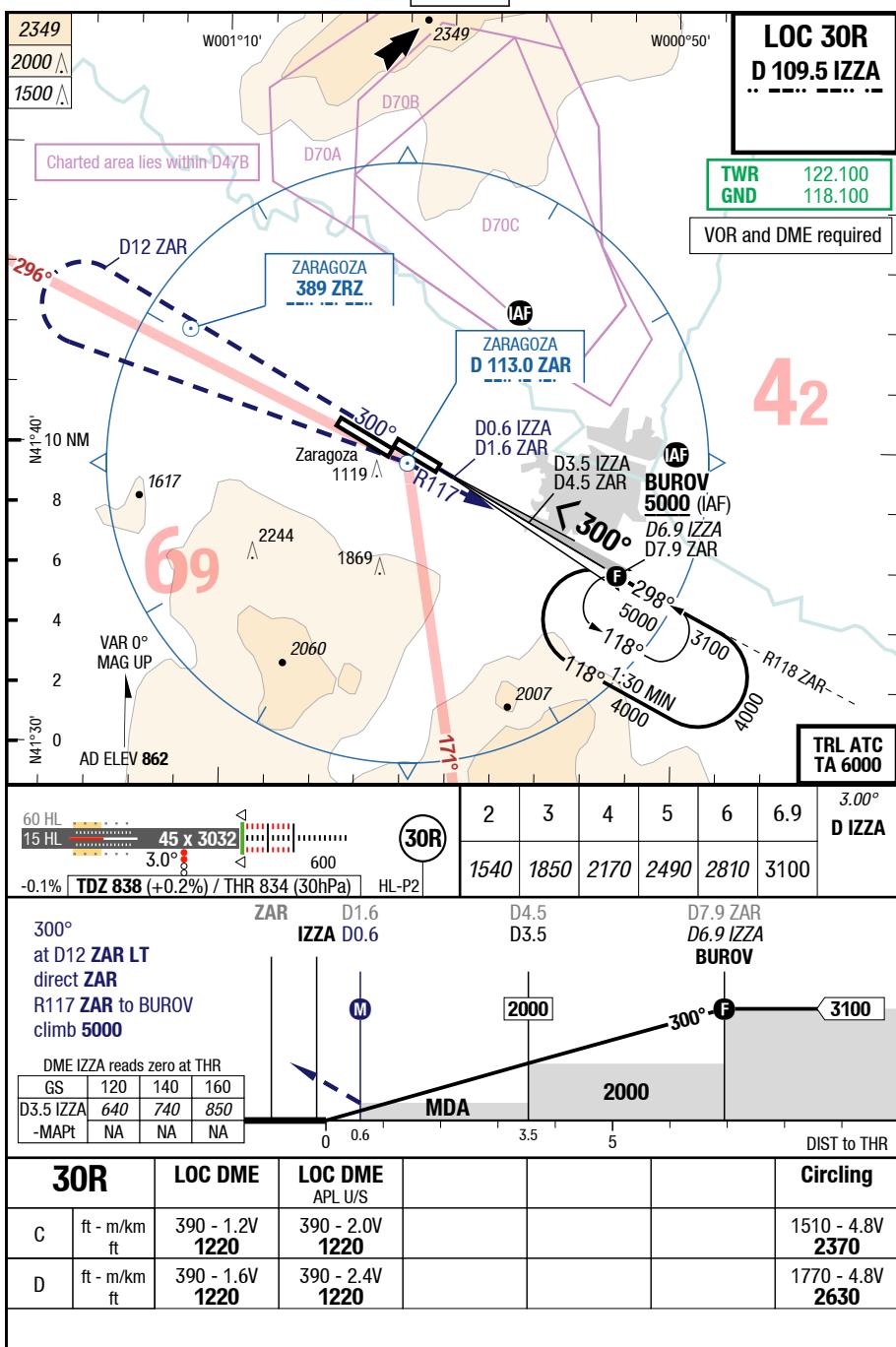


Changes: MSA, MIN, OBST

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7-20

LOC 30R



Changes: MSA, DIST ALT table, Track, MIN, OBST, ROD

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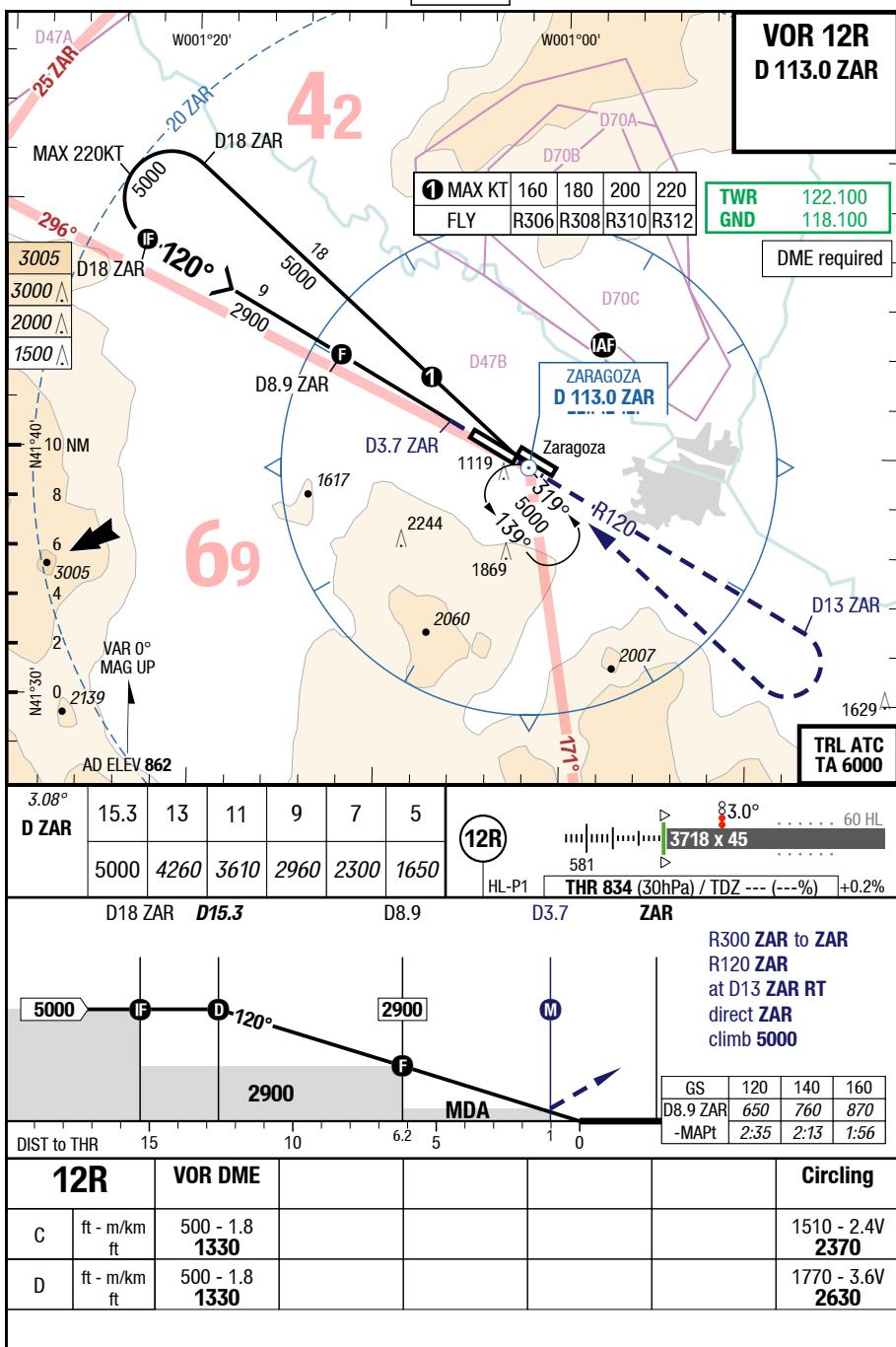
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7-30

IAC

VOR 12R



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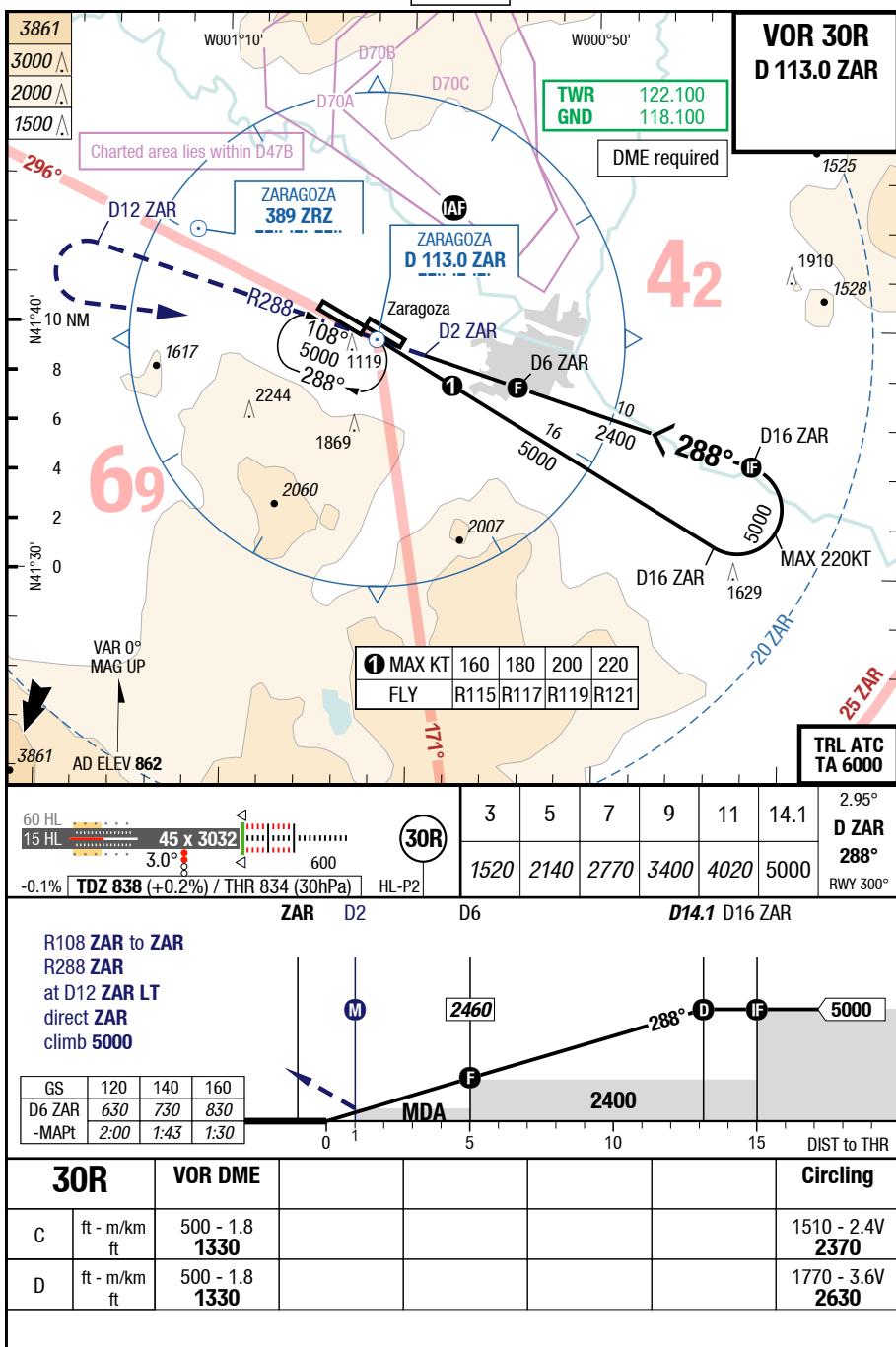
ZAZ-LEZG

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IAC

7-40

VOR 30R



Changes: MSA, MIN, OBST

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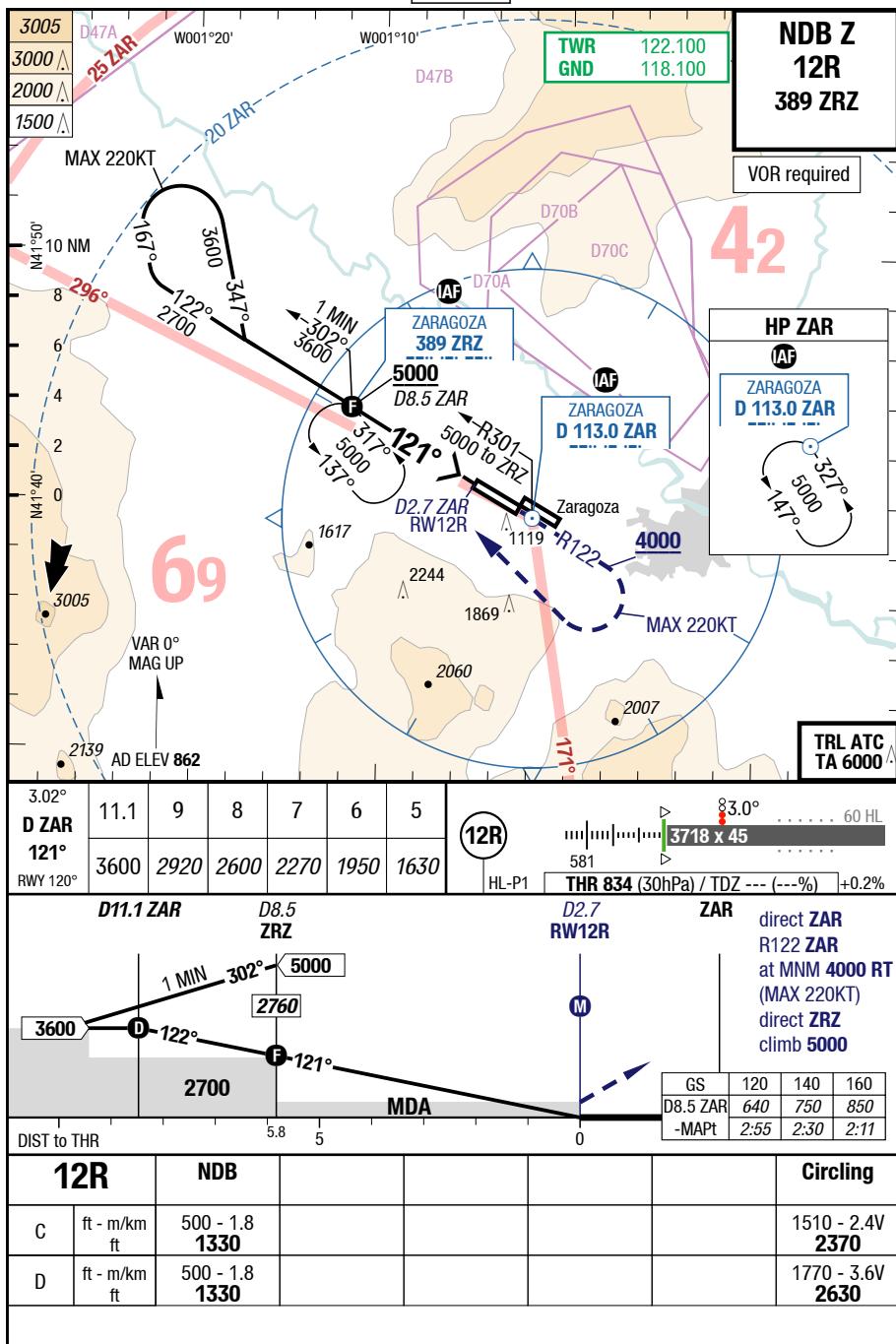
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NDB Z 12R



Changes: MSA, ALT, MIN, MEA, OBST, Profile

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22-MAR-2018

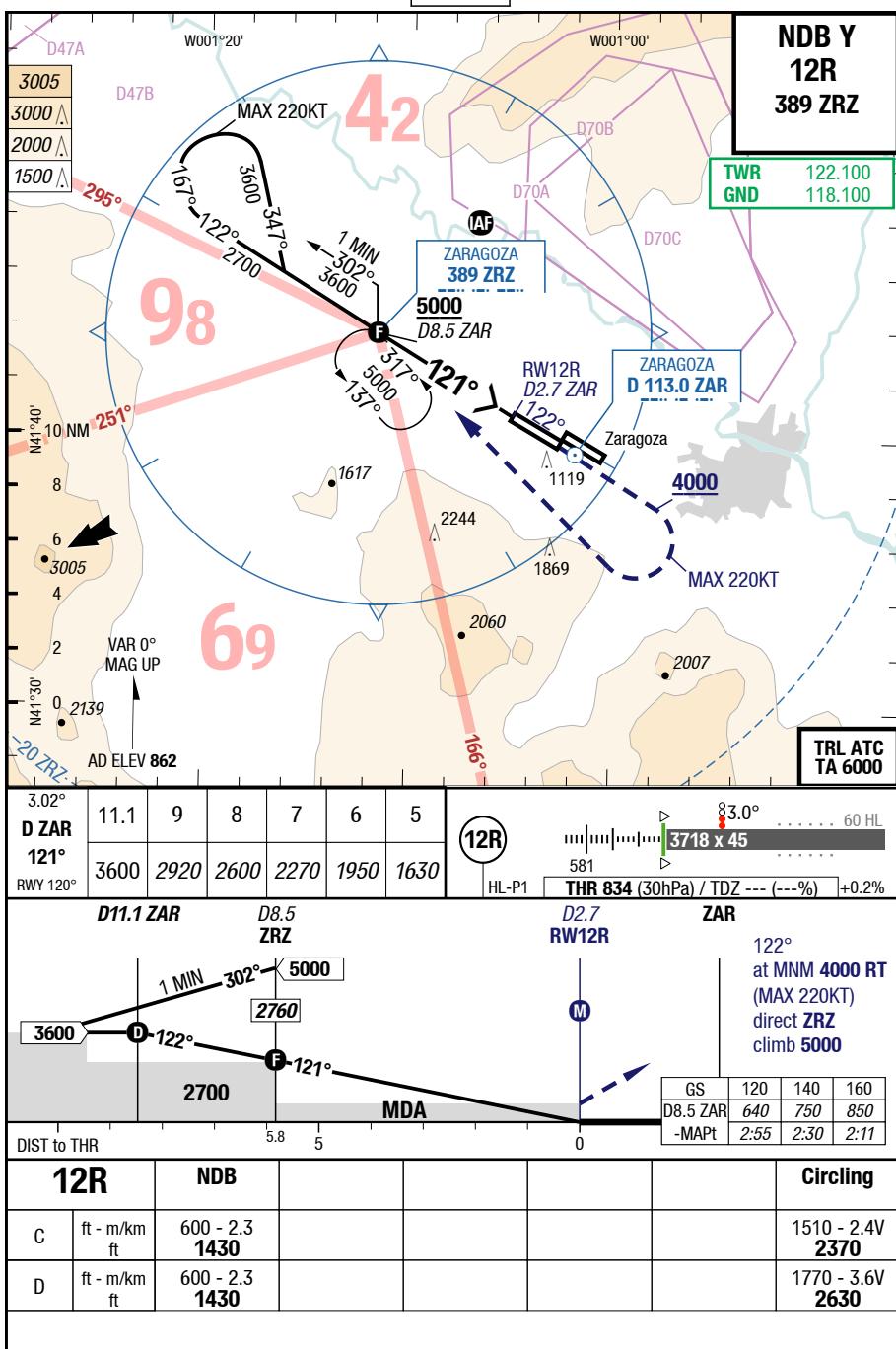
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ZAZ-LEZG

7-60

NDB Y 12R

IAC



ZAZ-LEZG**7-70****WxMinima Overflow**

30R		Cat 1 DME GA 2.5% APL U/S 1)					
C	ft - m/km ft	410 - 2.0V 1250					
D	ft - m/km ft	410 - 2.0V 1250					

1) With EVS VIS 1.3km