

**GENERAL****Operational Hours****ATS Hours:** H24**AD ADMIN Hours**

MON-FRI 0830-1630±

Ramadan 0900-1430±

Permanence H24

**Airport Information****RFF:** CAT 7**PCN:** RWY 10/28: 80/F/B/W/T**Operation****RWY Restriction**

180°-turns at RWY ends only for ACFT with 35t / 77162lbs and above.

**TWY Restrictions**

TWY M2 width 21m / 69ft.

TWY M3, M4, M5 width 15m / 49ft.

**Parking**

APN F: Parking for posts F1-F8 should be autonomous (90°).

**Warnings**

Overflying the city of Marrakech prohibited.

Birds in vicinity of AD.

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

- Follow the authorized or FPL STAR in case of radar guidance, proceed to the initial STAR.
- Observe published FL and speed requirements.
- Proceed to IAF at the last assigned LVL that was acknowledged, if this LVL is AVBL in the HLDG pattern, otherwise at the highest LVL in the HLDG pattern.
- Stay in the HLDG pattern at this LVL until the last time as follow:
  - EAT or;
  - ARR time in the HLDG pattern plus 10min.
- Then descend in the HLDG pattern to FL60.
- Leave IAF at this LVL to perform the known or estimated APCH PROC until landing.

**DEPARTURE****Take-off Minima**

RWY		10/28	
All ACFT	ft - m/km	0 - 400R/400v	-

**DEPARTURE****Communication****COM Failure**

**In VMC:** Turn back to land on AD.

**In IMC:** Pursue the flight in accordance with DEP route, climb till assigned FL or the flight MNM ALT if higher then comply with FPL in force.

**Departure Procedure****Start-up/Push-back**

APN F: Push-back is to coordinate with ARO.

**Noise Abatement Procedures**

**RWY 10:** Right turn as soon as possible to join MAK VOR and follow ATC instr.

**RWY 28:** Maintain RWY HDG until overhead MAK VOR and follow ATC instr.

31-MAY-2018  
RAK-GMMX

Morocco Marrakech Menara Intl

AGC  
AFC

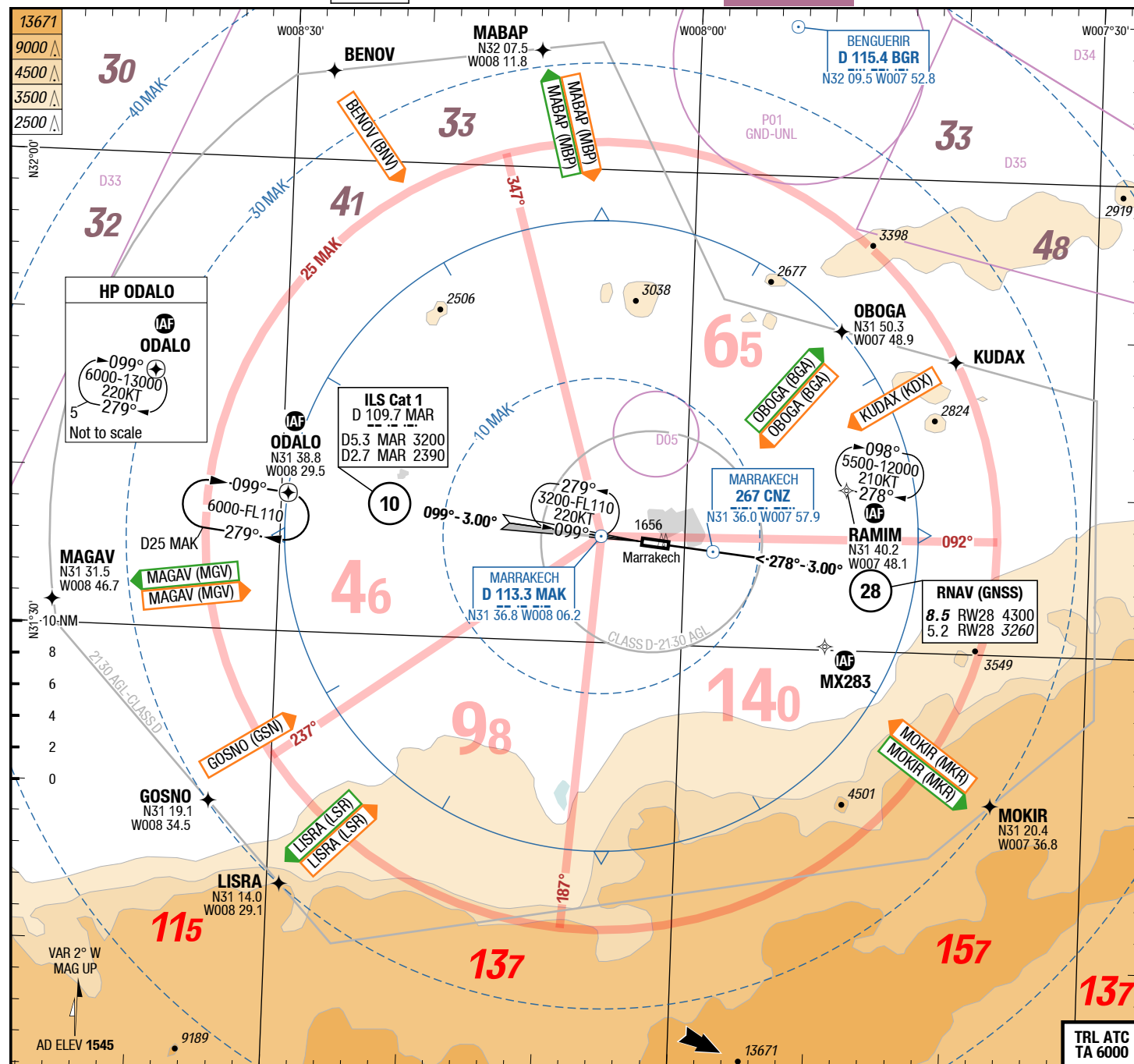
AFC

AFC

Menara Intl Marrakech Morocco

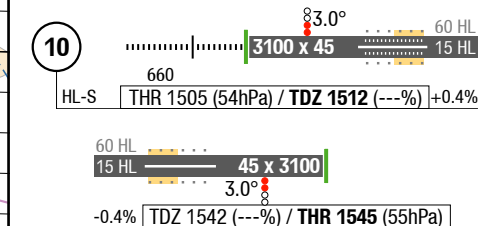
AGC  
AFC

2-10



ATIS 121.950 0600-0000  
APP 119.700  
120.100  
TWR 118.700  
118.100

Landing RWY system:



Changes: FREQ, WPT RAMIM

31-MAY-2018  
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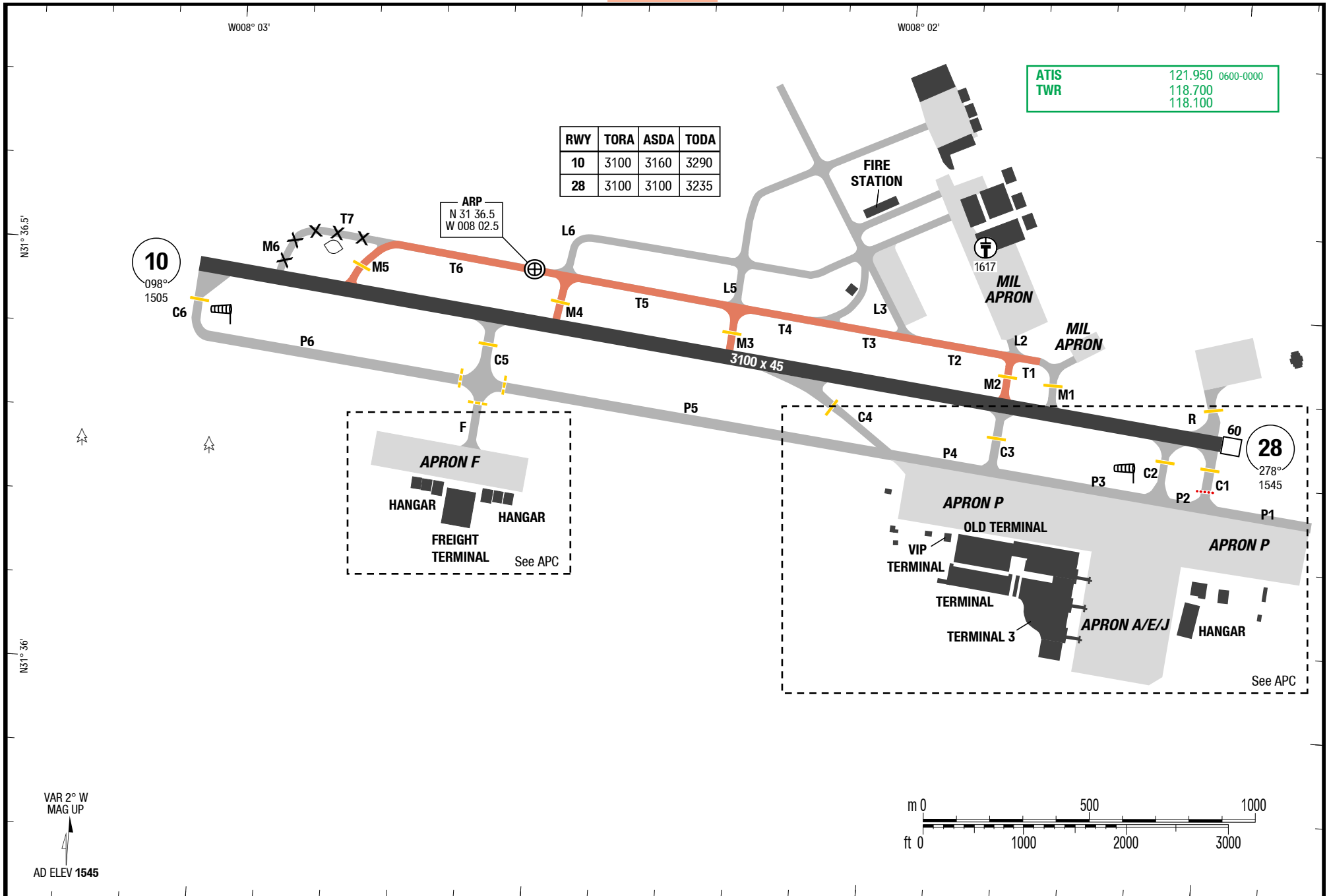
AGC

AGC

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AGC

3-20



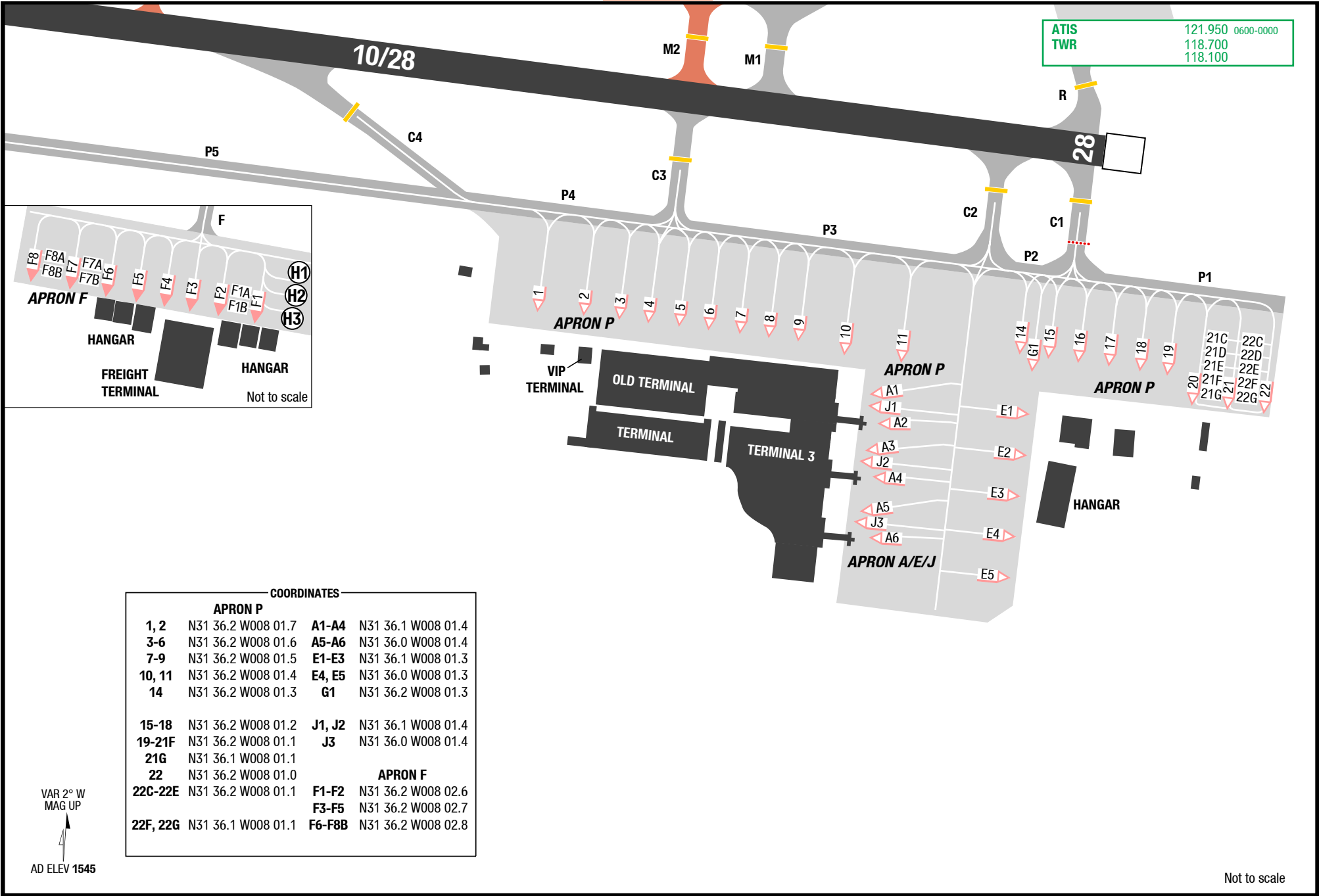
31-MAY-2018  
RAK-GMMX

Morocco Marrakech Menara Intl  
APC  
APC  
APC

Menara Intl Marrakech Morocco  
APC  
APC  
APC

3-30

ATIS  
TWR  
121.950 0600-0000  
118.700  
118.100



Changes: FREQ

## RAK-GMMX

## SIDs RWY 28

**4-10**

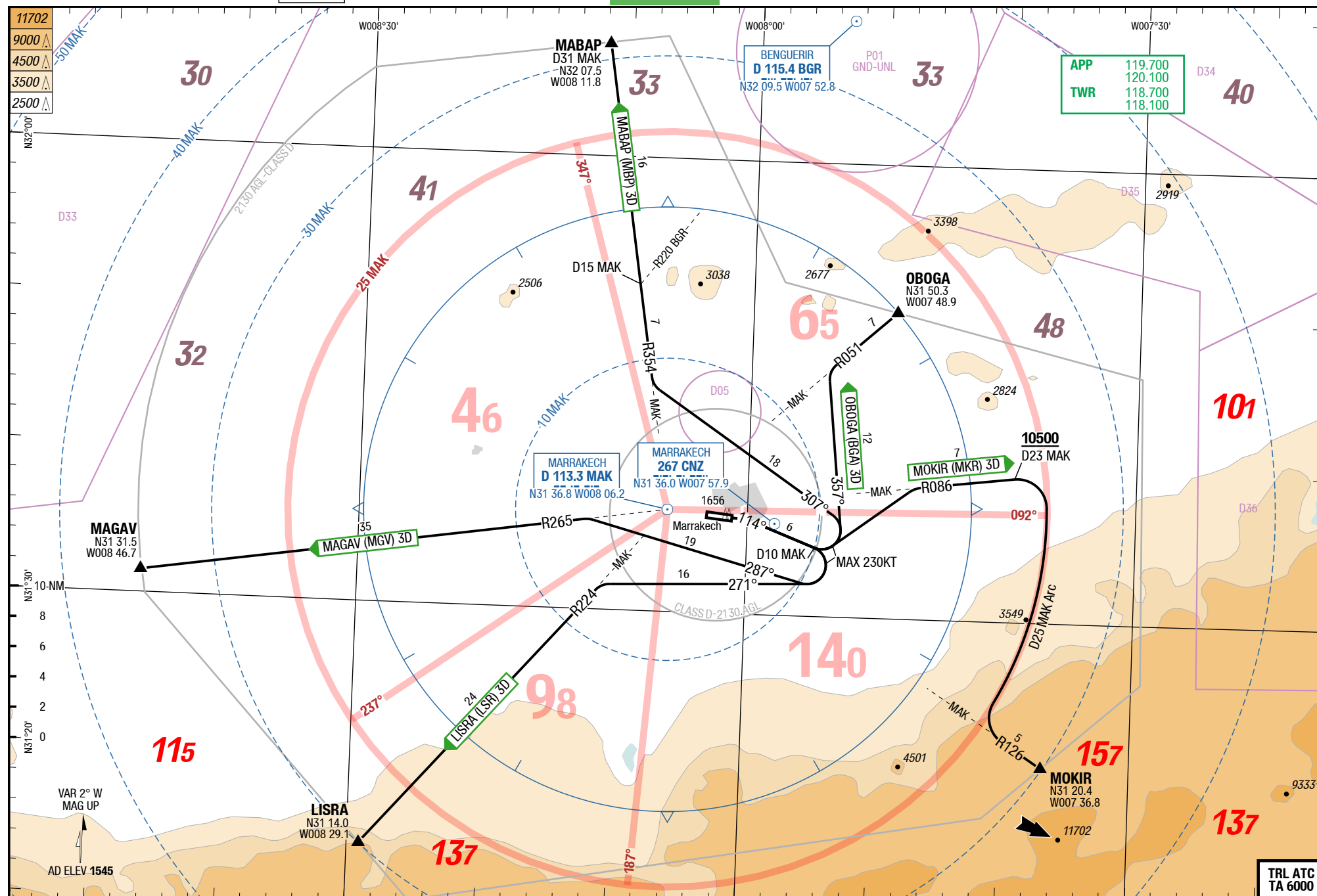
## SIDs RWY 10

SID

SID

SIDs RWY 28

## SIDs RWY 10



Changes: OBST

TRL ATC  
TA 6000

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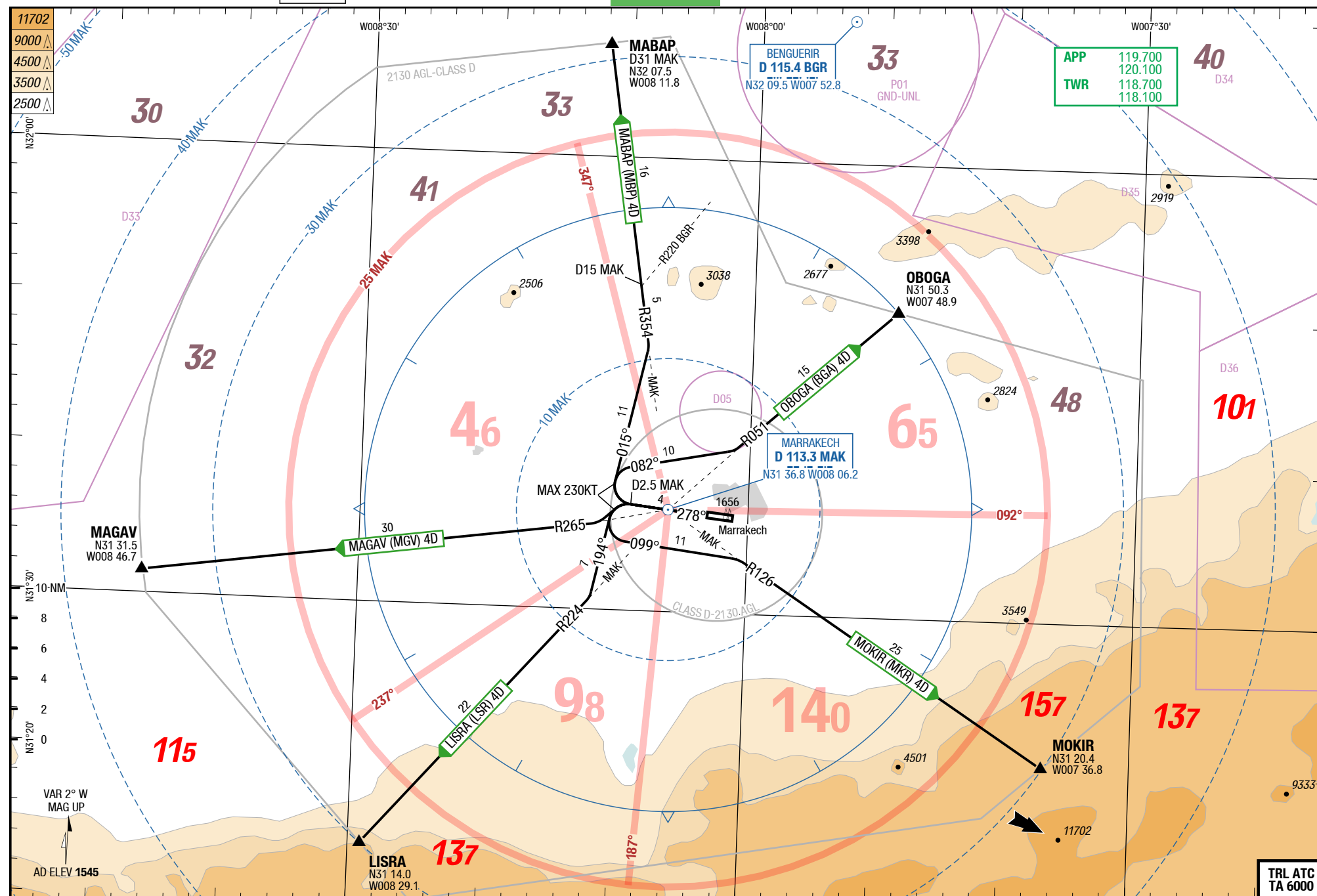
## RAK-GMMX

## SIDs RWY 28

SID

SID

## SIDs RWY 28



Changes: OBST

TRL ATC  
TA 6000

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## LISRA 3D / MABAP 3D / MAGAV 3D / MOKIR 3D / OBOGA 3D

RWY 10 (098°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100
5.0%	ft/MIN	700	800	1000	1100	1300	1400
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 10</b>	
<b>LISRA 3D</b> <b>LSR 3D</b> 7.0% to D10 <b>MAK</b> 5.0% <b>119.700</b> ①	114° - at D10 <b>MAK RT</b> 271° (MAX 230KT) - intercept R224 <b>MAK</b> to LISRA	
<b>MABAP 3D</b> <b>MBP 3D</b> 7.0% to D10 <b>MAK</b> 4.0% <b>119.700</b> ①	114° - at D10 <b>MAK LT</b> 307° (MAX 230KT) - intercept R354 <b>MAK</b> to MABAP	
<b>MAGAV 3D</b> <b>MGV 3D</b> 7.0% to D10 <b>MAK</b> 4.0% <b>119.700</b> ①	114° - at D10 <b>MAK RT</b> 287° (MAX 230KT) - intercept R265 <b>MAK</b> to MAGAV	
<b>MOKIR 3D</b> <b>MKR 3D</b> 7.0% <b>119.700</b> ①	114° - at D10 <b>MAK LT</b> (MAX 230KT) intercept R086 <b>MAK</b> - at D23 <b>MAK RT</b> follow D25 <b>MAK</b> arc - intercept R126 <b>MAK</b> to MOKIR	D23 <b>MAK</b> MNM 10500
<b>OBOGA 3D</b> <b>BGA 3D</b> 7.0% to D10 <b>MAK</b> 5.0% <b>119.700</b> ①	114° - at D10 <b>MAK LT</b> 357° (MAX 230KT) - intercept R051 <b>MAK</b> to OBOGA	

① If unable to comply with climb gradient, advise ATC.



## LISRA 4D / MABAP 4D / MAGAV 4D / MOKIR 4D / OBOGA 4D

RWY 28 (278°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100
5.0%	ft/MIN	700	800	1000	1100	1300	1400
6.0%	ft/MIN	800	1000	1100	1300	1500	1700
7.0%	ft/MIN	900	1100	1300	1500	1800	2000

DESIGNATOR	ROUTING	ALTITUDES
	<b>Runway 28</b>	
<b>LISRA 4D</b> <b>LSR 4D</b> 7.0% <b>119.700</b> ①	at D2.5 <b>MAK LT</b> 194° (MAX 230KT) - intercept R224 <b>MAK</b> to LISRA	
<b>MABAP 4D</b> <b>MBP 4D</b> 7.0% to D2.5 <b>MAK</b> 4.0% <b>119.700</b> ①	at D2.5 <b>MAK RT</b> 015° (MAX 230KT) - intercept R354 <b>MAK</b> to MABAP	
<b>MAGAV 4D</b> <b>MGV 4D</b> 7.0% to D2.5 <b>MAK</b> 5.0% <b>119.700</b> ①	at D2.5 <b>MAK LT</b> (MAX 230KT) - intercept R265 <b>MAK</b> to MAGAV	
<b>MOKIR 4D</b> <b>MKR 4D</b> 7.0% to D2.5 <b>MAK</b> 6.0% <b>119.700</b> ①	at D2.5 <b>MAK LT</b> 099° (MAX 230KT) - intercept R126 <b>MAK</b> to MOKIR	
<b>OBOGA 4D</b> <b>BGA 4D</b> 7.0% to D2.5 <b>MAK</b> 5.0% <b>119.700</b> ①	at D2.5 <b>MAK RT</b> 082° (MAX 230KT) - intercept R051 <b>MAK</b> to OBOGA	

① If unable to comply with climb gradient, advise ATC.

## RAK-GMMX

RNAV STARs RWY 28

6-10

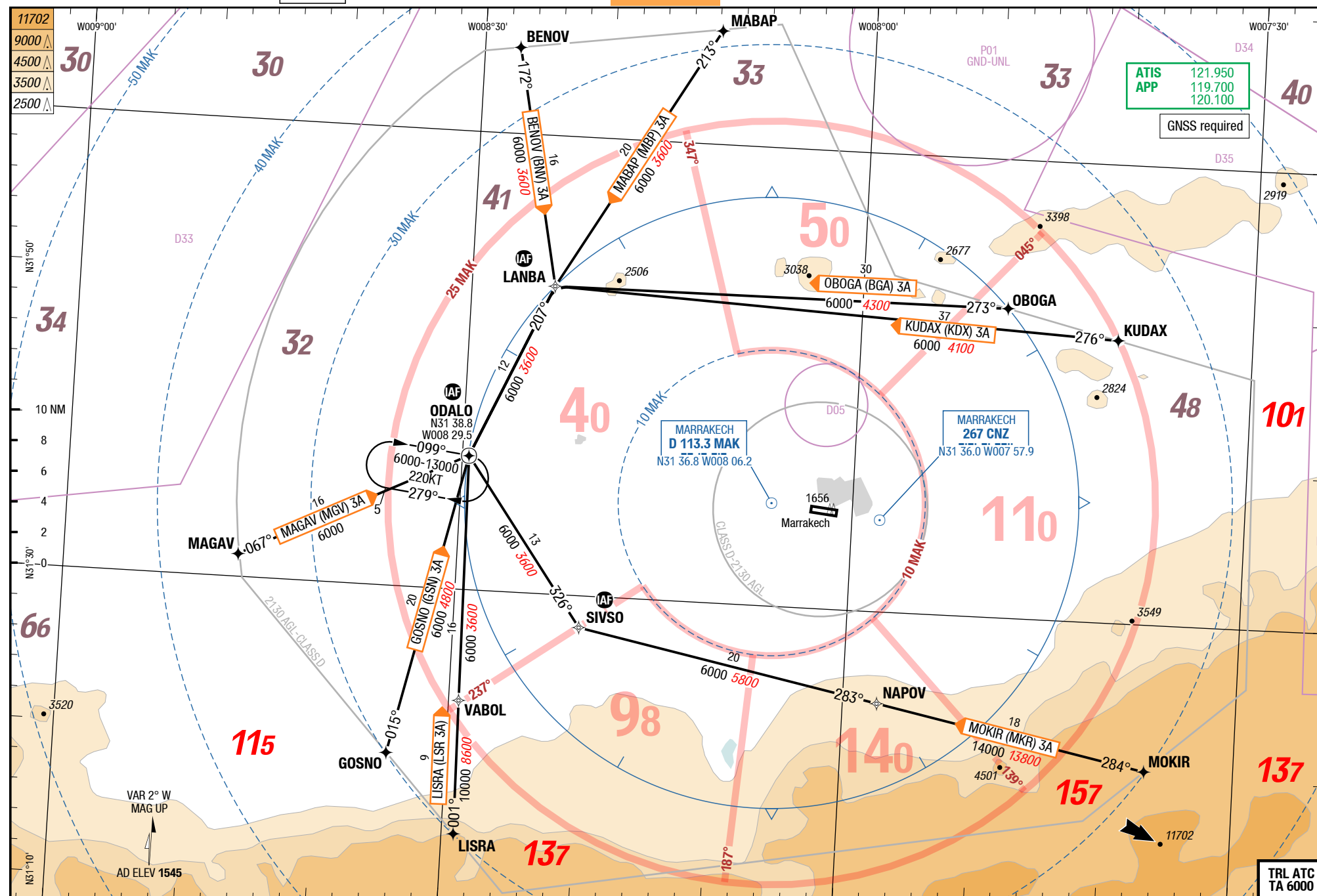
## RNAV STARs RWY 10

**STAR**

**STAR**

RNAV STARs RWY 28

## RNAV STARs RWY 10



Changes: FREQ, OBST

TRL ATC  
TA 6000

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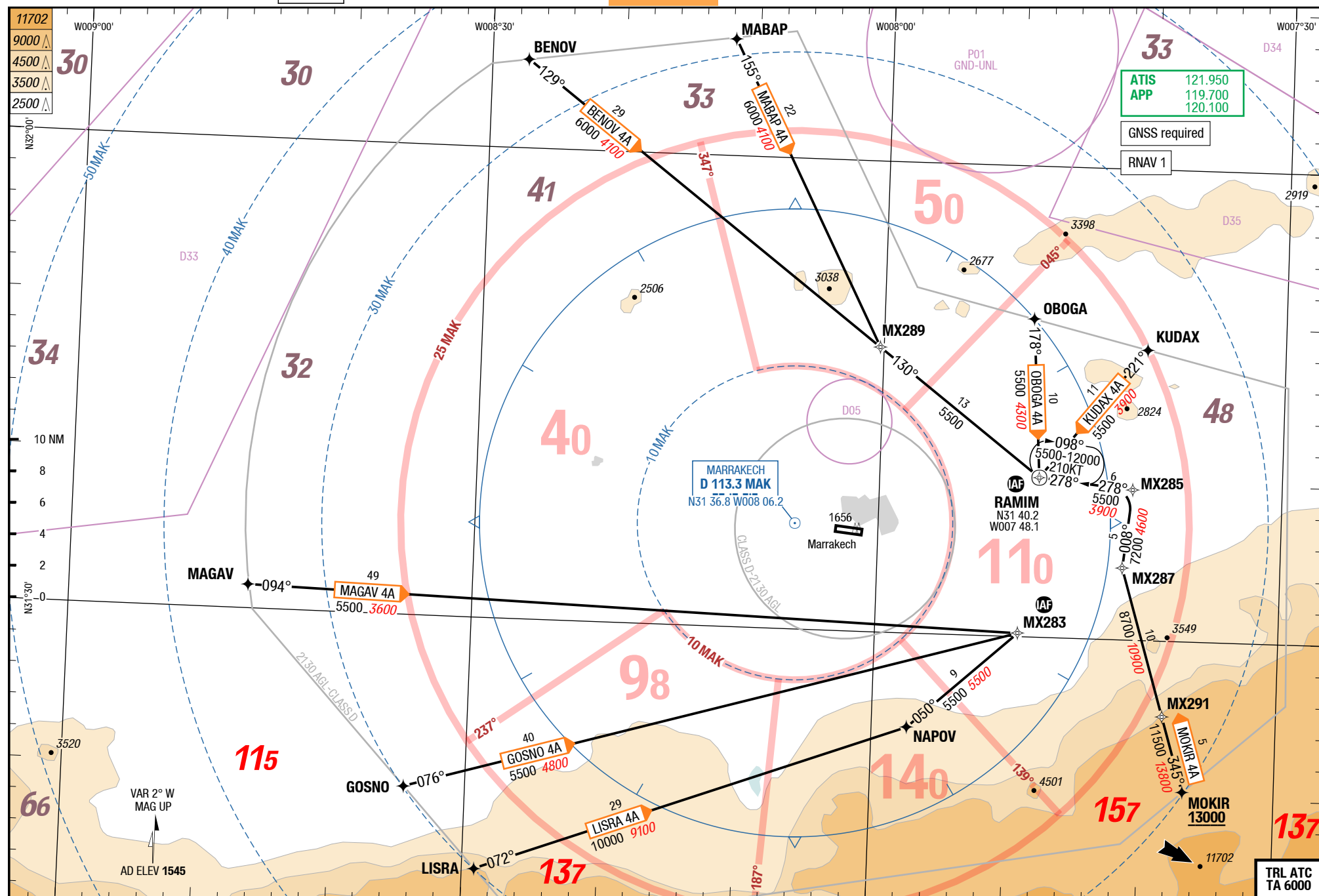
## RAK-GMMX

## RNAV STARs RWY 28

**STAR**

**STAR**

## RNAV STARs RWY 28



Changes: MTCA, Track, WPT RAMIM, FREQ, Note, OBST

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31-MAY-2018  
RAK-GMMX

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NIL

STARs

STAR

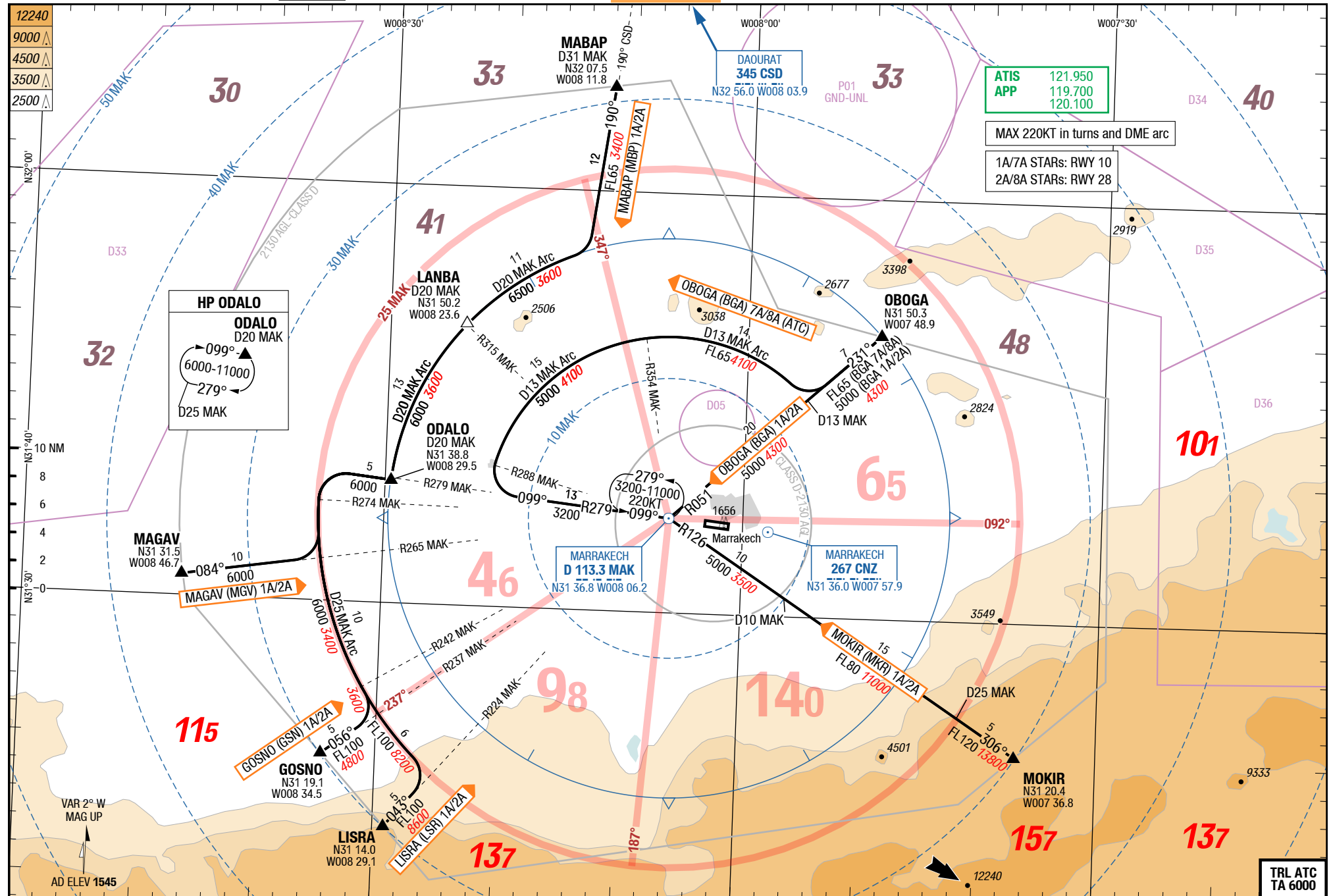
STAR

Menara Intl Marrakech Morocco

NIL

STARs

6-30



Changes: FREQ, OBST, Editorial

Morocco Marrakech Menara Intl

**IAC**

**IAC**Menara Intl **Marrakech** Morocco

ILS or LOC 10 via STARS

7-10

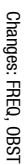
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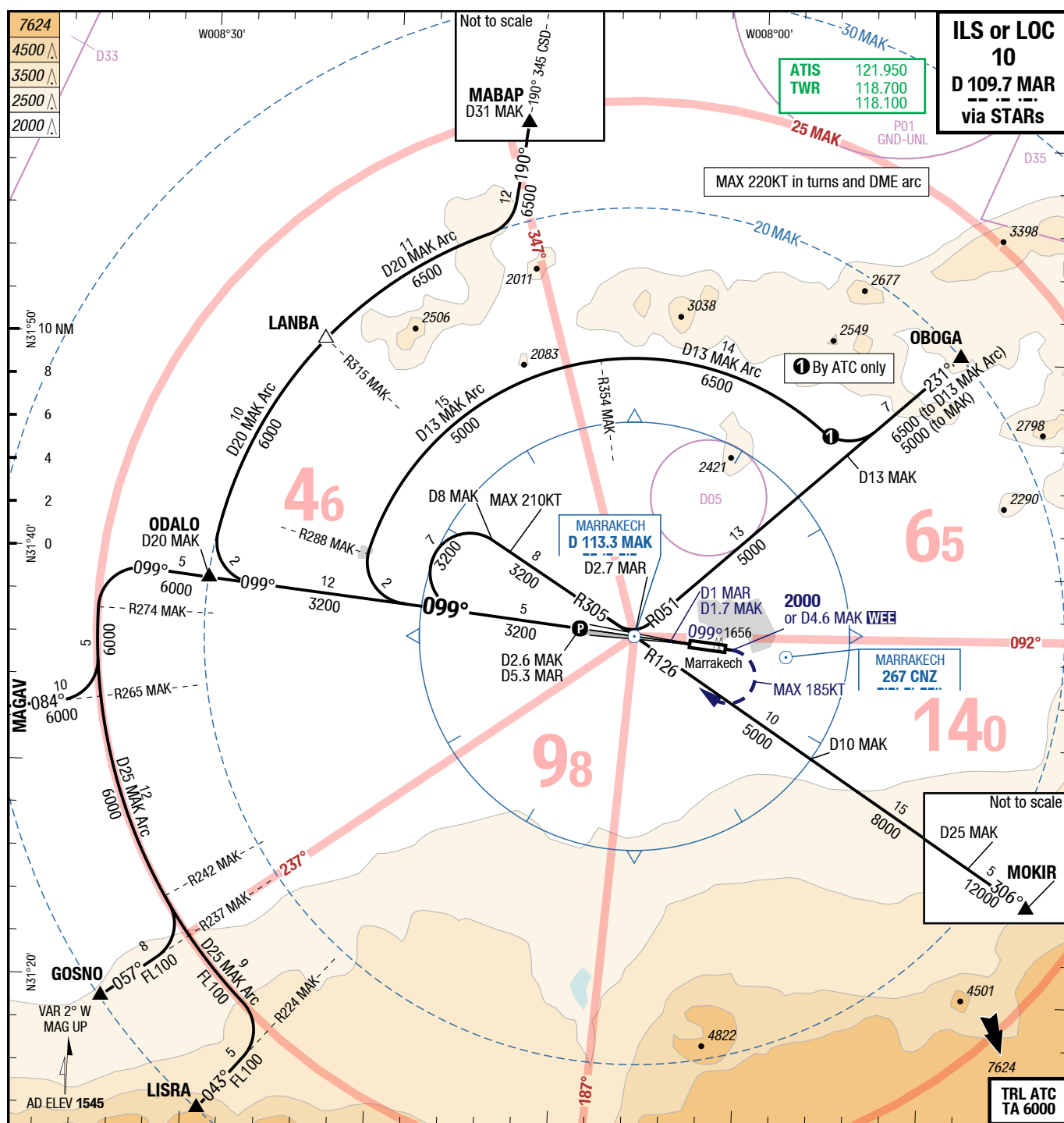
# IAC

**IAC**

Menara Intl **Marrakech** Morocco  
 ILS or LOC 10 via STARS  
**ILS or LOC 10**

ILS or LOC 10 via STARS





**LOC 3.00°**  
**D MAR**  
**099°**  
 RWY 098°

5.3	5	4	3	2
3200	3110	2790	2470	2150

HL-S THR 1505 (54hPa) / **TDZ 1512** (---) +0.4%

8.3.0° 60 HL 15 HL

D8 MAK D2.6 D5.3 MAK D2.7 D1.7 MAK D1 MAR

MAX 210KT R305 5000 3200 2390 GP 099°-GP 3.00° MDA 52

3200 2150

DIST to THR 10 5.2 5 2.6 0.9 0

GS 120 140 160  
 D5.3 MAR 640 740 850  
 -MAPt 2:08 1:50 1:36

099° at 2000 or D4.6 MAK, whichever is earlier, RT (MAX 185KT) direct MAK climb 3200

	10	Cat 1 DME	LOC DME				Circling
C	ft - m/km ft	320 - 1.0 1830 <sup>1)</sup>	380 - 1.3 1890				Not published
D	ft - m/km ft	330 - 1.1 1840 <sup>2)</sup>	380 - 1.3 1890				Not published

<sup>1)</sup> With EVS 650m  
<sup>2)</sup> With EVS 750m

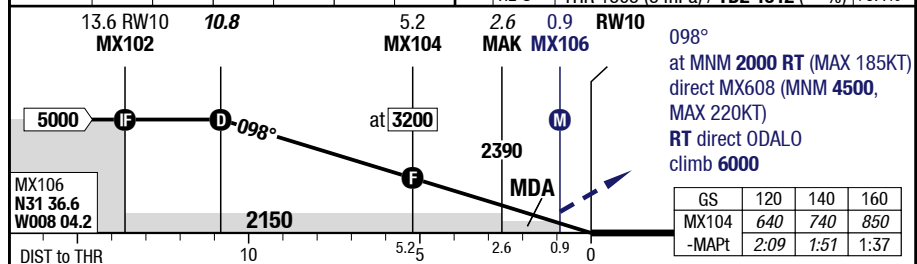
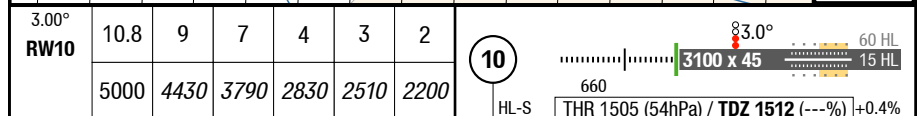
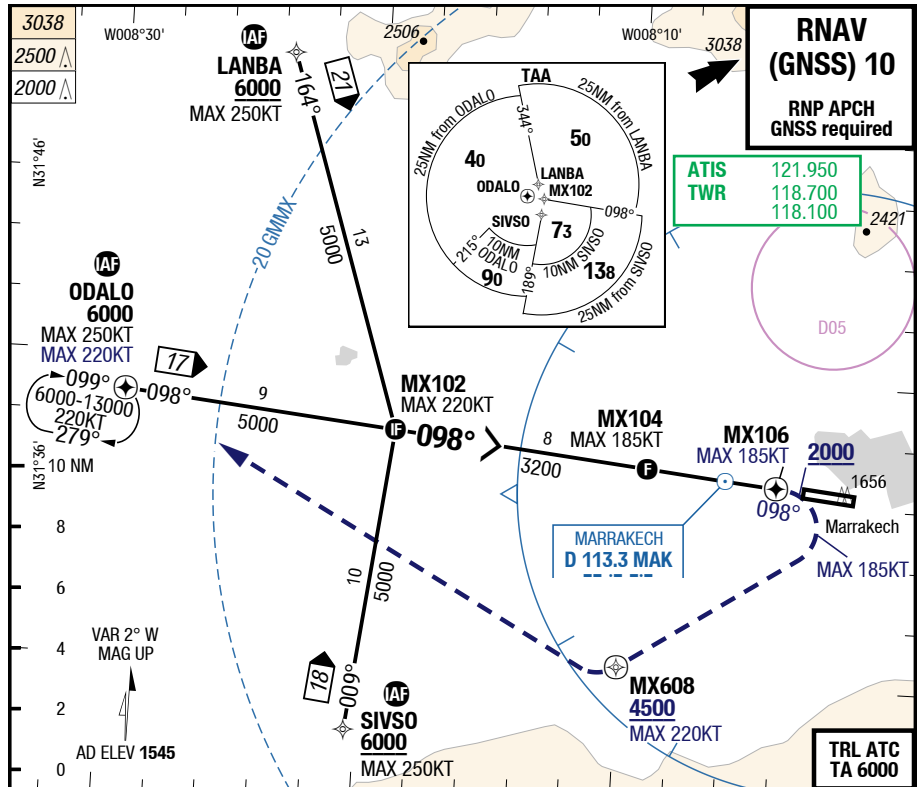


31-MAY-2018

RAK-GMMX

7-30

RNAV (GNSS) 10



10	RNAV GNSS					Circling
C	ft - m/km ft	380 - 1.3 1890				Not published
D	ft - m/km ft	380 - 1.3 1890				Not published

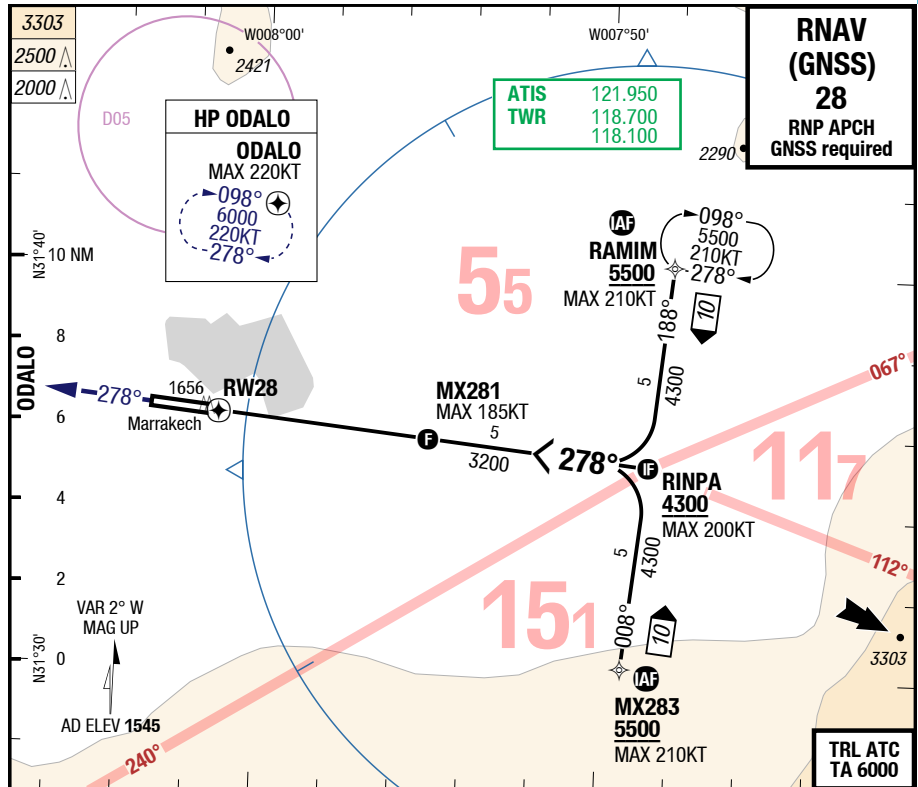
Changes: FREQ, OBST

31-MAY-2018

RAK-GMMX

7-40

RNAV (GNSS) 28

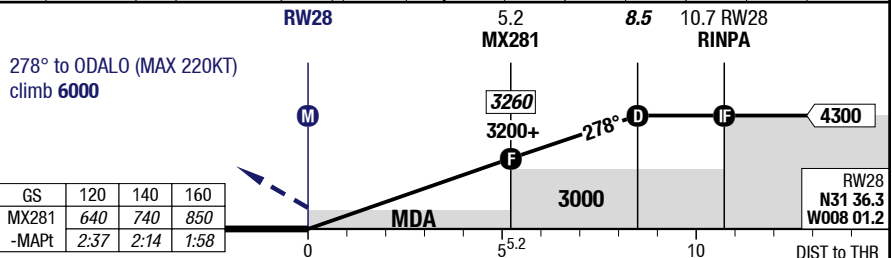


60 HL  
15 HL  
45 x 3100  
3.0°

-0.4% TDZ 1542 (---%) / THR 1545 (55hPa)

28

2	3	4	5	6	8.5	3.00°
2240	2560	2870	3190	3510	4300	RW28



28	RNAV GNSS					Circling
C	ft - m/km ft	450 - 2.1 1990				Not published
D	ft - m/km ft	450 - 2.1 1990				Not published

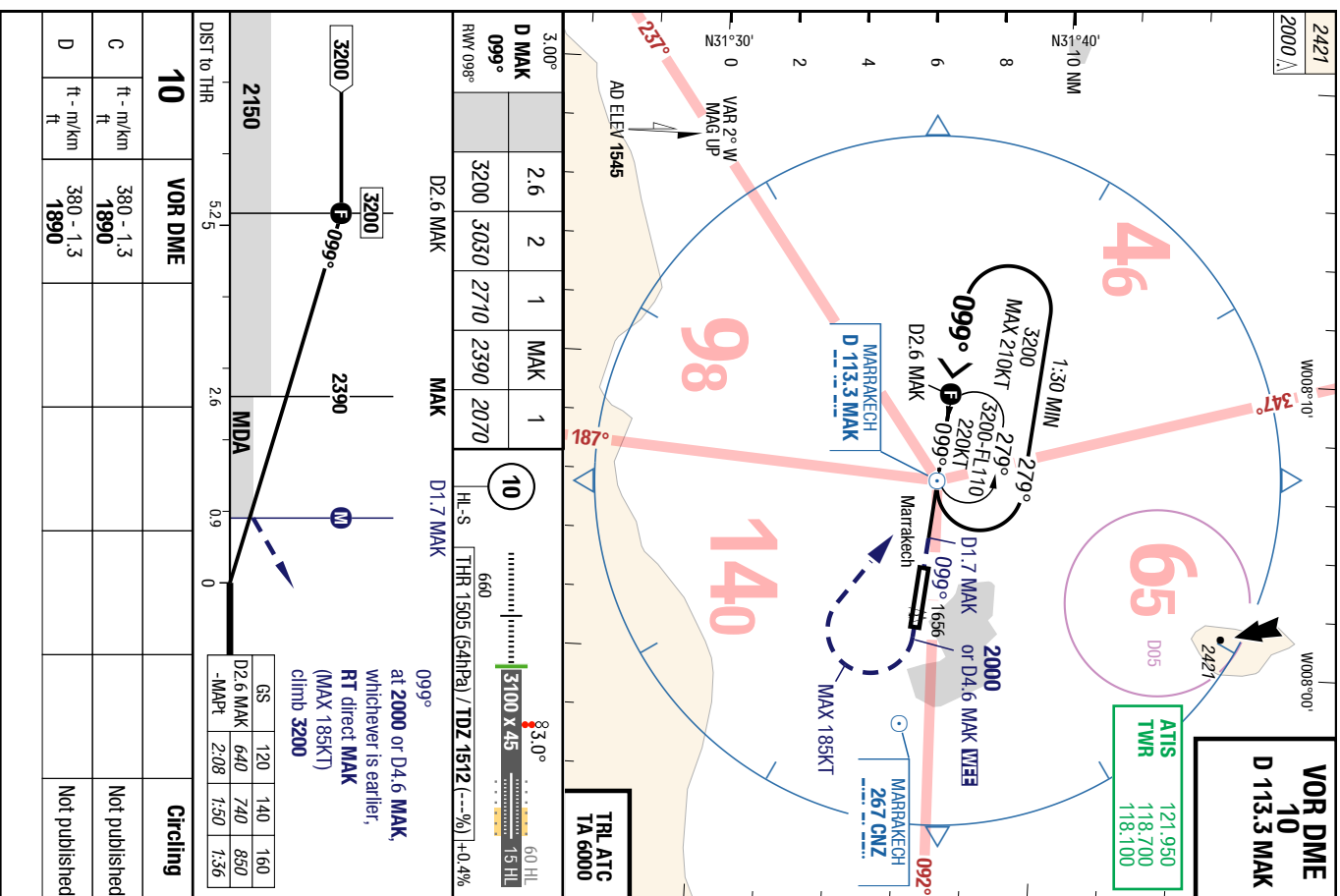
Changes: FREQ, WPT RAMIM, OBST



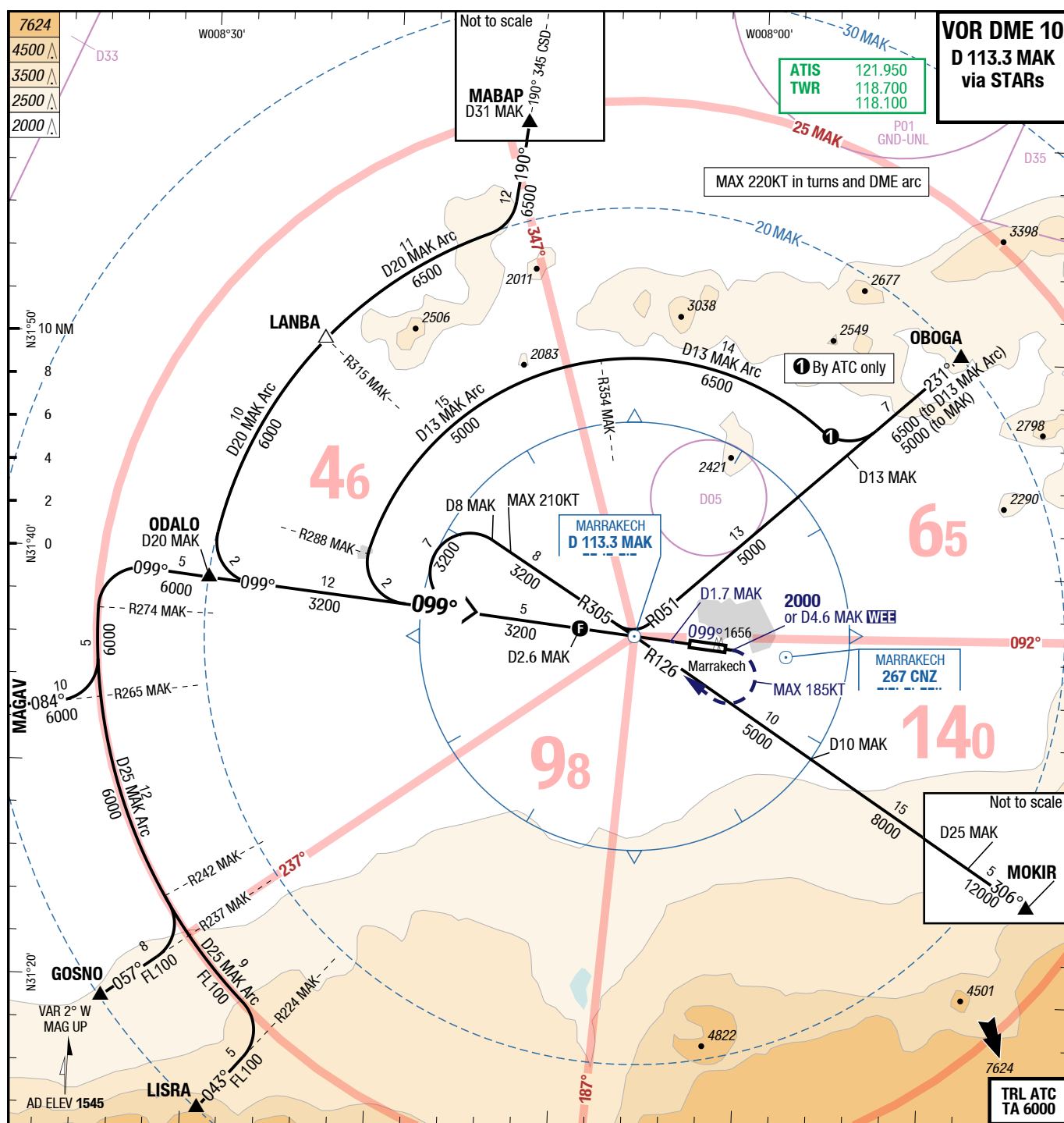
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Menara Intl **Marrakech** Morocco

# VOR DME 10



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**3.00°**  
**D MAK**  
**099°**  
RWY 098°

	2.6	2	1	MAK	1
	3200	3200	2710	2390	2070

(10)  
HL-S

THR 1505 (54hPa) / **TDZ 1512** (---%) +0.4%

D8 MAK      D2.6      MAK      D1.7 MAK

099°  
at **2000** or **D4.6 MAK**,  
whichever is earlier,  
**RT** (MAX 185KT) direct **MAK**  
climb **3200**

GS	120	140	160
D2.6 MAK	640	740	850
-MAPt	2:08	1:50	1:36

DIST to THR      10      5.25      2.6      0.9      0

**10**      **VOR DME**                               **Circling**

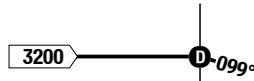
C	ft - m/km ft	380 - 1.3 <b>1890</b>				Not published
D	ft - m/km ft	380 - 1.3 <b>1890</b>				Not published

## VOR 10



<b>ATIS</b>	121.950
<b>TWR</b>	118.700
	118.100

3.00°  
D MAK  
099°  
RWY 098°



GS	120	140	160
MAK	640	740	850
-MAPt	0:51	0:44	0:38

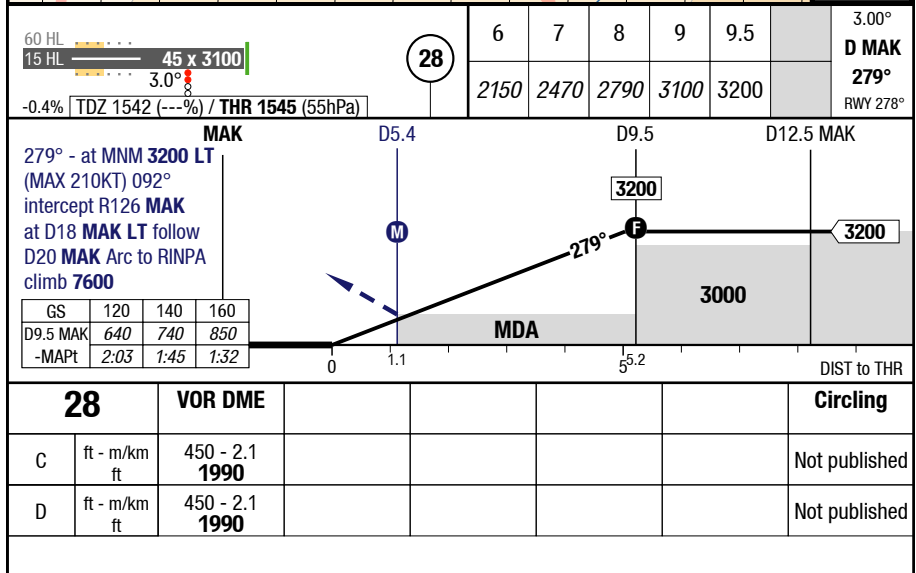
10		VOR					Circling
C	ft - m/km ft	430 - 1.6 <b>1940</b>					Not published
D	ft - m/km ft	430 - 1.6 <b>1940</b>					Not published

**VOR Z 28**



28		VOR DME					Circling
C	ft - m/km ft	450 - 2.1 1990					Not published
D	ft - m/km ft	450 - 2.1 1990					Not published

**VOR Y 28**



## RAK-GMMX

### Circling 28 with prescribed tracks Initial



Changes: FREQ, OBST

### Circling 28 with prescribed tracks Final



ATIS	121.950
TWR	118.700
	118.100

MARRAKECH  
D 113.3 MAK  
-- .- -.-

MARRAKECH  
267 CNZ  
-.-. -.-. -.-.

TRL ATC  
TA 6000

60 HL ————  
15 HL ———— 45 x 3100  
3.0°

-0.4% TDZ 1542 (---%) / **THR 1545** (55hPa)

28

## VISUAL

<b>28</b>						<b>Circling P-TRK</b>	<b>Circling</b>
C	ft - m/km ft					880 - 2.4V <b>2420</b>	Not published
D	ft - m/km ft					880 - 3.6V <b>2420</b>	Not published