

**RAK-GMMX**

**1-10**

**AOI**

**AOI**

**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	-

**RAK-GMMX**

**1-20**

**AOI**

**AOI**

**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 MMN 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

Morocco **Marrakech** Menara Intl

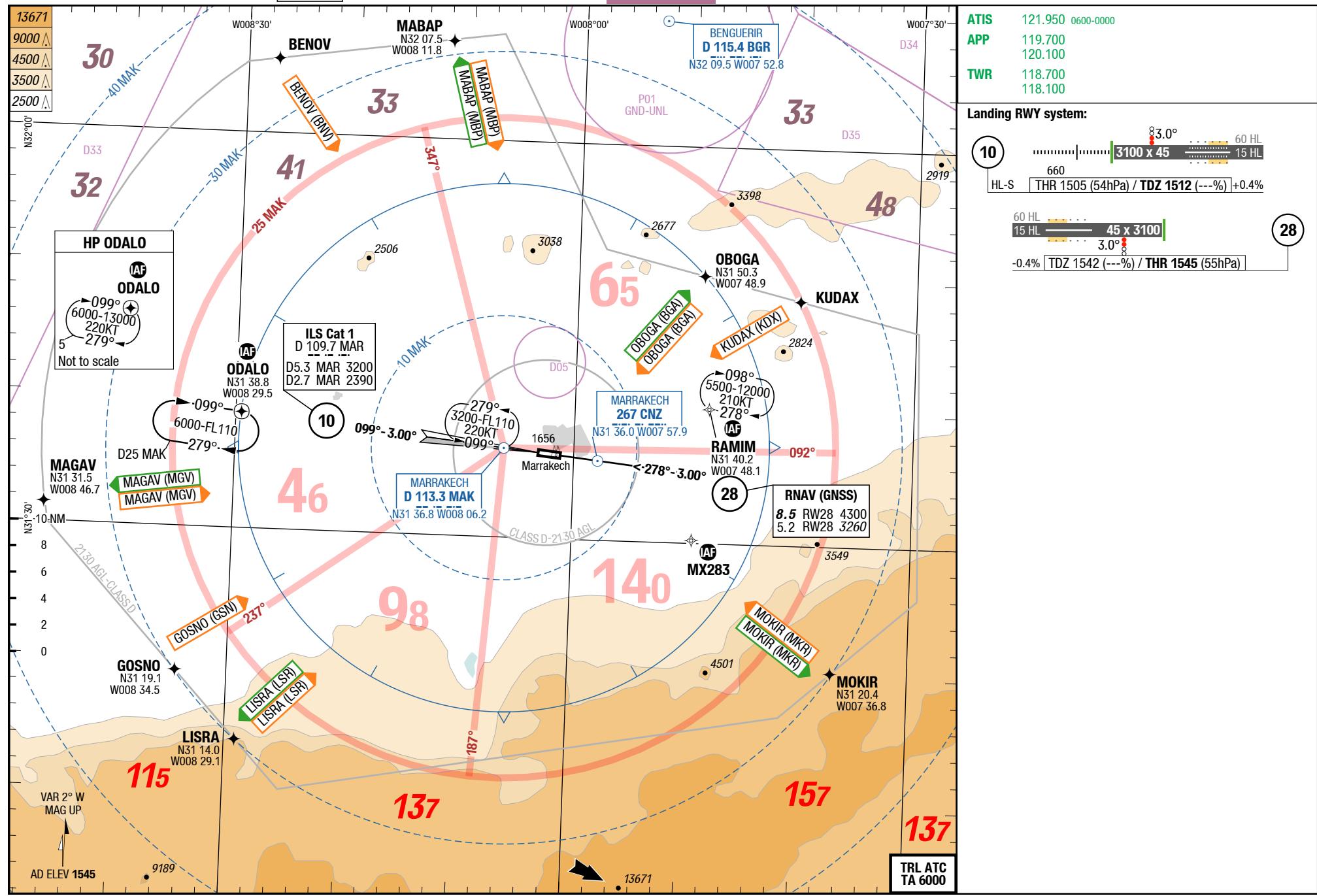
AGC  
AFC

Menara Intl **Marrakech** Morocco

AF

RAK-GMMX

2-10



31-MAY-2018

## Morocco Marrakech Menara Intl

RAK-GMMX

3-20

AGC

AGC

Menara Intl Marrakech Morocco

AGC

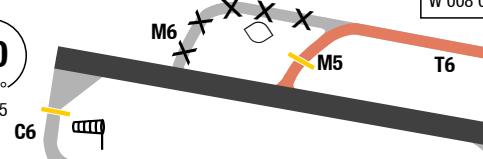
W008° 03'

W008° 02'

ATIS  
TWR121.950 0600-0000  
118.700  
118.100

RWY	TORA	ASDA	TODA
10	3100	3160	3290
28	3100	3100	3235

N31° 36.5'

**10**098°  
1505ARP  
N 31 36.5  
W 008 02.5

⊕

L6

T6

M4

T5

M3

3100 x 45

T4

M2

T1

M1

T2

L2

T3

L3

L4

L5

L6

T6

M6

T7

M5

T6

31-MAY-2018

RAK-GMMX

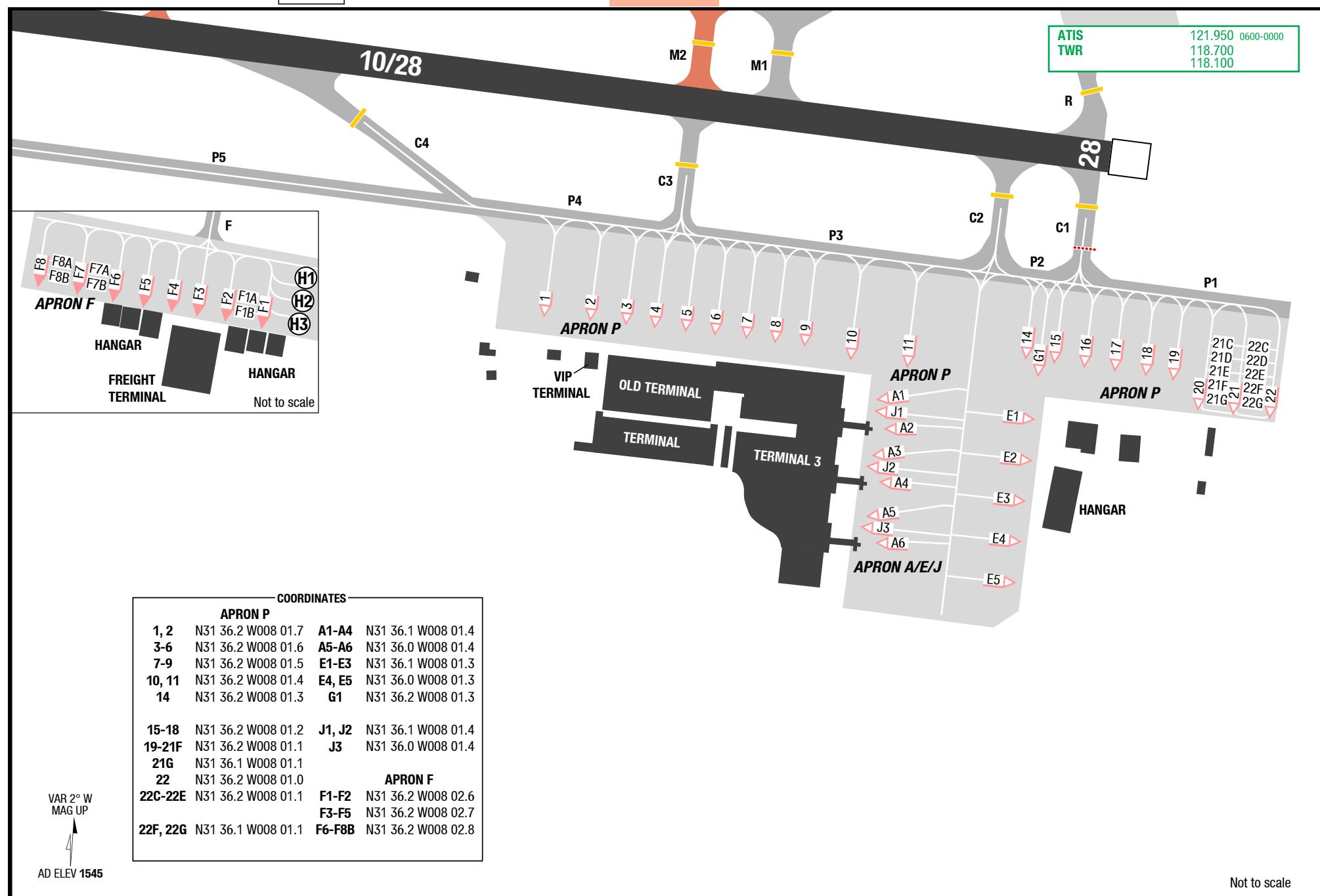
Morocco Marrakech Menara Intl

APC  
NIL  
APC

Menara Intl Marrakech Morocco

APC  
NIL  
APC

3-30

ATIS  
TWR  
121.950 0600-0000  
118.700  
118.100

Changes: FREQ

31-MAY-2018

RAK-GMMX

## Morocco Marrakech Menara Intl

SIDs RWY 28

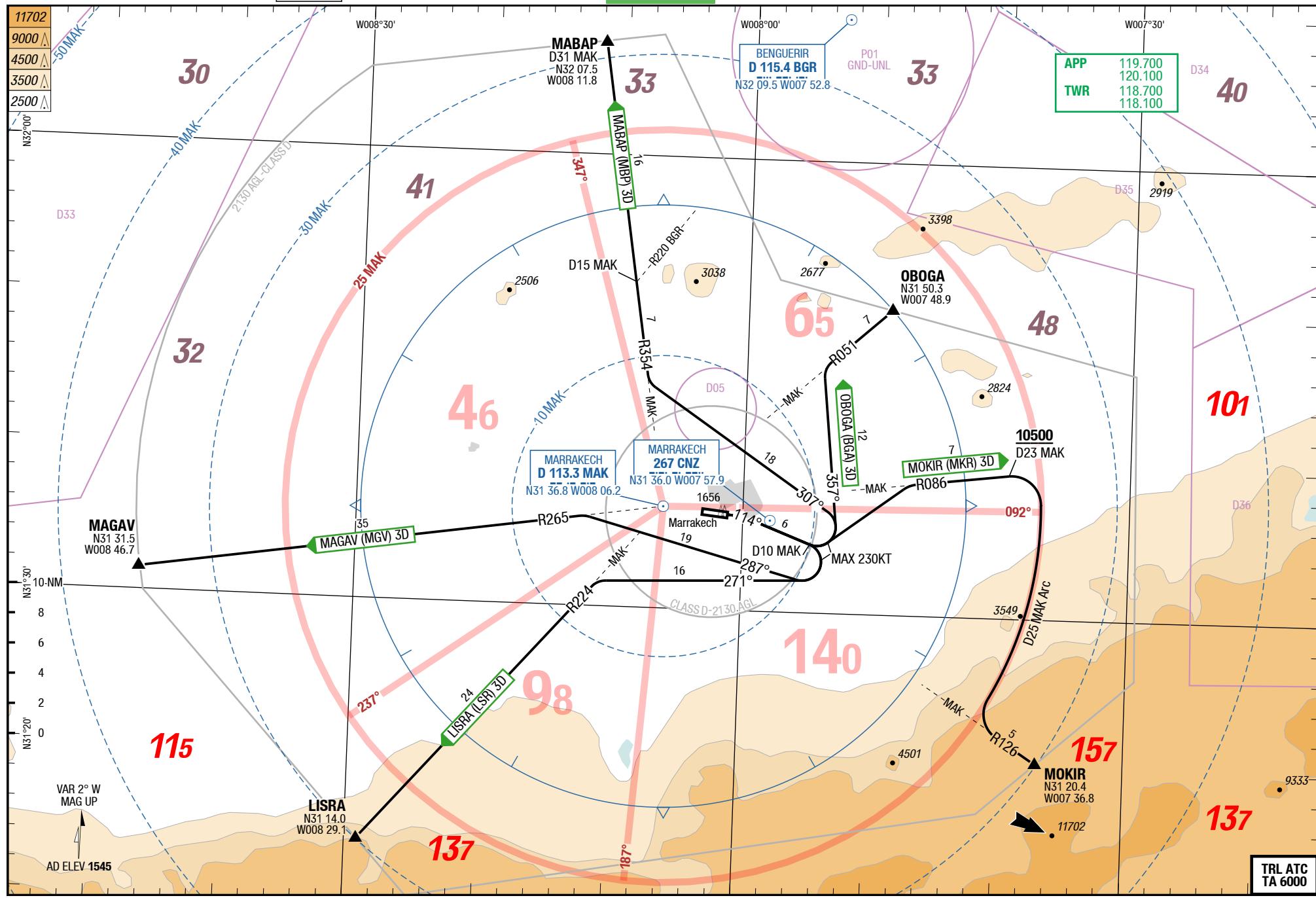
4-10

SIDs RWY 10

## Menara Intl Marrakech Morocco

SIDs RWY 28

SIDs RWY 10



Changes: OBST

31-MAY-2018

## Morocco Marrakech Menara Intl

RAK-GMMX

4-20

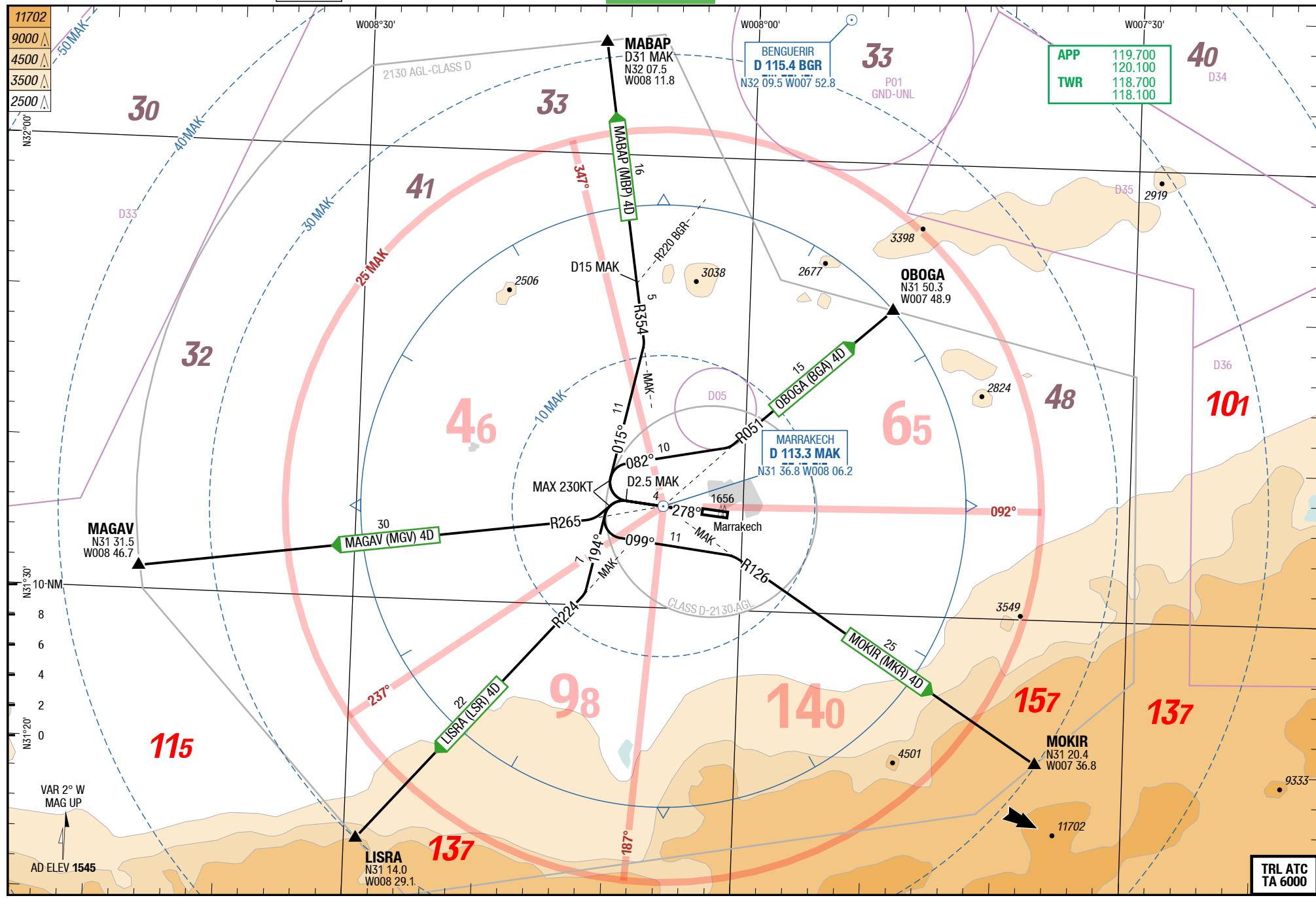
SIDs RWY 28

SID

SID

## Menara Intl Marrakech Morocco

SIDs RWY 28



## RAK-GMMX

5-10

SIDs RWY 10

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
	Runway 10	
LISRA 3D LSR 3D 7.0% to D10 MAK 5.0% <b>119.700</b> ①	114° - at D10 <b>MAK RT</b> 271° (MAX 230KT) - intercept R224 <b>MAK</b> to LISRA	
MABAP 3D MBP 3D 7.0% to D10 MAK 4.0% <b>119.700</b> ①	114° - at D10 <b>MAK LT</b> 307° (MAX 230KT) - intercept R354 <b>MAK</b> to MABAP	
MAGAV 3D MGV 3D 7.0% to D10 MAK 4.0% <b>119.700</b> ①	114° - at D10 <b>MAK RT</b> 287° (MAX 230KT) - intercept R265 <b>MAK</b> to MAGAV	
MOKIR 3D MKR 3D 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> MNМ 10500
OBOGA 3D BGA 3D 7.0% to D10 MAK 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.

## RAK-GMMX

5-20

SIDs RWY 28

SIDPT

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
	Runway 28	
<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.

31-MAY-2018

Morocco **Marrakech** Menara Intl

RNAV STARs RWY 28

Menara Intl Marrakech Morocco

**RNAV STARS RWY 28**

RAK-GMMX

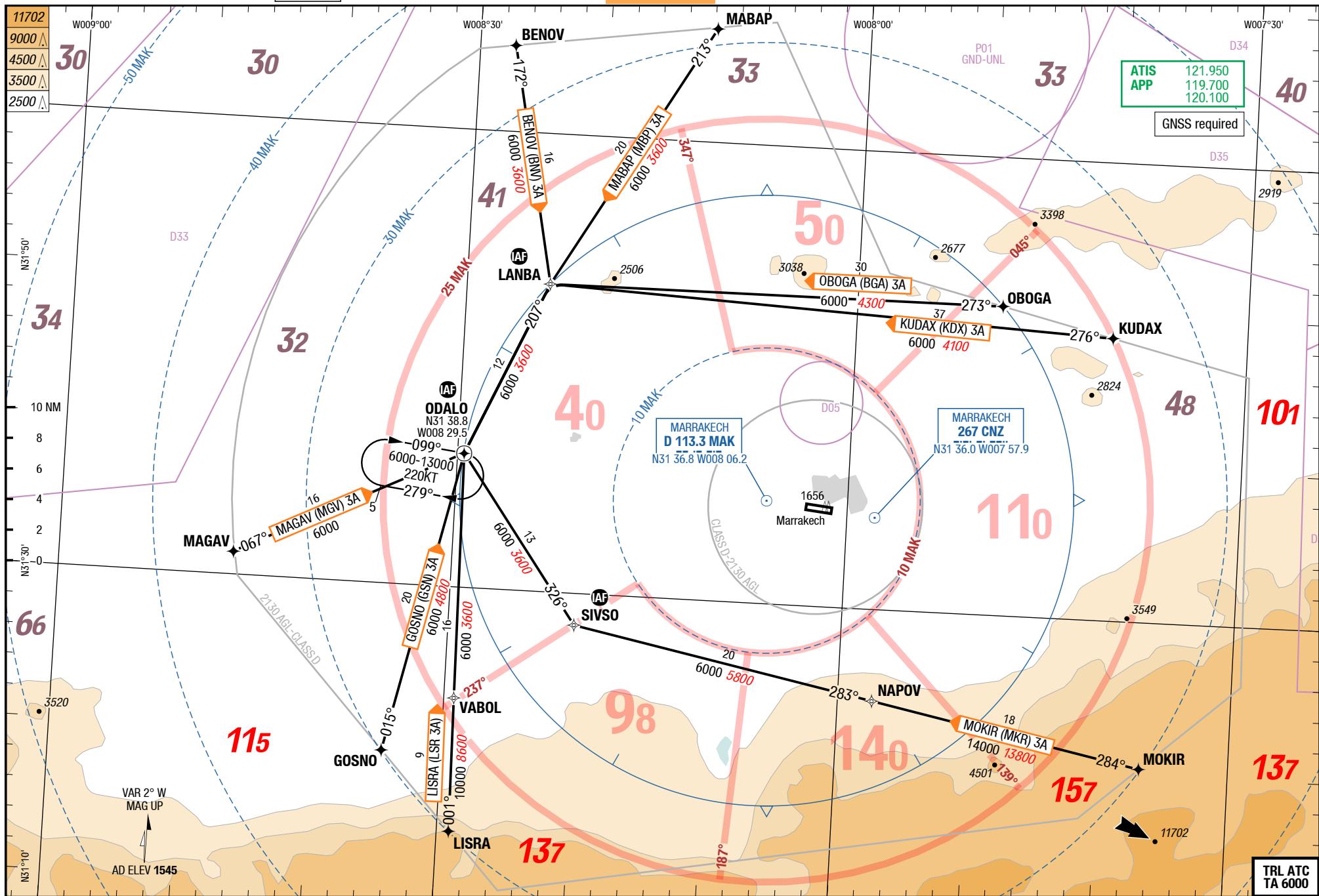
6-10

## **RNAV STARs RWY 10**

STAR

STAR

**RNAV STARs RWY 10**



## Changes: FREQ, OBST

31-MAY-2018

Morocco Marrakech Menara Intl

RAK-GMMX

6-20

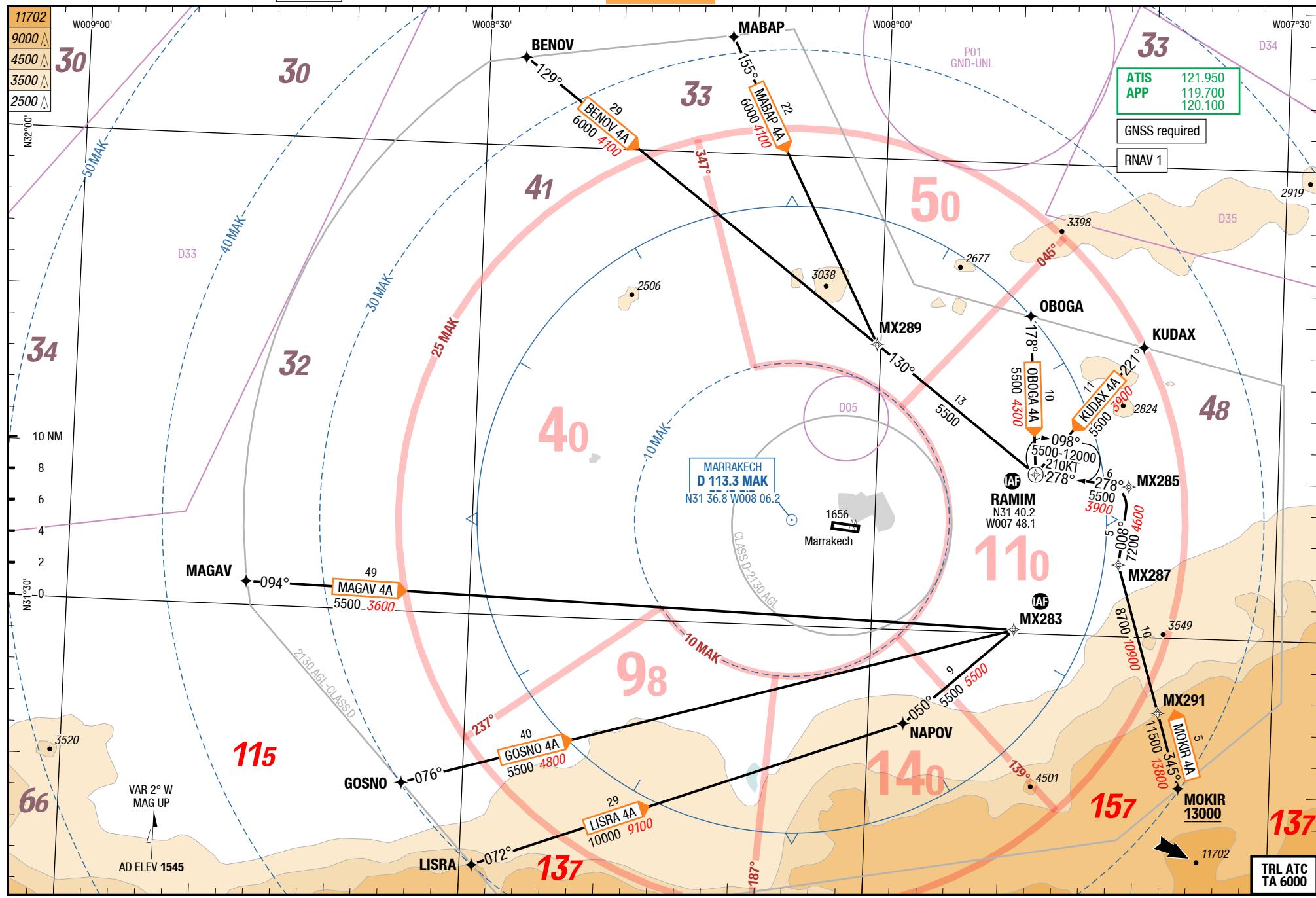
RNAV STARs RWY 28

STAR

STAR

Menara Intl Marrakech Morocco

RNAV STARs RWY 28



31-MAY-2018

RAK-GMMX

**Morocco Marrakech Menara Intl**

Menara Intl **Marrakech** Morocco

6-30

STARS

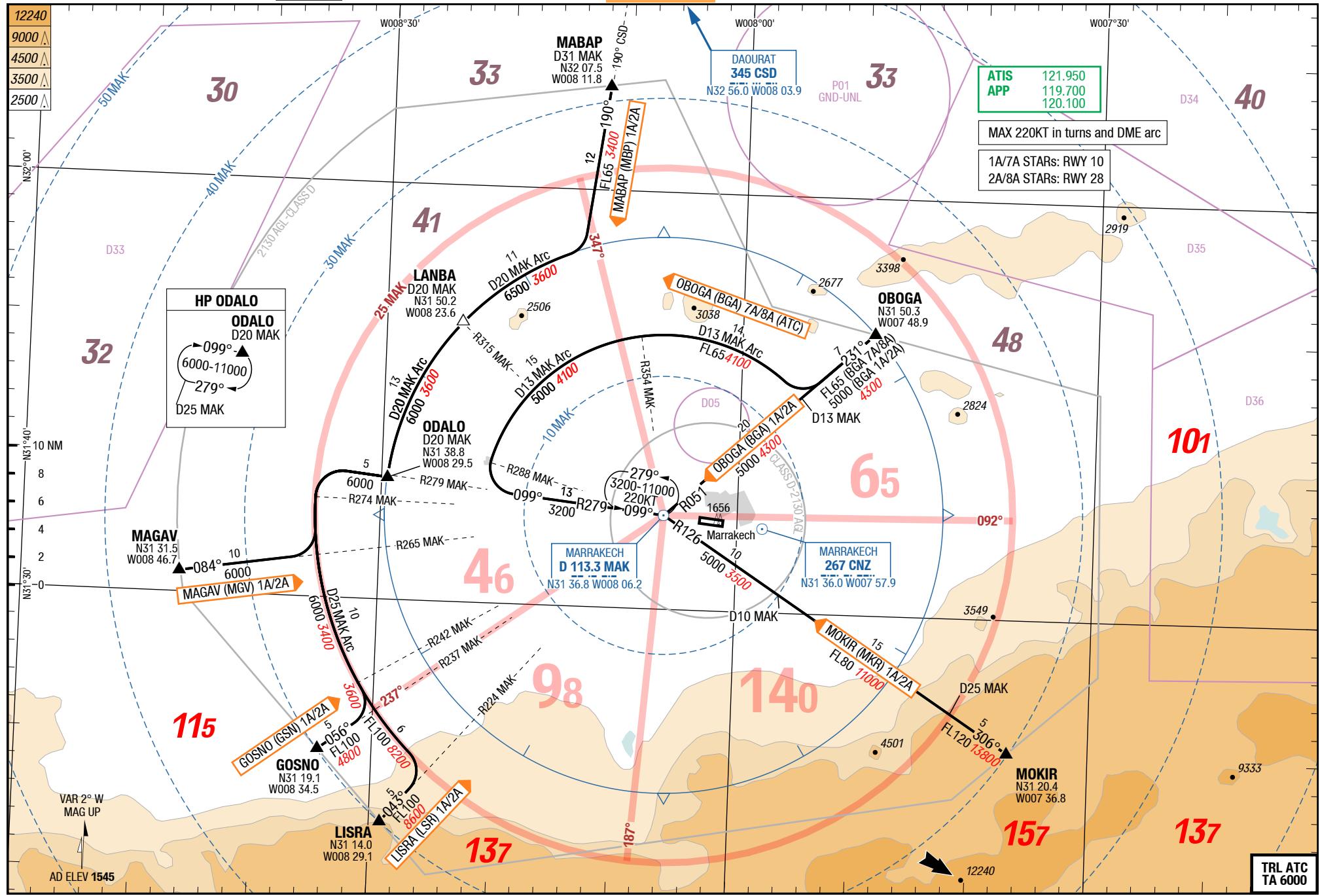
SIAR

STAR

# Menara Intl Marrakech Morocco

**NIL**

## STARs



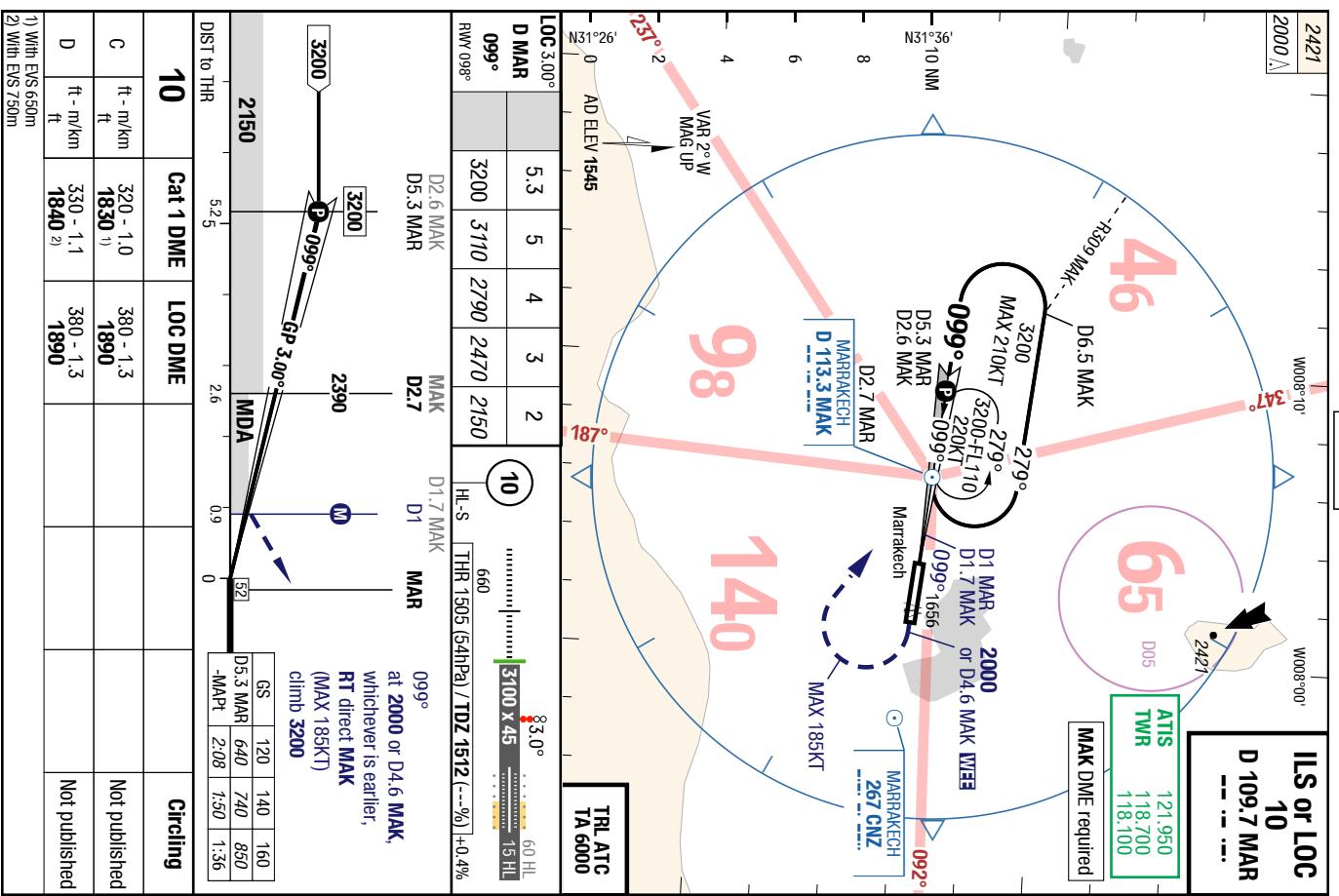
31-MAY-2018

RAK-GMMX

**akech Menara Int'l**  
**ILS or LOC 10 via STARS**

IAC

**ILS or LOC 10 via STARS**



		2150		DIST to THR
		MDA		5.25
		52		2.6
		0.9	0	
		-MAPT	0	
		D5.3 MAR	2.08	1.50 / 1.56
		GS	120	140 / 160
		640	740	850
<b>10</b>	<b>Cat 1 DME</b>	<b>LOC DME</b>		<b>Circling</b>
C	ft - mi/km	320 - 1.0 1830 <sub>1)</sub>	380 - 1.3 1890	Not published
D	ft - mi/km	330 - 1.1 1840 <sub>2)</sub>	380 - 1.3 1890	Not published

1) With EVS 650m  
2) With EVS 750m

## Changes: FREQ, OBST

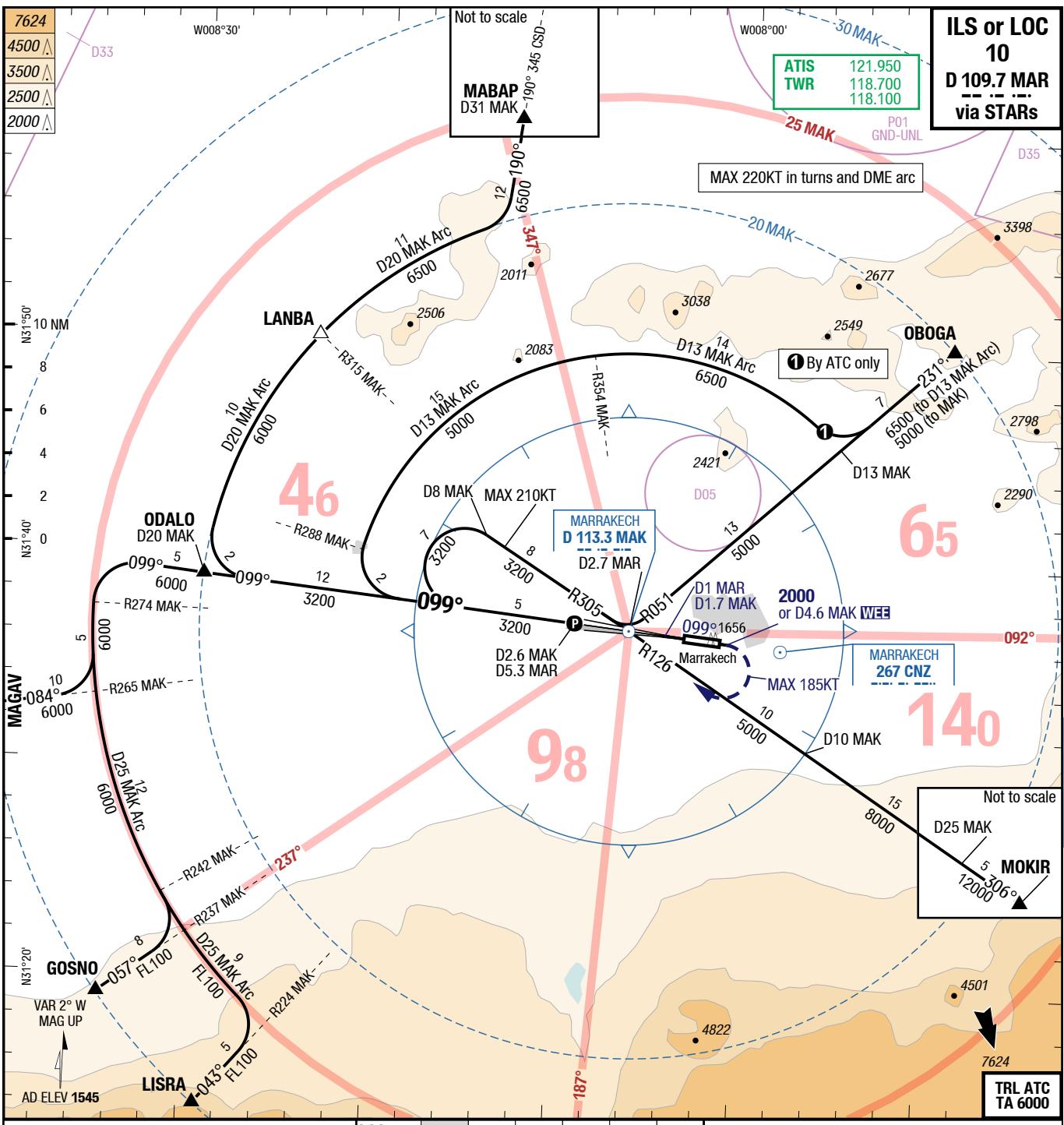
31-MAY-2018

## Morocco Marrakech Menara Intl

RAK-GMMX

7-20

ILS or LOC 10 via STARS

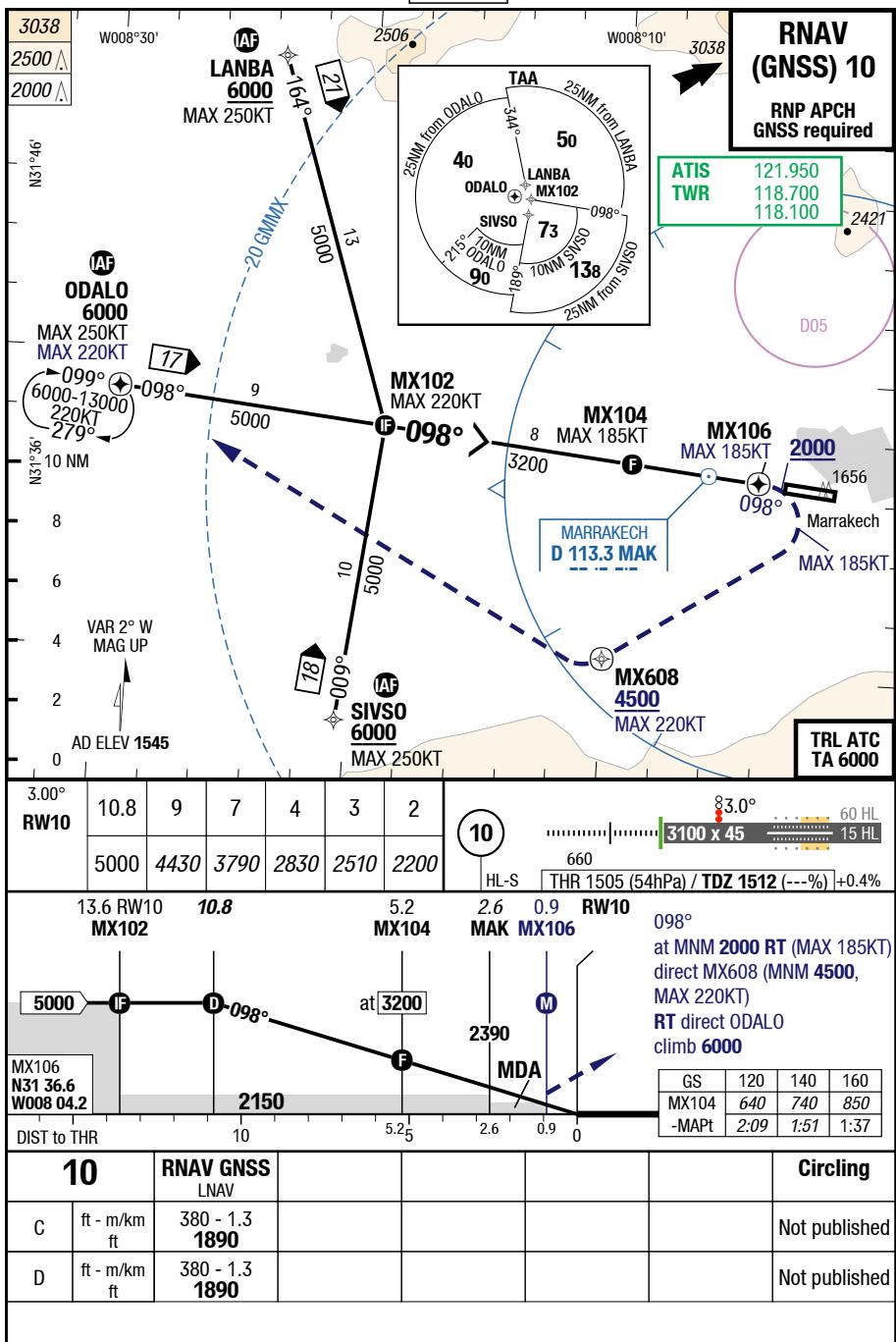
IAC  
IACILS or LOC 10 via STARS  
Menara Intl Marrakech Morocco

31-MAY-2018

RAK-GMMX

7-30

RNAV (GNSS) 10



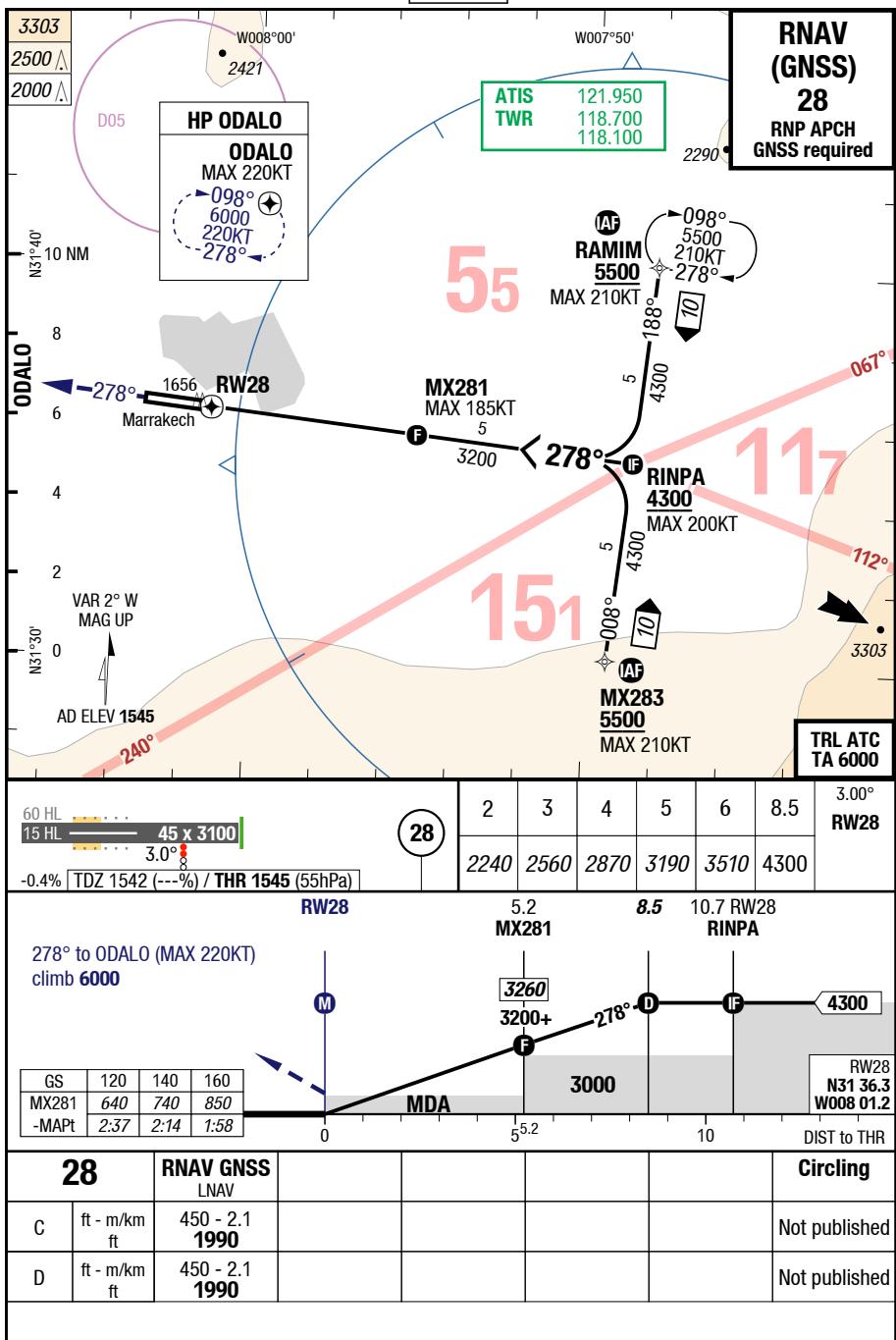
## Changes: FREQ, OBST

31-MAY-2018

RAK-GMMX

7-40

RNAV (GNSS) 28



## Changes: FREQ, WPT RAMIM, OBST

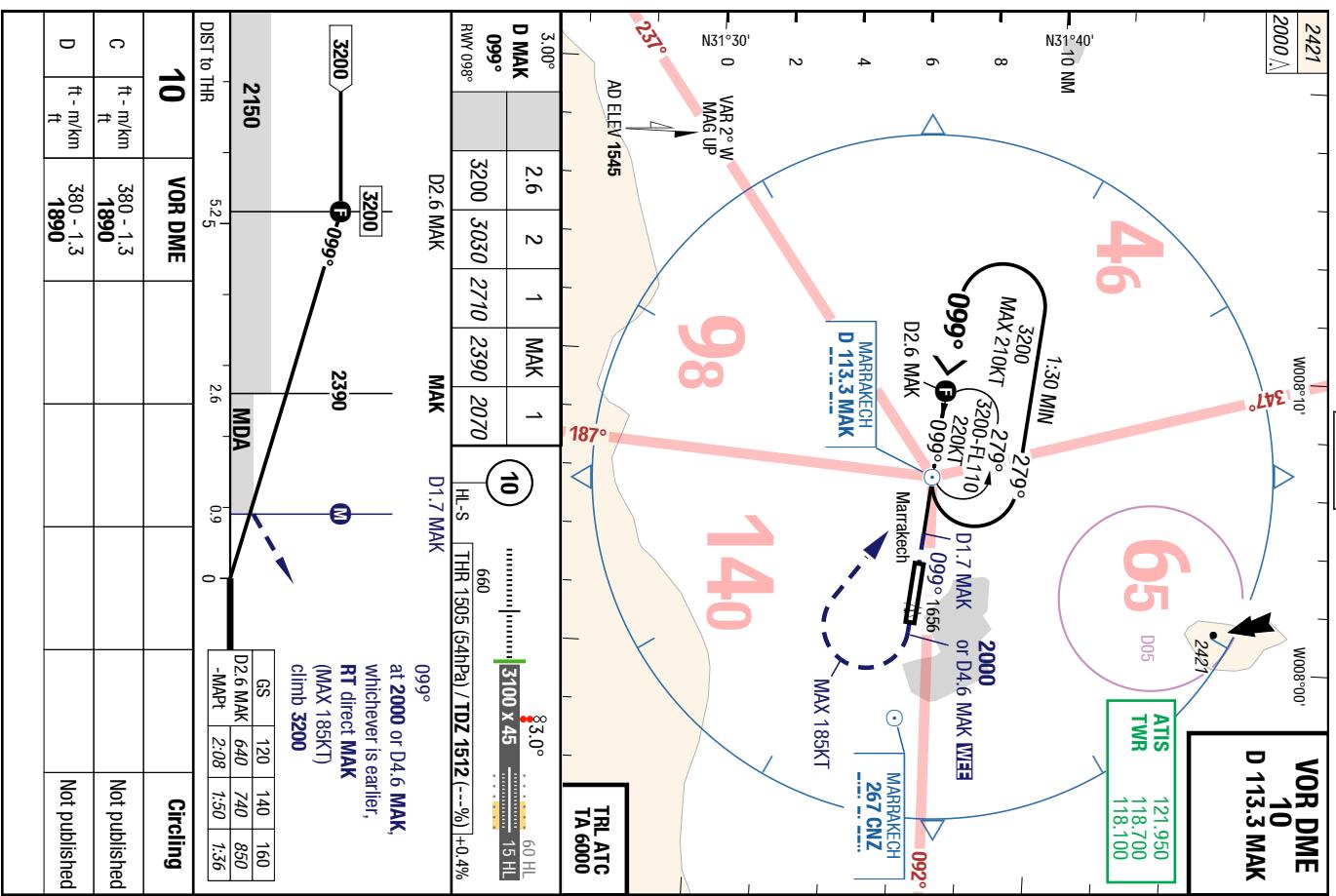
31-MAY-2018

RAK-GMMX

**VOR DME 10 via STARS**

IAC

**VOR DME 10 via STARS**



### Changes: FREQ, OBST

31-MAY-2018

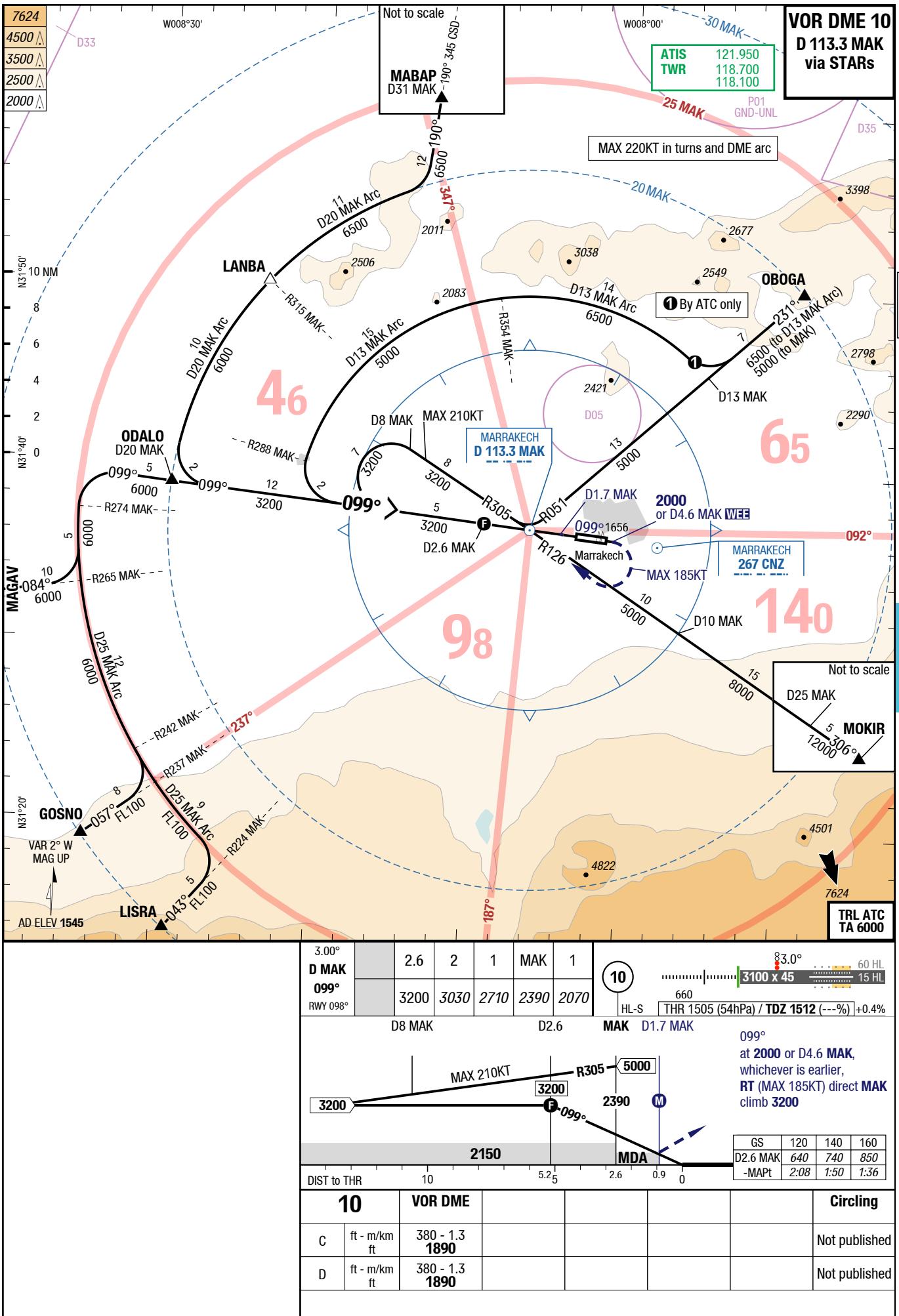
RAK-GMMX

Morocco Marrakech Menara Intl

VOR DME 10 via STARS

IAC

**VOR DME 10 via STARS**  
Menara Int'l Marrakech Morocco

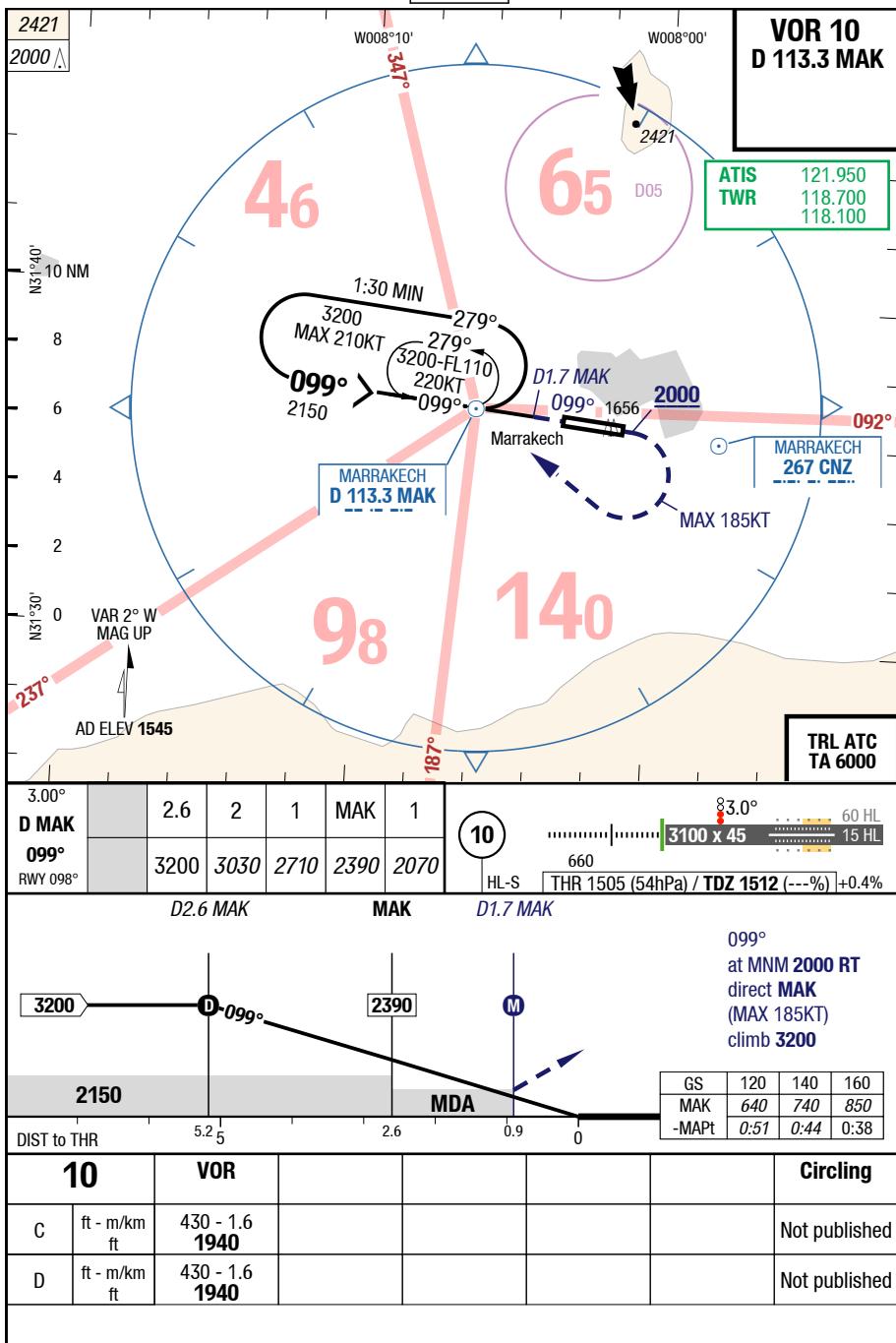


31-MAY-2018

## RAK-GMMX

7-70

VOR 10



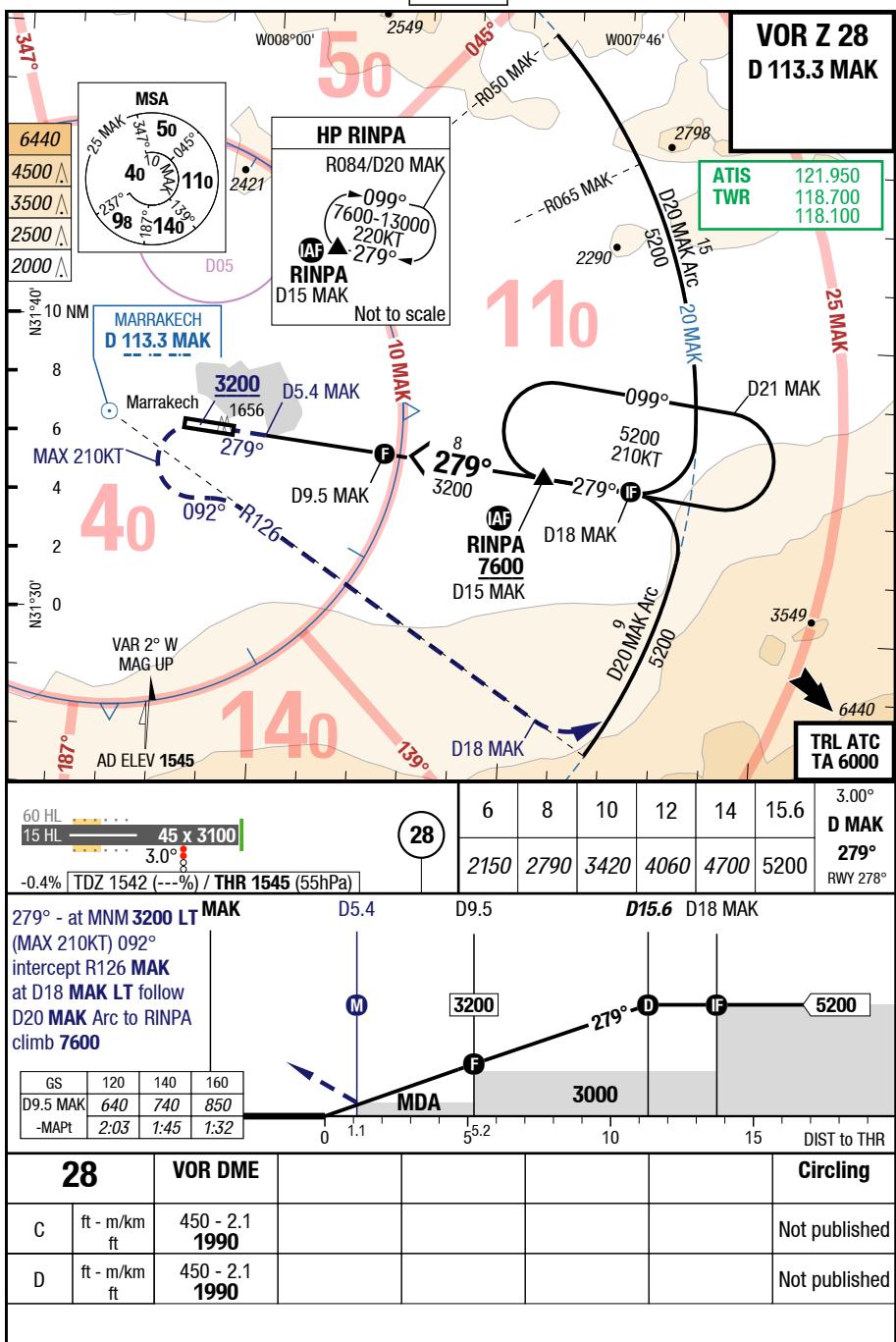
31-MAY-2018

## RAK-GMMX

7-80

IAC

VOR Z 28



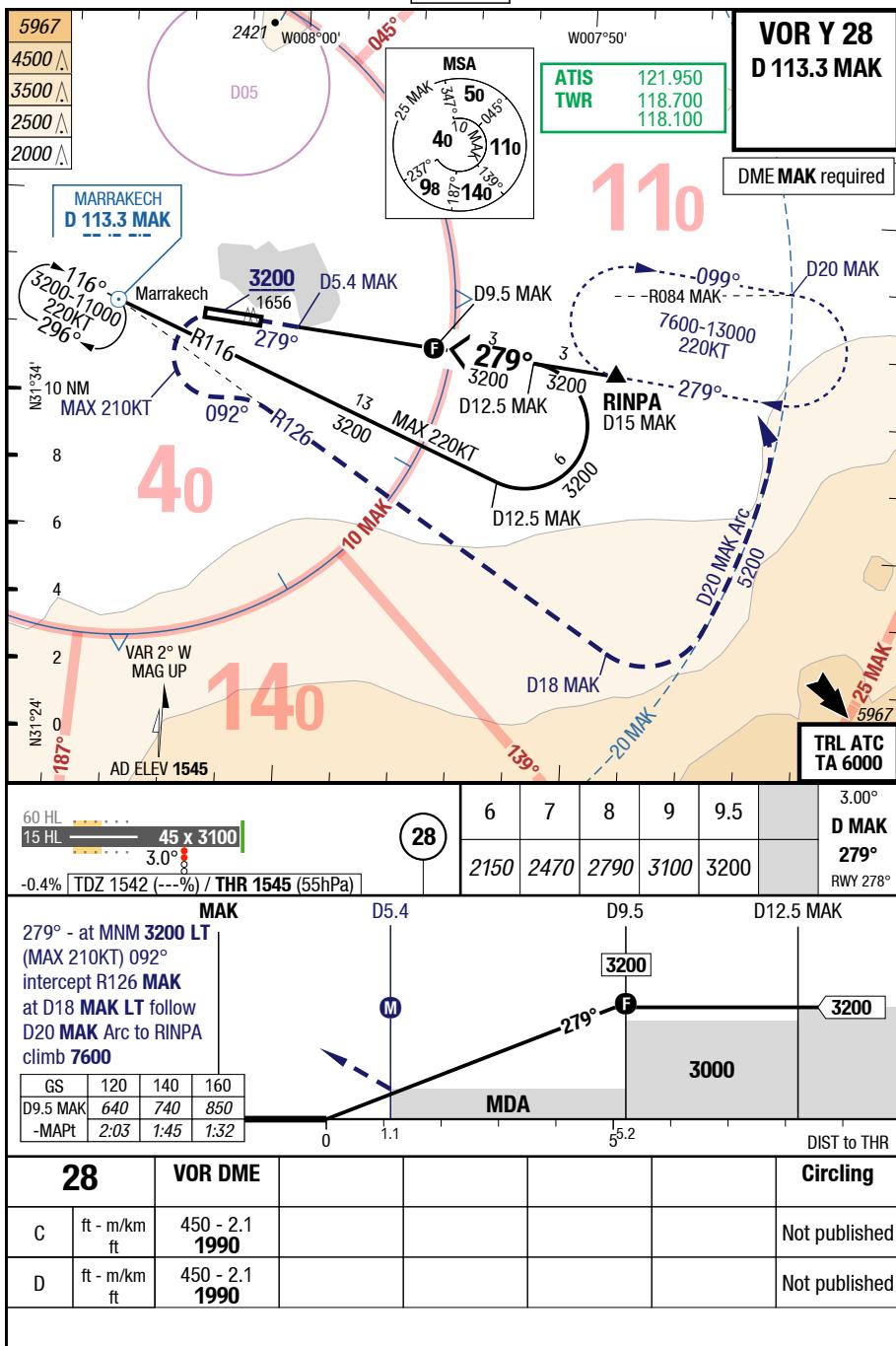
Changes: FREQ, OBST

31-MAY-2018

## RAK-GMMX

7-90

VOR Y 28



Changes: FREQ, OBST

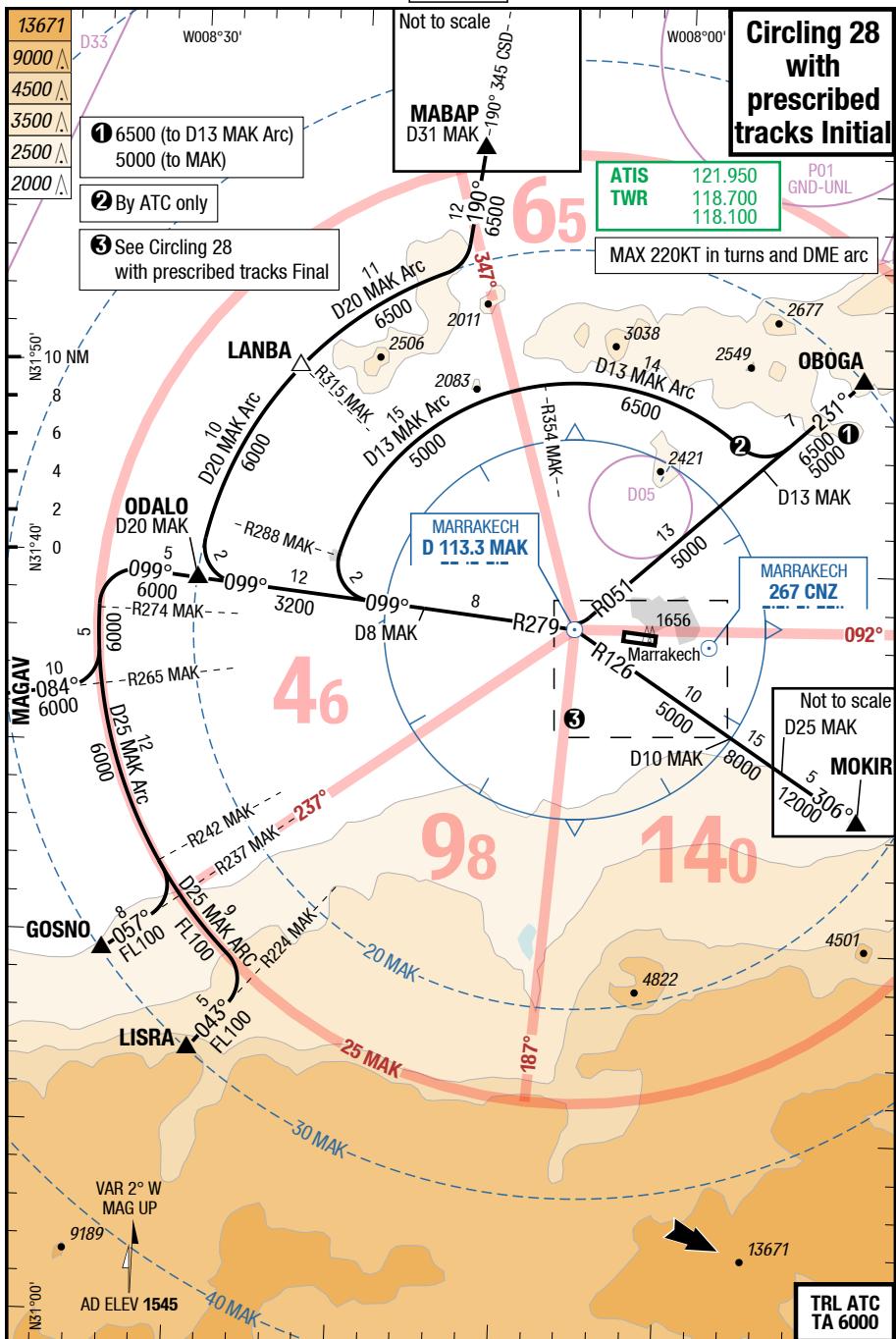
31-MAY-2018

## RAK-GMMX

7-100

Circling 28 with prescribed tracks Initial

IAC



Changes: FREQ, OBST

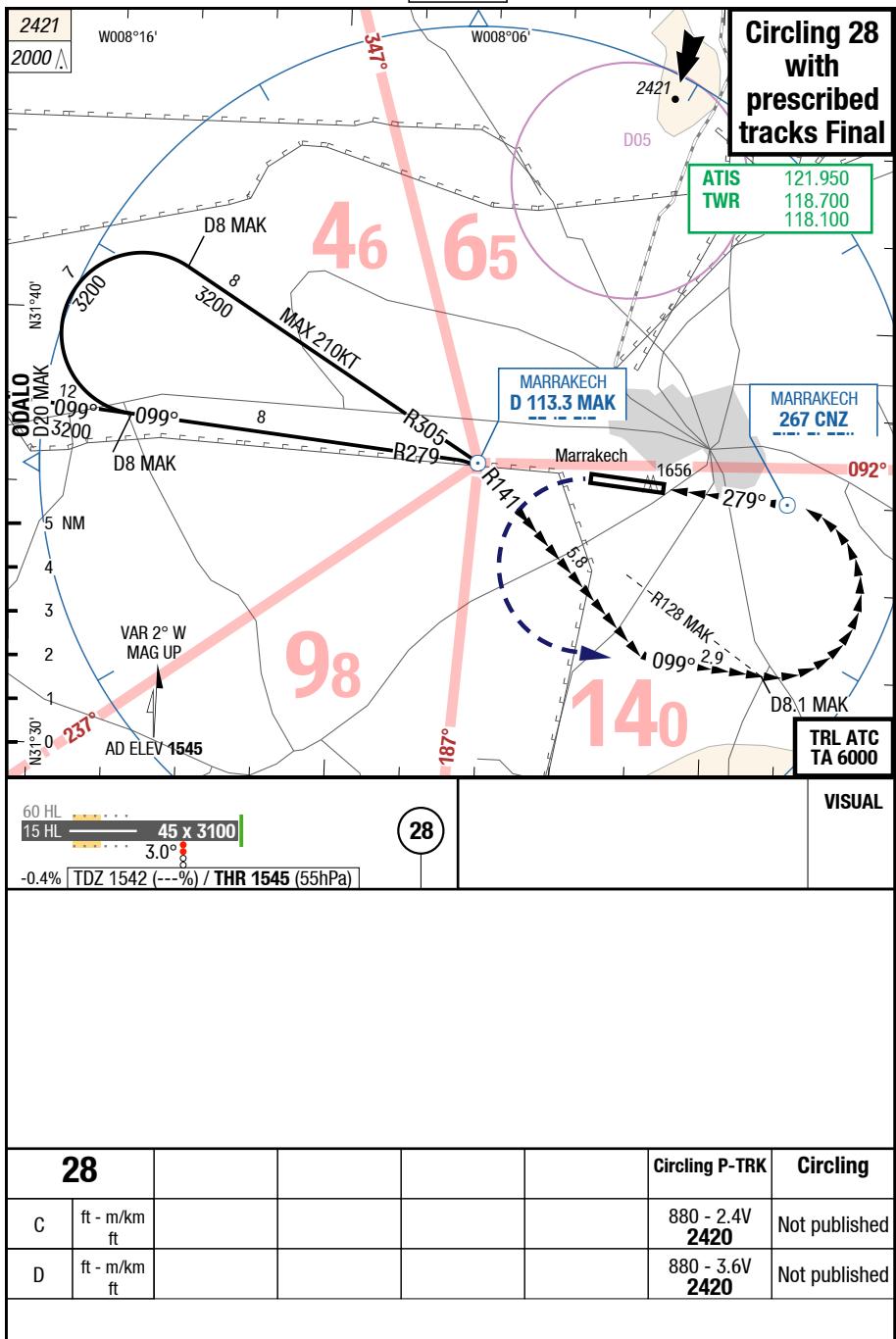
31-MAY-2018

## RAK-GMMX

7-110

Circling 28 with prescribed tracks Final

IAC



Changes: FREQ, OBST