

**TMA**

**JEPPesen**

26 NOV 10

10-1B

# CIUDAD OBREGON, MEXICO

CIUDAD OBREGON INTL

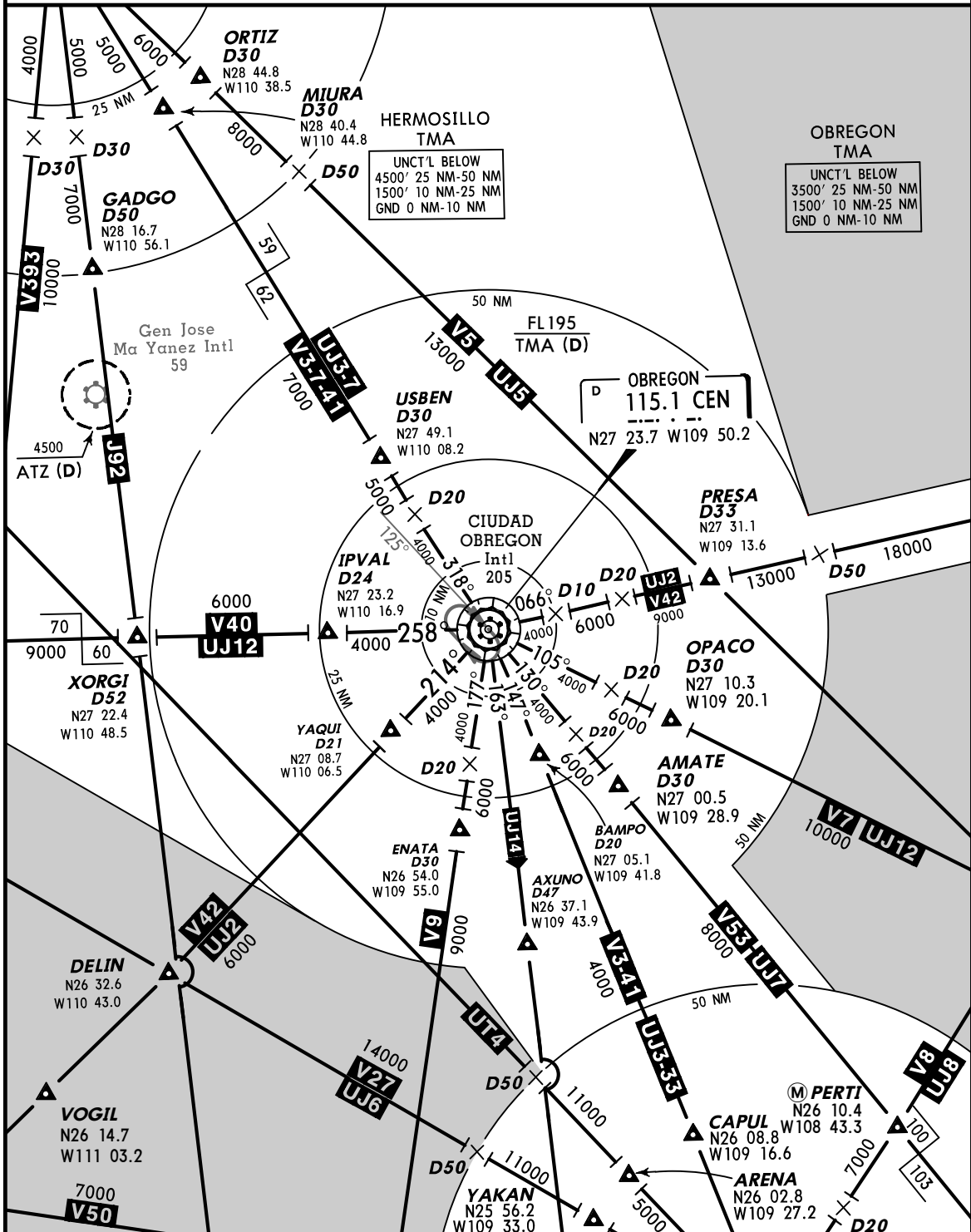
\*ATIS  
 127.6

\*OBREGON Approach  
 118.3

## **SPEED RESTRICTIONS WITHIN MEXICO AIRSPACE**

*Maximum IAS unless otherwise depicted or authorized by ATC*

At or below 3000' AGL within 10NM of any airport.....	200 KTS
At or below 10000' MSL within Mexico airspace.....	250 KTS
At or below 10000' AGL within 30NM of any airport.....	250 KTS
<b>WITHIN HERMOSILLO TMA</b>	
At or below 4000' MSL of Gen Ignacio Pesqueira Garcia Intl Apt and within 10NM of HMO VORDME.....	200 KTS
At or below 11000' MSL within 30NM of HMO VORDME.....	250 KTS
<b>WITHIN OBREGON TMA</b>	
At or below 3200' MSL of Obregon Intl Apt and within 10NM of CEN VOR.....	200 KTS
At or below 10200' MSL within 30NM of CEN VOR.....	250 KTS



Changes: Guaymas NDB decmsnd. Airways realigned. TMA limits changed.

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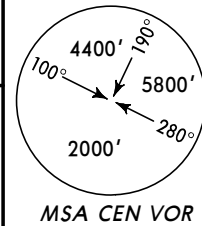
**MMCN/CEN**  
**CIUDAD OBREGON INTL**

**JEPPESEN** **CIUDAD OBREGON, MEXICO**  
29 APR 11 **10-3** Eff 5 May

**SID**

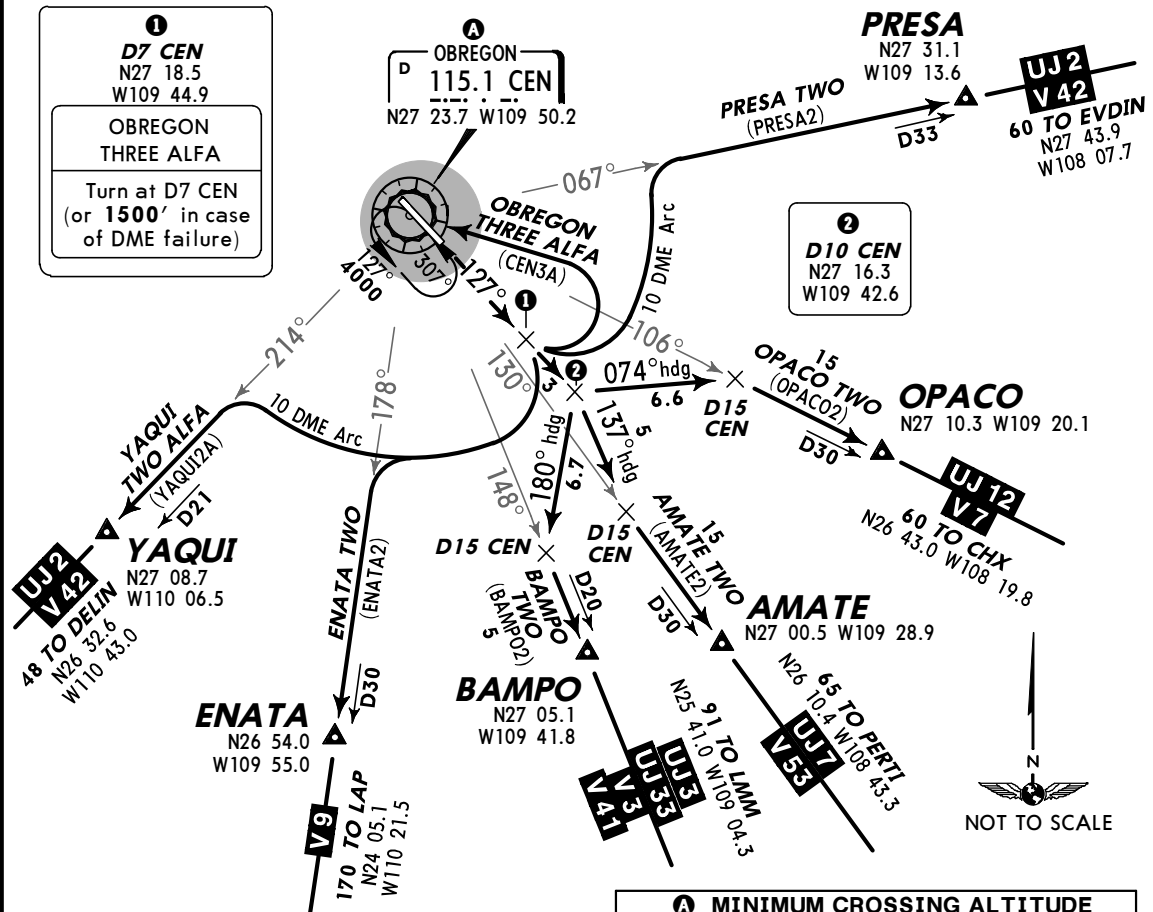
Apt Elev  
**205'**

Trans level: FL195 Trans alt: 18500'



**DEPARTURES RWY 13**

AMATE TWO (AMATE2), BAMPO TWO (BAMPO2), ENATA TWO (ENATA2),  
OBREGON THREE ALFA (CEN3A), OPACO TWO (OPACO2),  
PRESA TWO (PRESA2), YAQUI TWO ALFA (YAQUI2A) [YAQU2A]



These SIDs require a minimum  
climb gradient:  
OPACO TWO and PRESA TWO:  
240' per NM to **5000'**.

Gnd speed-KT	75	100	150	200	250	300
240' per NM	300	400	600	800	1000	1200

**A MINIMUM CROSSING ALTITUDE**

DEL	V-42	UJ-2	5000
CHX	V-7	UJ-12	4100
CUL	V-53	UJ-7	3000
LMM	V-41	UJ-33	3000
LAP	V-9		3000
LTO	V-42	UJ-2	2100
HMO	V-41	UJ-7	4000

SID	INITIAL CLIMB
AMATE TWO	Climb on CEN R-127 to D10 CEN, turn RIGHT and proceed on heading 137° to intercept CEN R-130 to AMATE. Continue on the assigned route or in accordance with ATC instructions.
BAMPO TWO	Climb on CEN R-127 to D10 CEN, turn RIGHT and proceed on heading 180° to intercept CEN R-148 to BAMPO. Continue on the assigned route or in accordance with ATC instructions.
ENATA TWO YAQUI TWO ALFA	Climb on CEN R-127 to D7 CEN, turn RIGHT and proceed on CEN 10 DME Arc to intercept the corresponding radial from CEN to ENATA or YAQUI. Continue on the assigned route or in accordance with ATC instructions.
OBREGON THREE ALFA	Climb on CEN R-127 to D7 CEN (or <b>1500'</b> in case of DME failure). Then teardrop turn to the LEFT within 10 NM to CEN. Depart CEN at the MCA <b>A</b> for the assigned route or in accordance with ATC instructions.
OPACO TWO	Climb on CEN R-127 to D10 CEN, turn LEFT and proceed on heading 074° to intercept CEN R-106 to OPACO. Continue on the assigned route or in accordance with ATC instructions.
PRESA TWO	Climb on CEN R-127 to D7 CEN, turn LEFT and proceed on CEN 10 DME Arc to intercept CEN R-067 to PRESA. Continue on the assigned route or in accordance with ATC instructions.

CHANGES: MSA, procedures renumbered, bearings.

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**MMCN/CEN**

**CIUDAD OBREGON INTL**

29 APR 11

**(10-3A)**

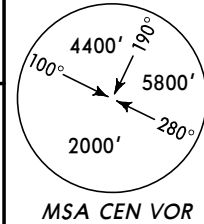
**Eff 5 May**

**CIUDAD OBREGON, MEXICO**

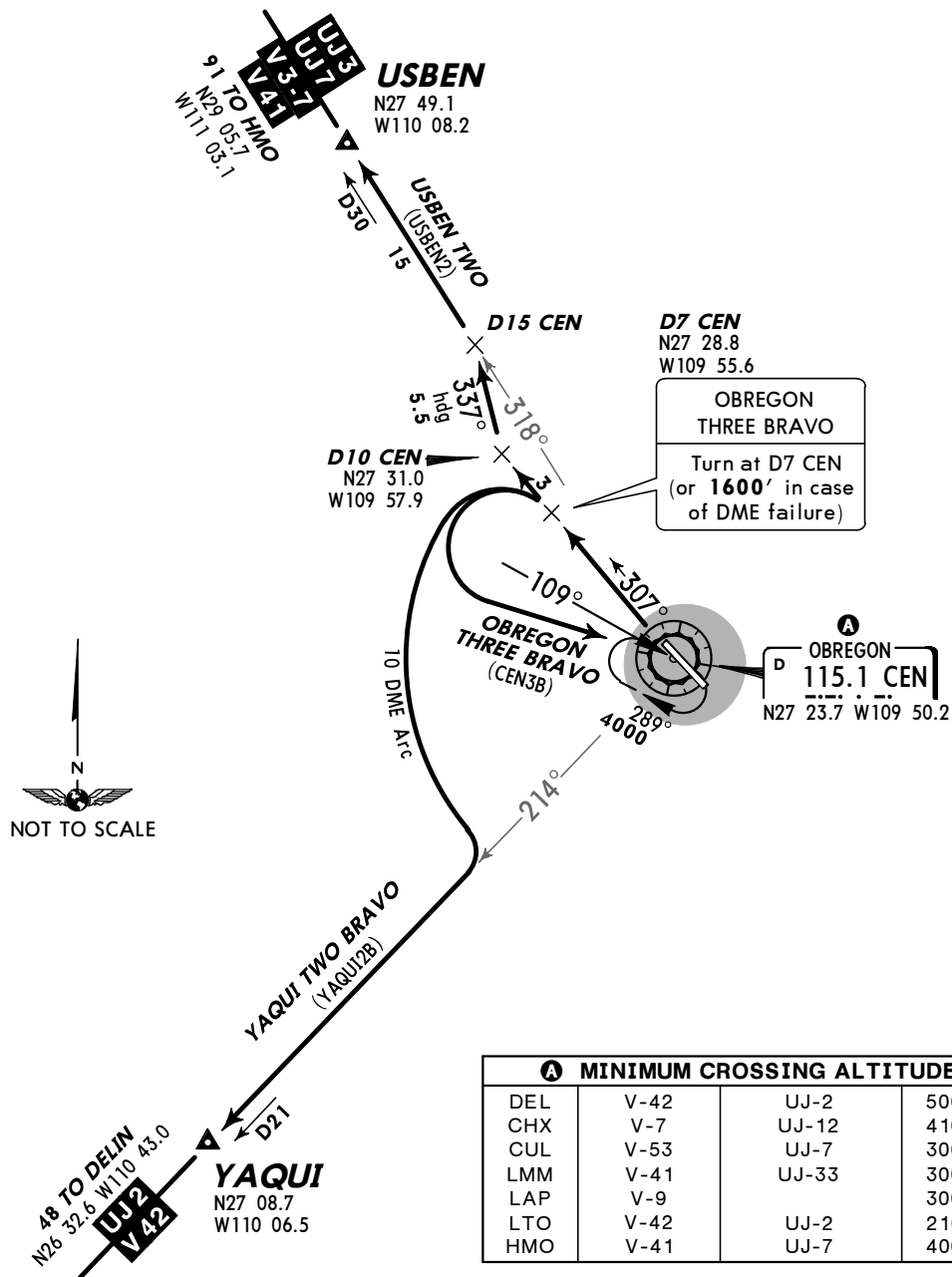
**SID**

Apt Elev  
 205'

Trans level: FL195 Trans alt: 18500'



**DEPARTURES RWY 31**  
 OBREGON THREE BRAVO (CEN3B)[**CEN3B**],  
 USBEN TWO (USBEN2)[**USBEN2**],  
 YAQUI TWO BRAVO (YAQUI2B)[**YAQUI2B**]



**A MINIMUM CROSSING ALTITUDE**

DEL	V-42	UJ-2	5000
CHX	V-7	UJ-12	4100
CUL	V-53	UJ-7	3000
LMM	V-41	UJ-33	3000
LAP	V-9		3000
LTO	V-42	UJ-2	2100
HMO	V-41	UJ-7	4000

**SID**

**INITIAL CLIMB**

**OBREGON THREE BRAVO**

Climb on CEN R-307 to D7 CEN (or 1600' in case of DME failure). Then teardrop turn to the LEFT within 10 NM to CEN. Depart CEN at the MCA **A** for the assigned route or in accordance with ATC instructions.

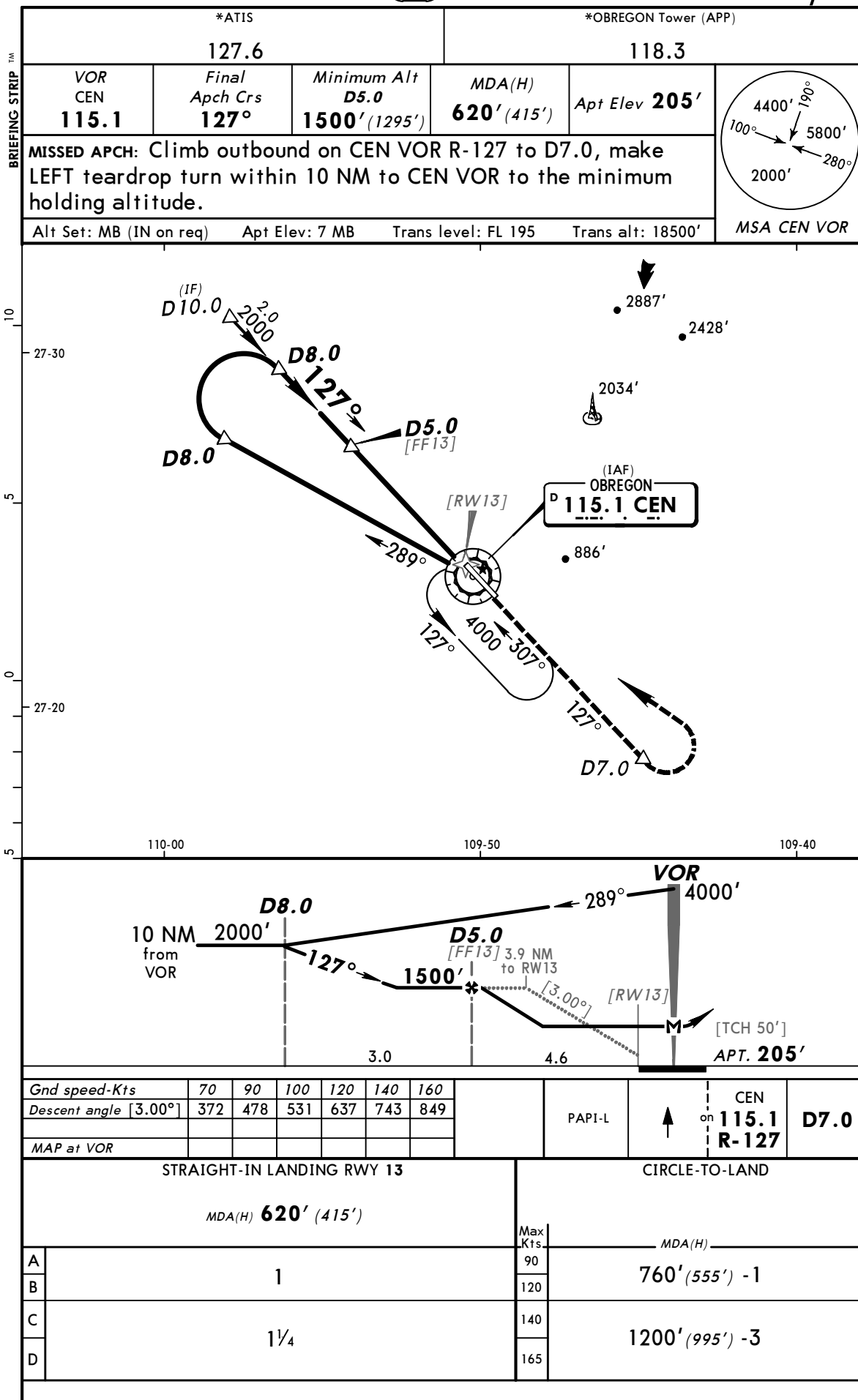
**USBEN TWO**

Climb on CEN R-307 to D10 CEN, turn RIGHT and proceed on heading 337° to intercept CEN R-318 to USBEN. Continue on the assigned route or in accordance with ATC instructions.

**YAQUI TWO BRAVO**

Climb on CEN R-307 to D7 CEN, turn LEFT and proceed on CEN 10 DME Arc to intercept CEN R-214 to YAQUI. Continue on the assigned route or in accordance with ATC instructions.

**MMCN/CEN** **CIUDAD OBREGON INTL** 29 APR 11 **(13-1)** **Eff 5 May** **CIUDAD OBREGON, MEXICO**  
**VOR DME 1 Rwy 13**



CHANGES: Procedure.

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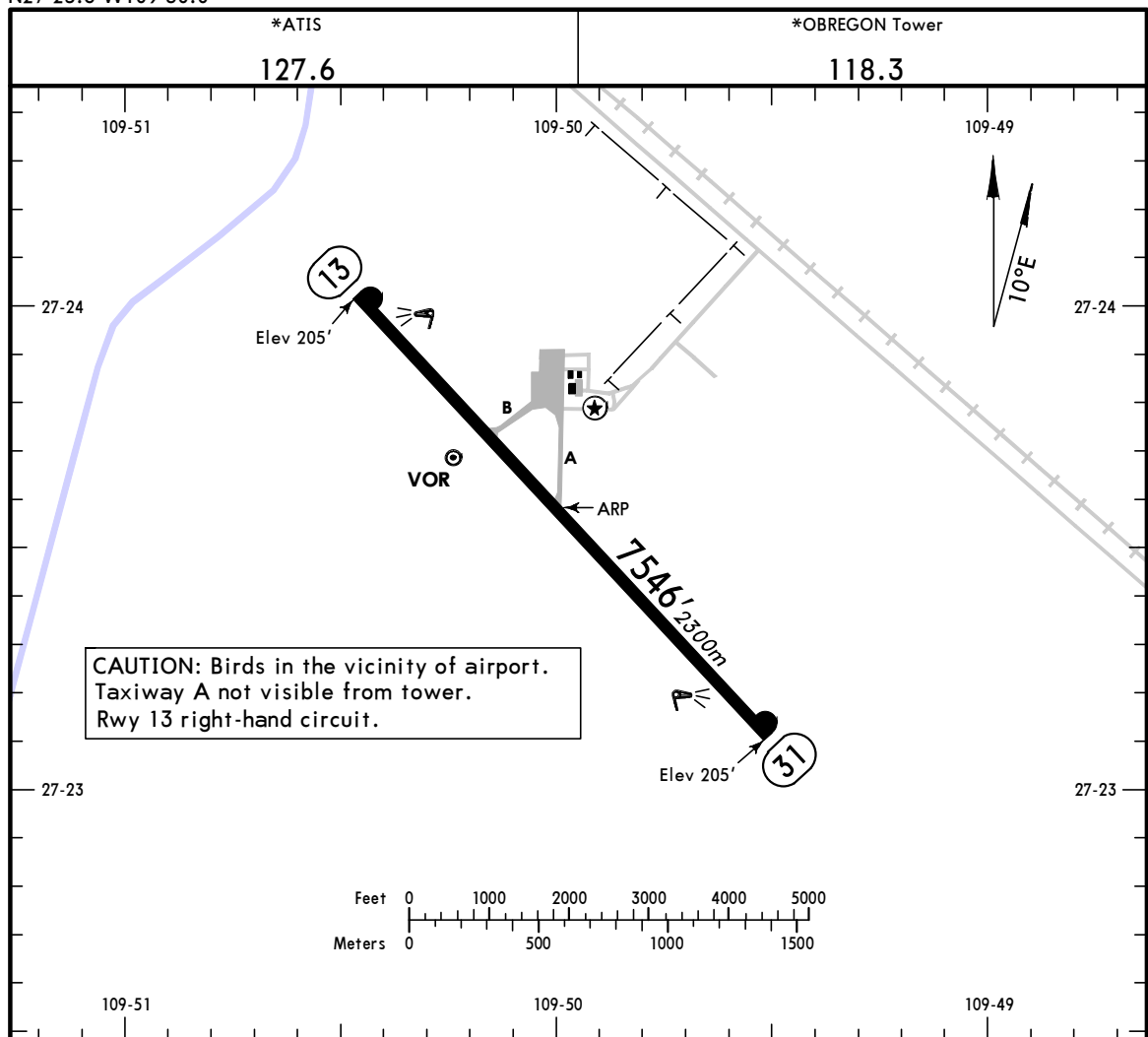
**MMCN/CEN**

Apt Elev **205'**  
 N27 23.6 W109 50.0

**JEPPESEN**  
 29 APR 11 **(13-1)** Eff 5 May

**CIUDAD OBREGON, MEXICO**

**CIUDAD OBREGON INTL**

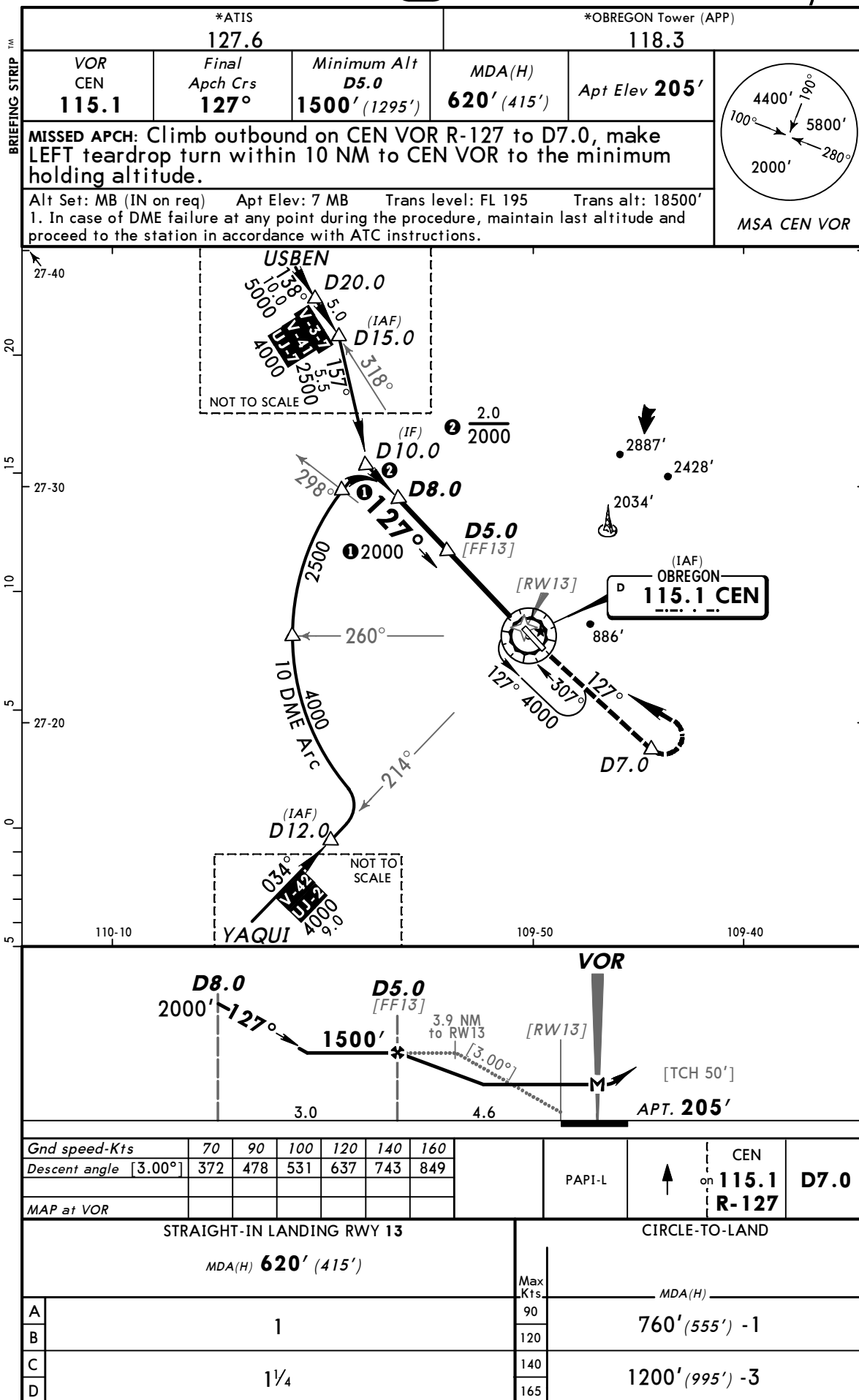


ADDITIONAL RUNWAY INFORMATION					
RWY			USABLE LENGTHS		WIDTH
			LANDING	BEYOND	
			Threshold	Glide Slope	TAKE-OFF
13 31	HIRL PAPI-L (angle 3.0°)				148' 45m

TAKE-OFF			FOR FILING AS ALTERNATE	
	All Rwys			
1 & 2 Eng	400-1		A	800-2
3 & 4 Eng	300-1/2		B	
			C	
			D	

For departure procedures and MCA's see  
 Ciudad Obregon Departures 10-3 and 10-3A.

**MMCN/CEN** **JEPPESSEN** **CIUDAD OBREGON, MEXICO**  
**CIUDAD OBREGON INTL** 29 APR 11 **(13-2)** **Eff 5 May** **VOR DME 2 Rwy 13**



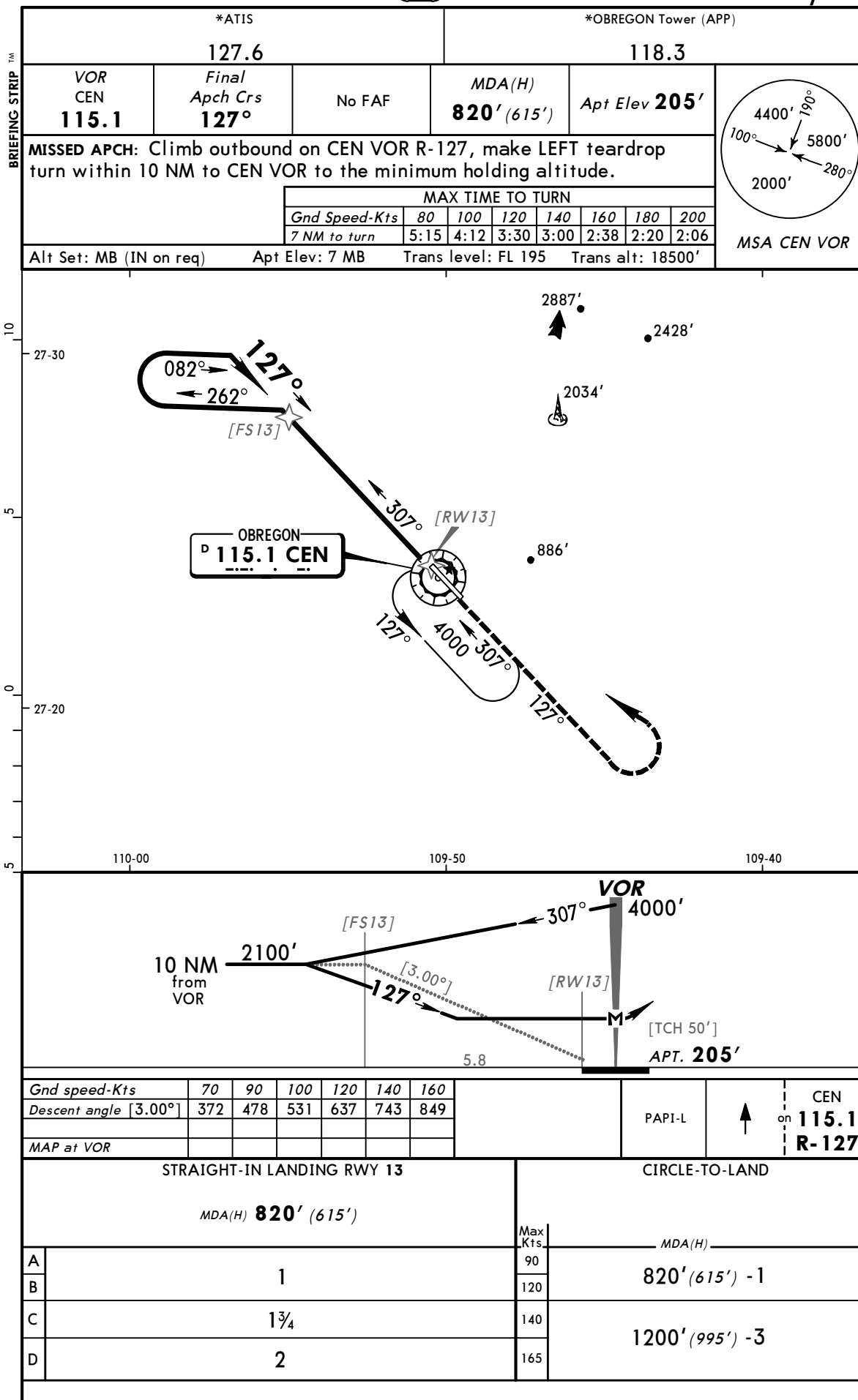
CHANGES: Procedure.

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**MMCN/CEN**  
**CIUDAD OBREGON INTL**

**JEPPESEN** 29 APR 11 **(13-3)** **Eff 5 May**

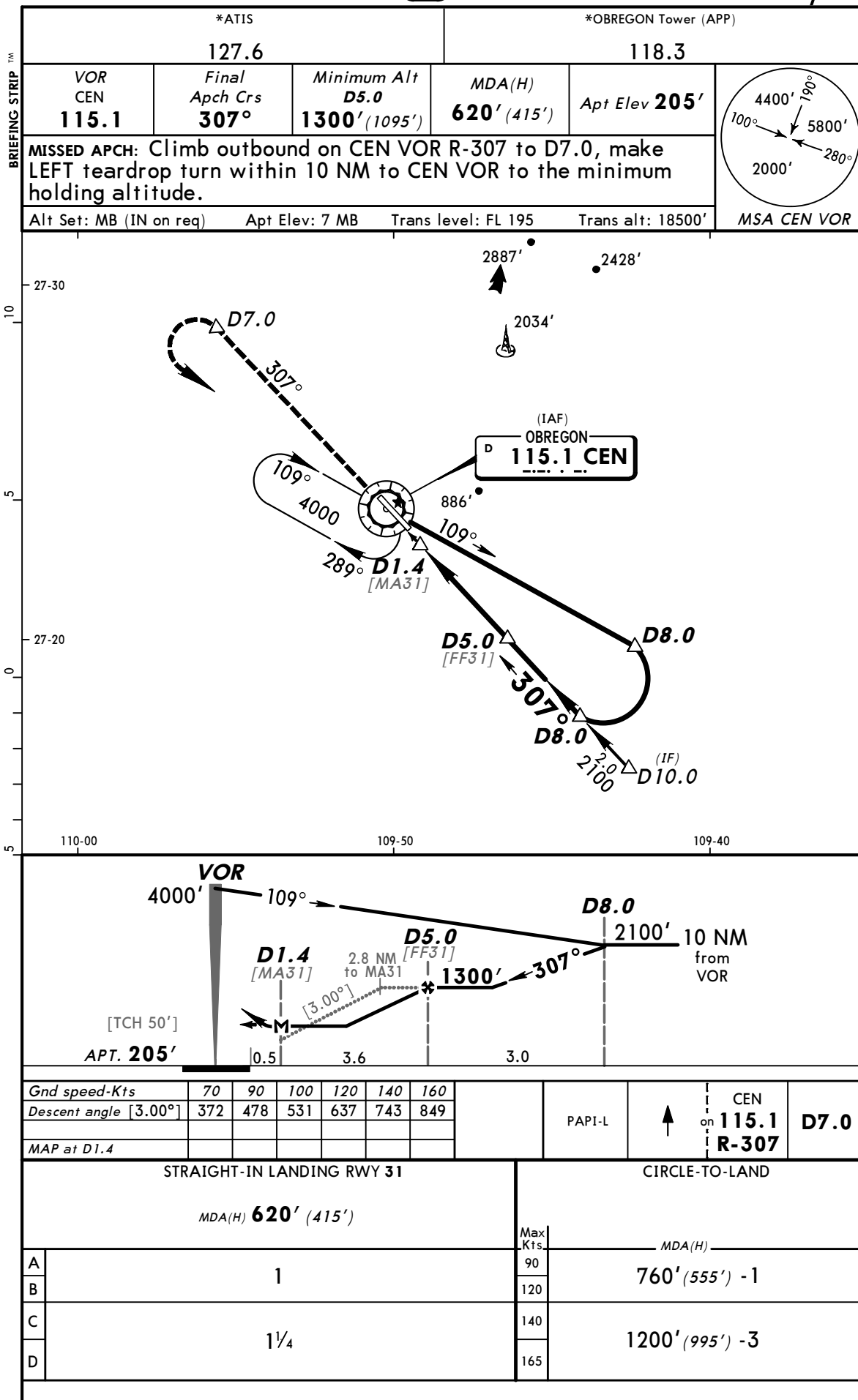
**CIUDAD OBREGON, MEXICO**  
**VOR Rwy 13**



CHANGES: Procedure.

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**MMCN/CEN**  
**CIUDAD OBREGON INTL** 29 APR 11 **(13-4)** **Eff 5 May** **CIUDAD OBREGON, MEXICO**  
**VOR DME 1 Rwy 31**



CHANGES: Procedure.

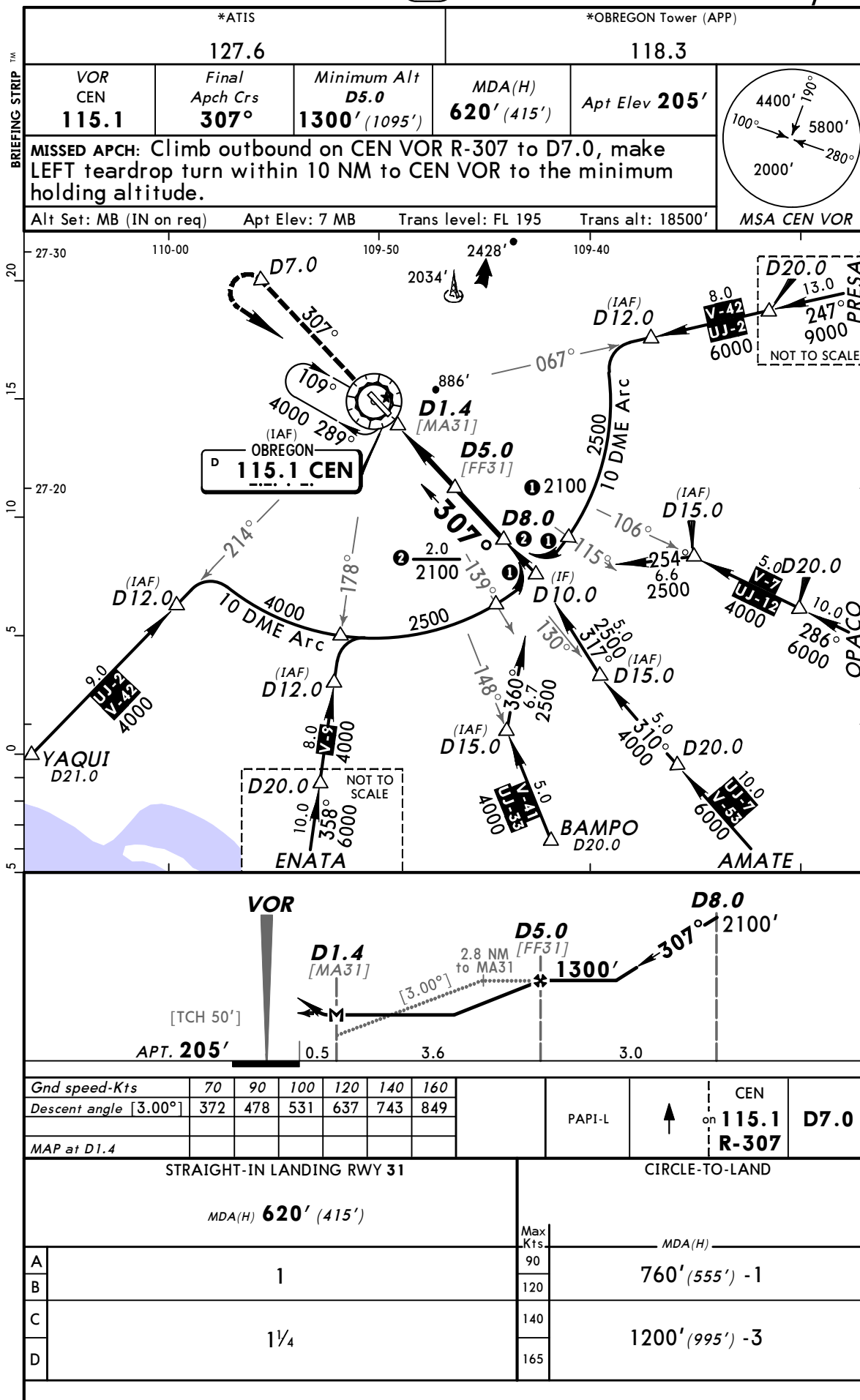
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**MMCN/CEN**  
**CIUDAD OBREGON INTL**

29 APR 11 **(13-5)** **Eff 5 May**

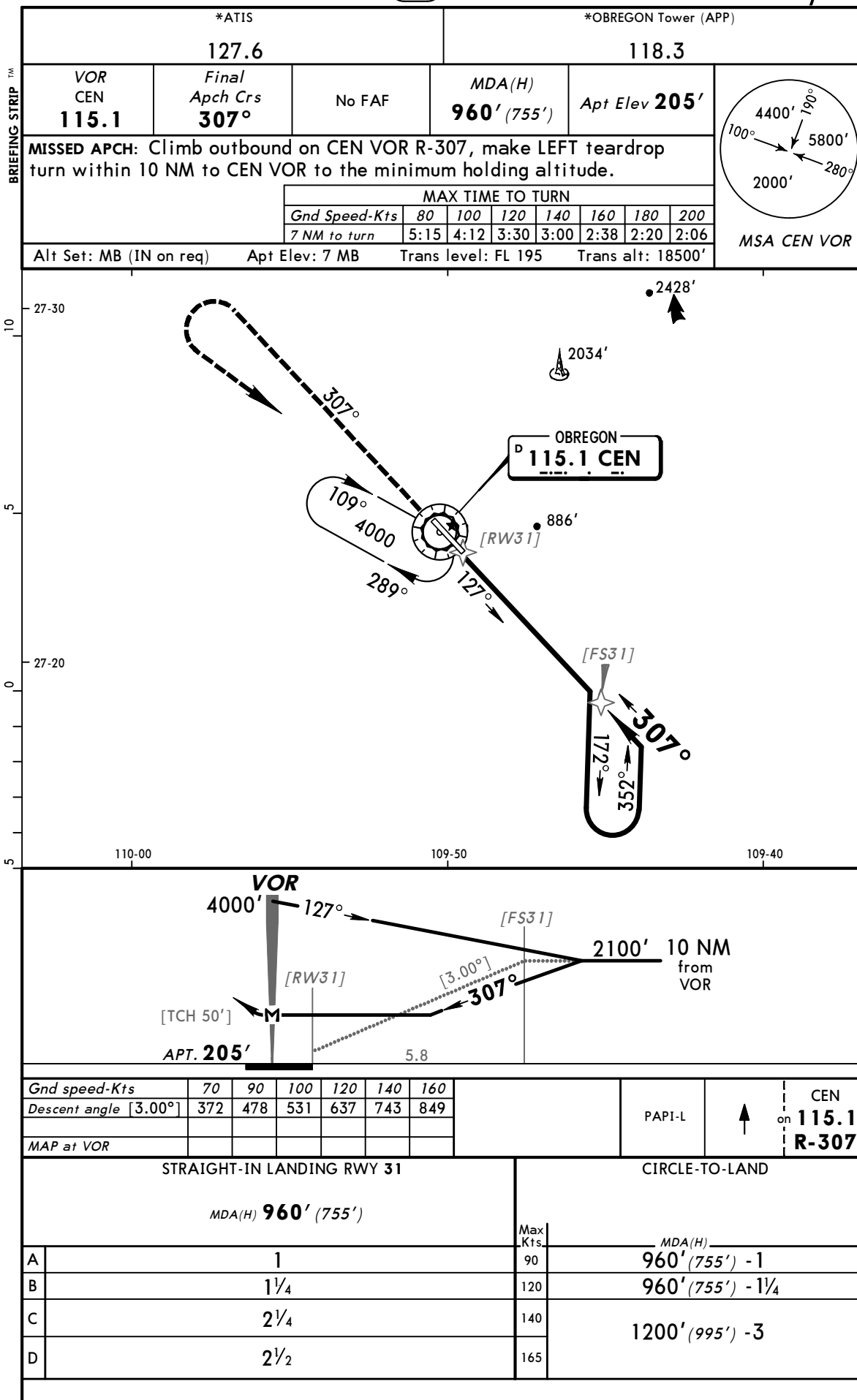
**CIUDAD OBREGON, MEXICO**  
**VOR DME 2 Rwy 31**



CHANGES: Procedure.

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**MMCN/CEN** **JEPPESEN** **CIUDAD OBREGON, MEXICO**  
**CIUDAD OBREGON INTL** 29 APR 11 **(13-6)** **Eff 5 May** **VOR Rwy 31**



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