

TMA

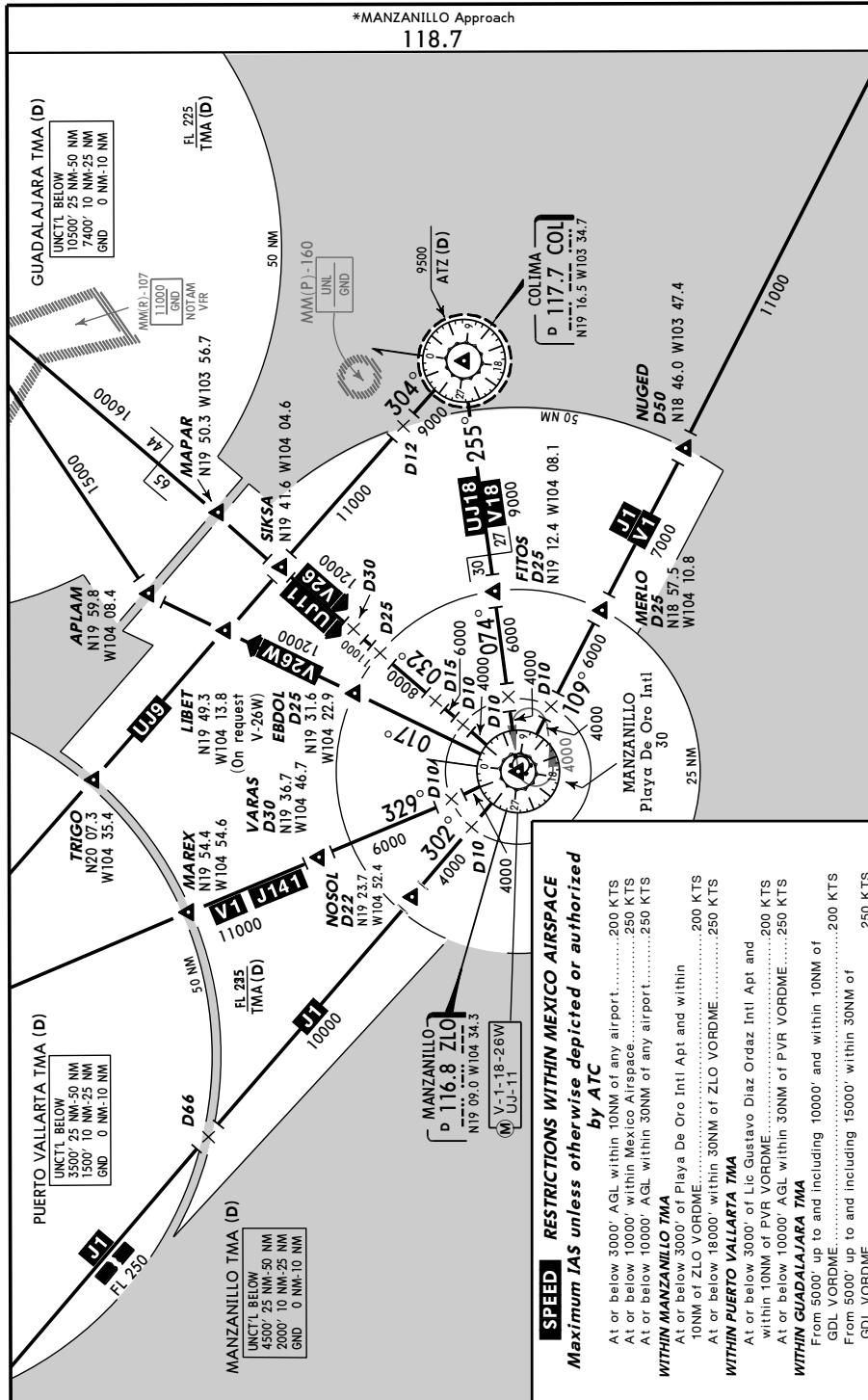
MANZANILLO, MEXICO PLAYA DE ORO INTL

JEPPesen

25 JUN 10

10-1B

*MANZANILLO Approach
118.7



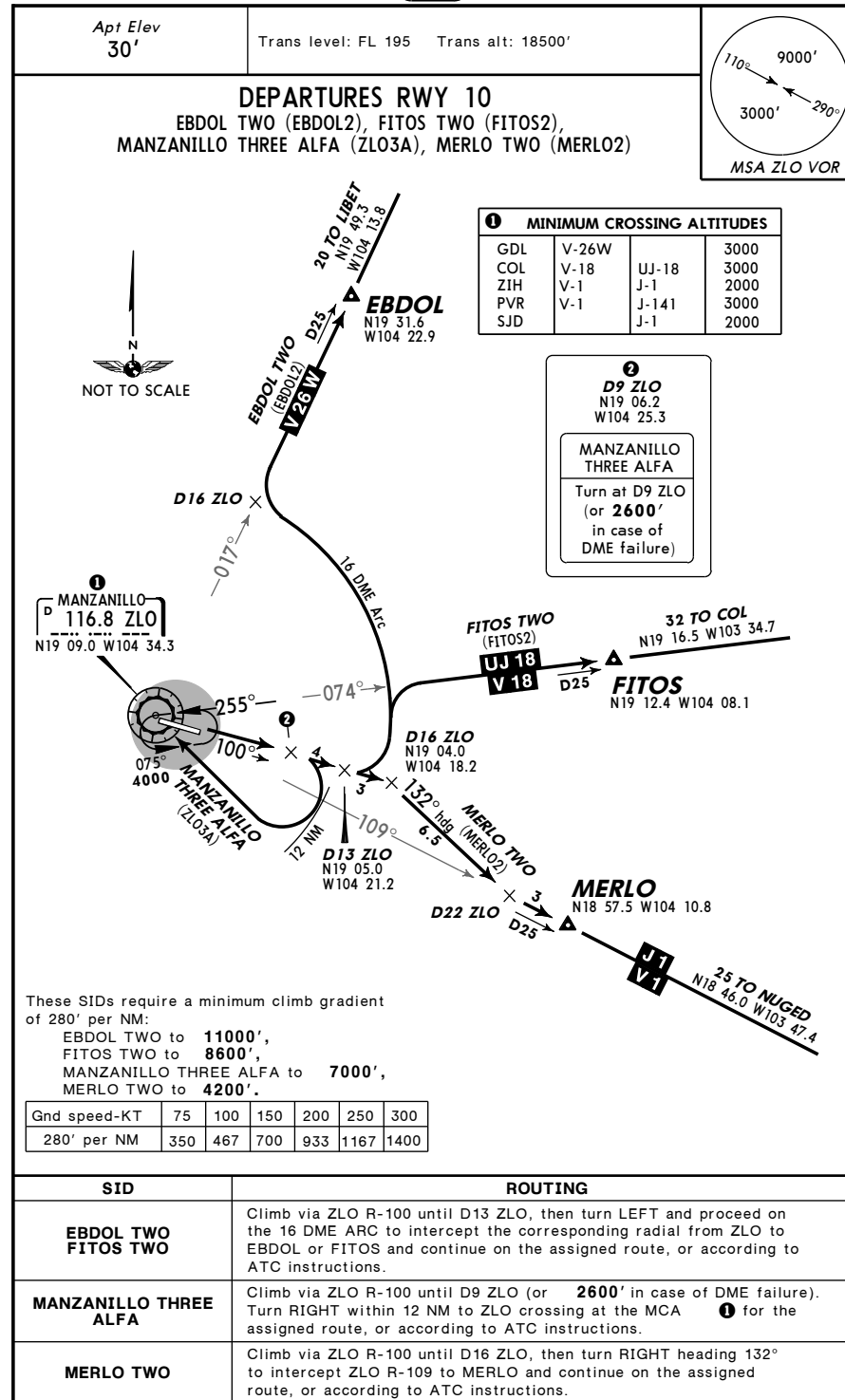
SPEED RESTRICTIONS WITHIN MEXICO AIRSPACE
Maximum IAS unless otherwise depicted or authorized by ATC

At or below 3000' AGL within 10NM of any airport.....	200 KTS
At or below 10000' within Mexico Airspace.....	250 KTS
At or below 10000' AGL within 30NM of any airport.....	250 KTS
WITHIN MANZANILLO TMA	
At or below 3000' of Playa De Oro Intl Apt and within 10NM of ZLO VORDME.....	200 KTS
At or below 18000' within 30NM of ZLO VORDME.....	250 KTS
WITHIN PUERTO VALLARTA TMA	
At or below 3000' of Lic Gustavo Diaz Ordaz Intl Apt and within 10NM of PVR VORDME.....	200 KTS
At or below 10000' AGL within 30NM of PVR VORDME.....	250 KTS
WITHIN GUADALAJARA TMA	
From 5000' up to and including 10000' and within 10NM of GDL VORDME.....	200 KTS
From 5000' up to and including 15000' within 30NM of GDL VORDME.....	250 KTS

MMZO/ZLO PLAYA DE ORO INTL

JEPPesen
6 AUG 10 10-3

MANZANILLO, MEXICO SID



These SIDs require a minimum climb gradient of 280' per NM:

EBDOL TWO to 11000',
FITOS TWO to 8600',
MANZANILLO THREE ALFA to 7000',
MERLO TWO to 4200'.

Gnd speed-KT	75	100	150	200	250	300
280' per NM	350	467	700	933	1167	1400

SID	ROUTING
EBDOL TWO FITOS TWO	Climb via ZLO R-100 until D13 ZLO, then turn LEFT and proceed on the 16 DME ARC to intercept the corresponding radial from ZLO to EBDOL or FITOS and continue on the assigned route, or according to ATC instructions.
MANZANILLO THREE ALFA	Climb via ZLO R-100 until D9 ZLO (or 2600' in case of DME failure). Turn RIGHT within 12 NM to ZLO crossing at the MCA ① for the assigned route, or according to ATC instructions.
MERLO TWO	Climb via ZLO R-100 until D16 ZLO, then turn RIGHT heading 132° to intercept ZLO R-109 to MERLO and continue on the assigned route, or according to ATC instructions.

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MMZO/ZLO

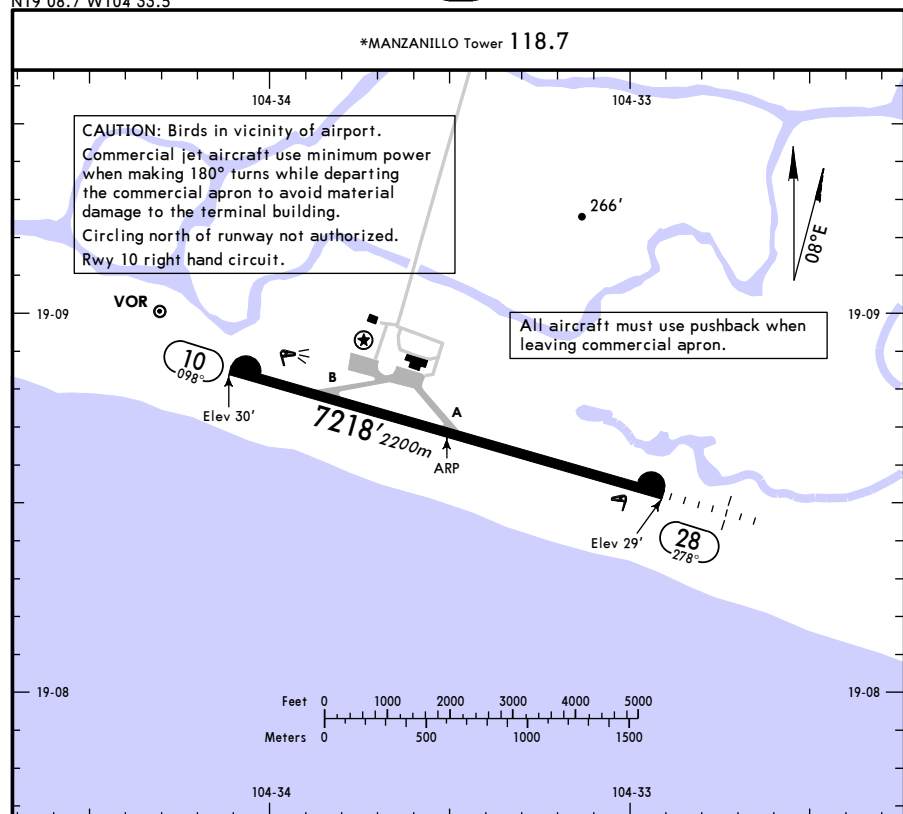
Apt Elev 30'
 N19 08.7 W104 33.5

JEPPesen

2 APR 10 (13-1)

Eff 8 Apr

PLAYA DE ORO INTL



ADDITIONAL RUNWAY INFORMATION

RWY	USABLE LENGTHS			TAKE-OFF	WIDTH
	HIRL	REIL	PAPI-L (angle 3.0°)		
10	HIRL	REIL	PAPI-L (angle 3.0°)		148'
28	HIRL	REIL	SALSF ① PAPI-L (angle 3.0°)		45m

① Usage restricted to 5 NM, obstruction will not be passed at more distance.

TAKE-OFF

	Rwy 28	Rwy 10	FOR FILING AS ALTERNATE
	1	1300-2	
1 & 2 Eng	1		A
3 & 4 Eng	1 1/2		B
			C
			D

1500-2

CHANGES: Rwy end elevations.

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MMZO/ZLO

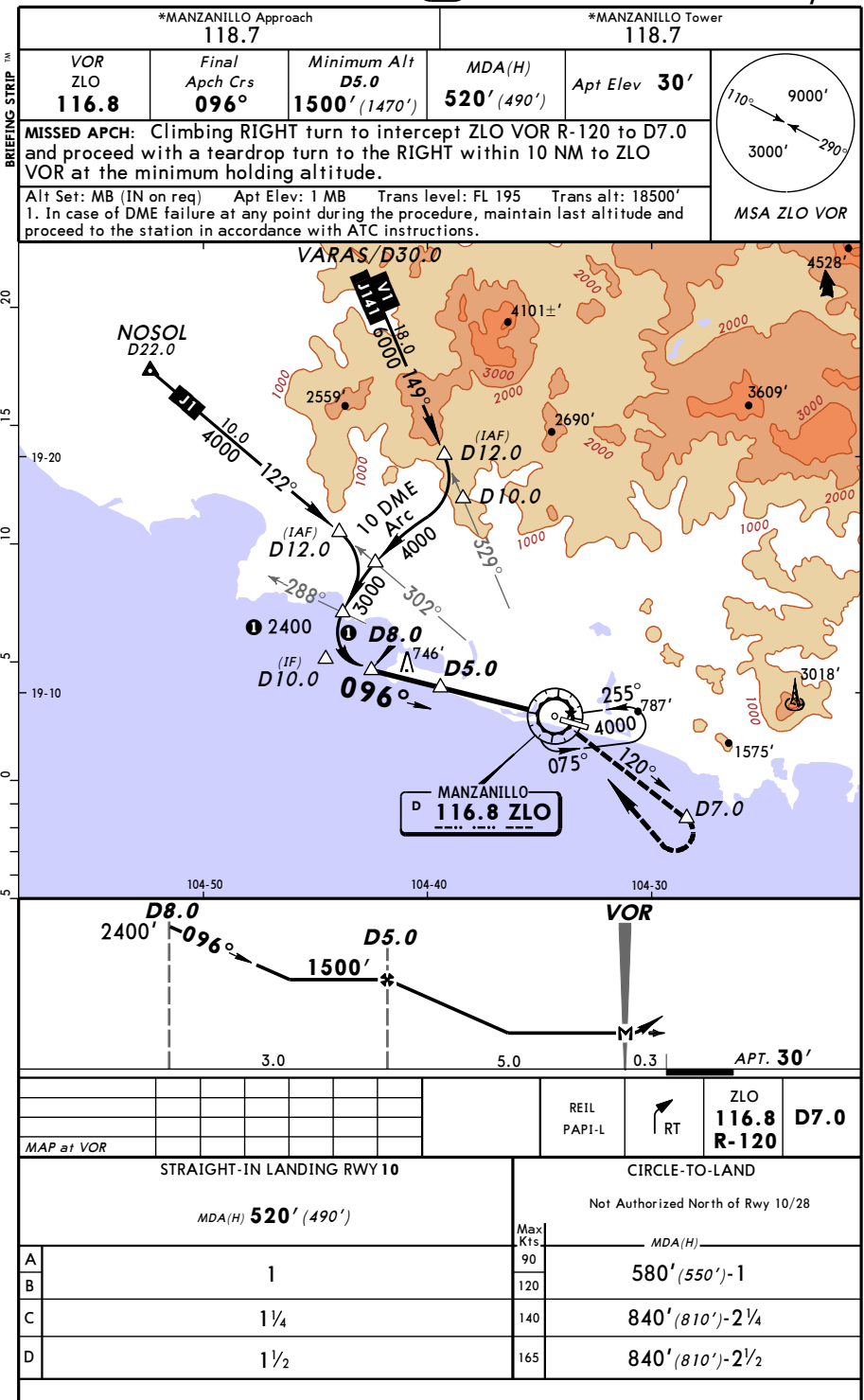
PLAYA DE ORO INTL

JEPPesen

2 APR 10 (13-2)

Eff 8 Apr

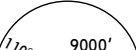
VOR DME-2 Rwy 10



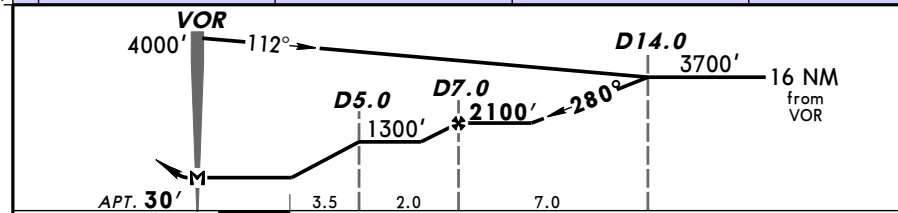
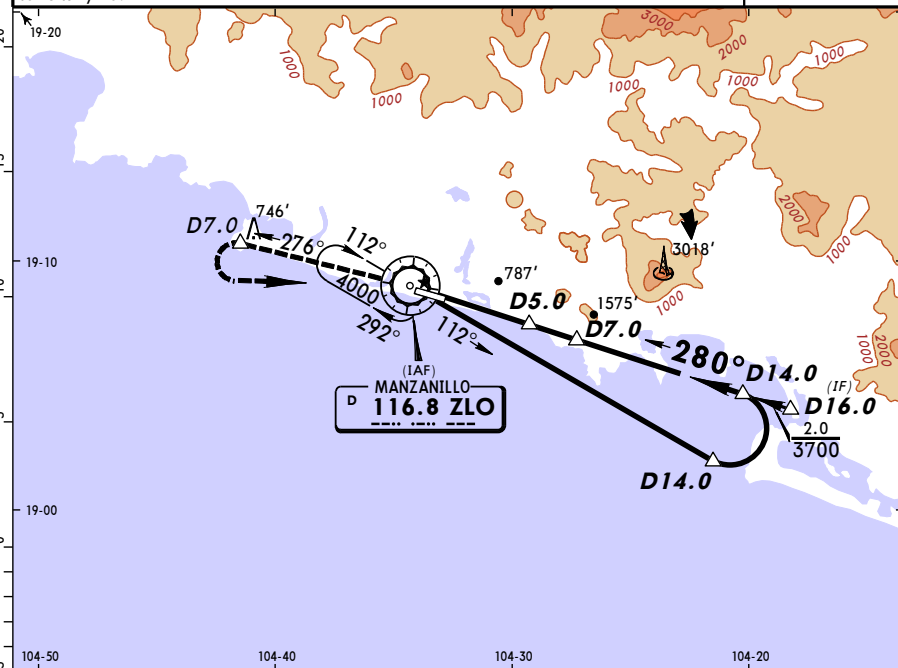
CHANGES: Approach transitions, procedure bearings.

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MMZO/ZLO MANZANILLO, MEXICO
PLAYA DE ORO INTL 2 APR 10 (13-3) Eff 8 Apr VOR DME-1 Rwy 28

BRIEFING STRIP™	*MANZANILLO Approach 118.7			*MANZANILLO Tower 118.7	
	VOR ZLO 116.8	Final Apch Crs 280°	Minimum Alt D7.0 2100' (2070')	MDA(H) 920' (890')	Apt Elev 30'
	MISSED APCH: Climb outbound on ZLO VOR R-276 to D7.0, then proceed with a LEFT teardrop turn within 10 NM to ZLO VOR at the minimum holding altitude.				
	Alt Set: MB (IN on req) Apt Elev: 1 MB Trans level: FL 195 Trans alt: 18500' 1. During night operations if the PAPI system for Rwy 28 fails, the preferred approach is to Rwy 10.				
					

MSA ZLO VOR

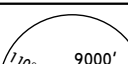


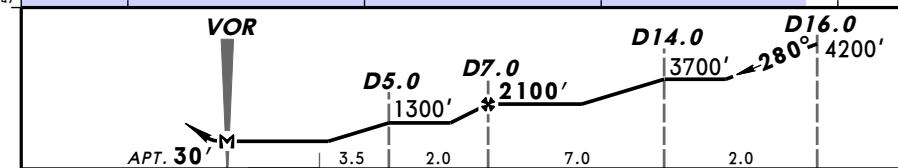
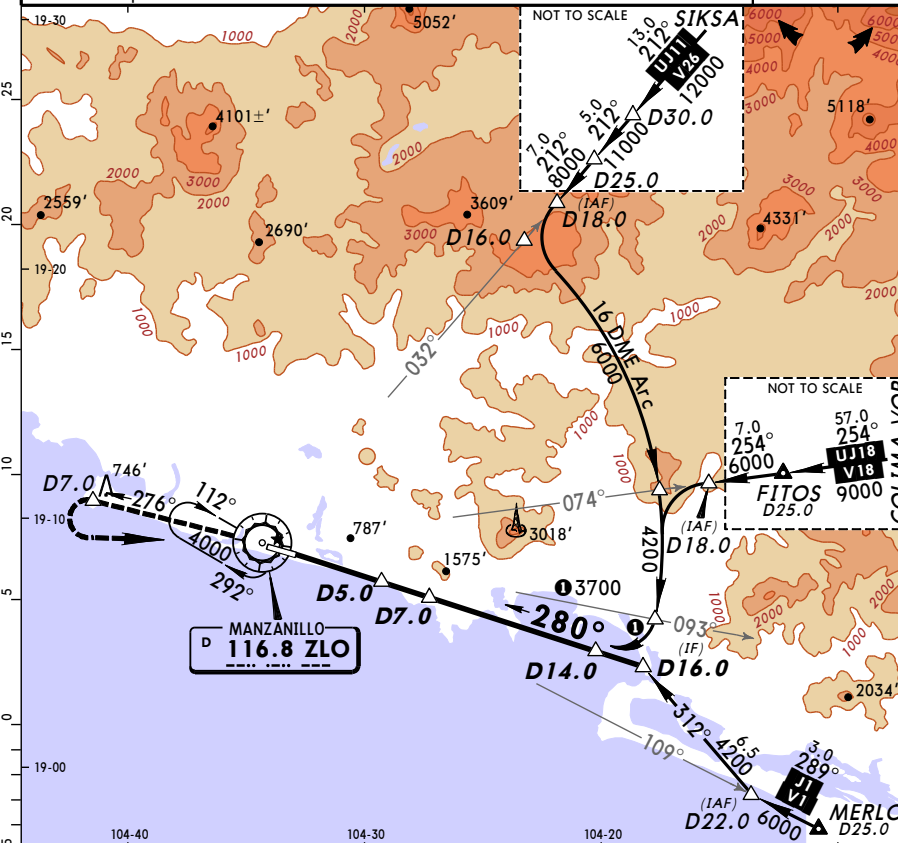
MAP at VOR				SALS F REIL PAPI	LT	ZLO 116.8 R-276	D7.0
STRAIGHT-IN LANDING RWY 28				CIRCLE-TO-LAND			
MDA(H) 920' (890')				Not Authorized North of Rwy 10/28			
ALS out				MDA(H)			
A	1 1/4			Max Kts	980' (950') - 1 1/4		
B				90			
C	2 3/4			120	980' (950') - 2 3/4		
D	3			140			
				165	980' (950') - 3		

CHANGES: Procedure bearings, missed approach.

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MMZO/ZLO MANZANILLO, MEXICO
PLAYA DE ORO INTL 2 APR 10 (13-4) Eff 8 Apr VOR DME-2 Rwy 28

BRIEFING STRIP™	*MANZANILLO Approach			*MANZANILLO Tower	
	118.7			118.7	
	VOR ZLO 116.8	Final Apch Crs 280°	Minimum Alt D7.0 2100' (2070')	MDA(H) 920' (890')	Apt Elev 30'
	MISSED APCH: Climb outbound on ZLO VOR R-276 to D7.0, then proceed with a LEFT teardrop turn within 10 NM to ZLO VOR at the minimum holding altitude.				
	Alt Set: MB (IN on req) Apt Elev: 1 MB Trans level: FL 195 Trans alt: 18500' 1. During night operations, if the PAPI system for Rwy 28 fails, the preferred approach is to Rwy 10. 2. In case of DME failure at any point during the procedure, maintain last altitude and proceed to the station in accordance with ATC instructions.				
					 MSA ZLO VOR



MAP at VOR				SALS F REIL PAPI	LT	ZLO 116.8 R-276	D7.0
STRAIGHT-IN LANDING RWY 28				CIRCLE-TO-LAND			
MDA(H) 920' (890')				Not Authorized North of Rwy 10/28			
ALS out				MDA(H)			
A	1 1/4			Max Kts	980' (950') - 1 1/4		
B				90			
C	2 3/4			120	980' (950') - 2 3/4		
D	3			140			
				165	980' (950') - 3		

CHANGES: Procedure.

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MMZO/ZLO
PLAYA DE ORO INTL

JEPPESEN
2 APR 10 (13-5) Eft

MANZANILLO, MEXICO
VOR-A

BRIEFING STRIP

*MANZANILLO Approach

118.7

VOR
ZLO
116.8

Final
ApcH Crs
315°

No FAF

MDA(H)
Refer to
Minimums

Apt Elev 30'

*MANZANILLO Tower

118.7

110°

9000'

290°

3000'

MSA ZLO VOR

MISSED APCH: Climb outbound on ZLO VOR R-276 and proceed with a LEFT teardrop turn within 10 NM to ZLO VOR at the minimum holding altitude.

MAX TIME TO TURN

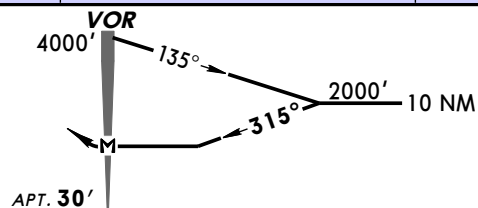
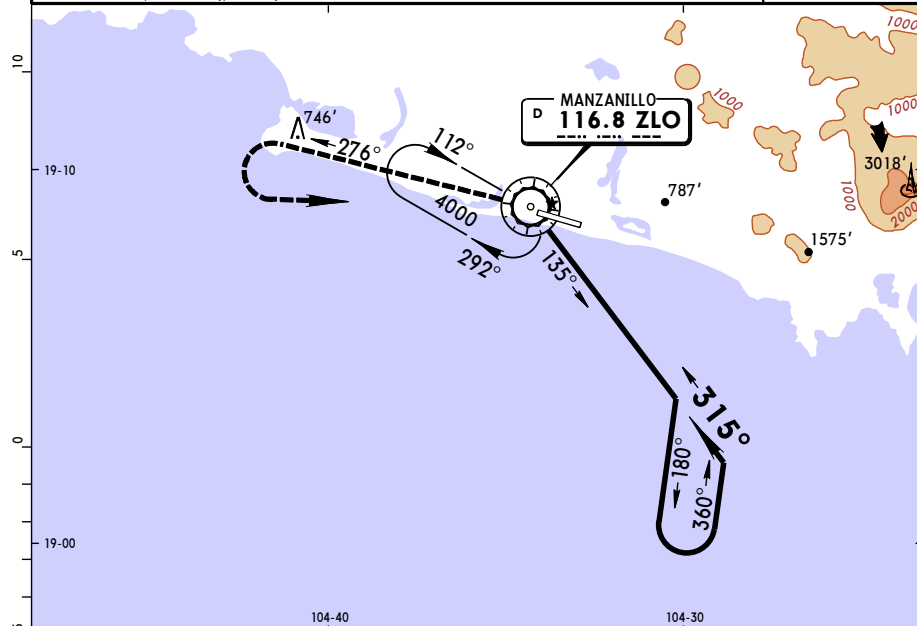
Gnd Speed-Kts	80	100	120	140	160	180	200
7 NM to turn	5:15	4:12	3:30	3:00	2:38	2:20	2:06

Alt Set: MB (IN on req)

Apt Elev: 1 MB

Trans level: FL 195

Trans alt: 18500'

[illegible]

		CIRCLE-TO-LAND	
		Not Authorized North of Rwy 10/28	
	Max Kts	MDA(H) _____	
	A	90	980' (950') - 1¼
	B	120	
	C	140	1100' (1070') - 3
	D	165	

CHANGES: Missed approach.

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