

1 OCT 10

10-1B

GEN JUAN N ALVAREZ INTL

ACAPULCO Approach (\*R)  
119.9

**MAXIMUM IAS UNLESS OTHERWISE DEPICTED OR AUTHORIZED BY ATC**

**WITHIN ACAPULCO TMA**

At or below 3000' of Gen Juan N Alvarez Intl Apt and within 10NM of ACA VORDME.....	200 KTS
At or below 10,000' within 30NM of ACA VORDME.....	250 KTS



UNCL' L BELOW  
3500' 25 NM-50 NM  
1500' 10 NM-25 NM  
GND 0 NM-10 NM

**①** 291° 3000  
**②** 314° 3000  
**③** 352° 3000  
**④** 007° 3000  
**⑤** 022° 3000

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**JEPPESEN**

16 JAN 04 (10-1R)

## GEN JUAN N ALVAREZ INTL

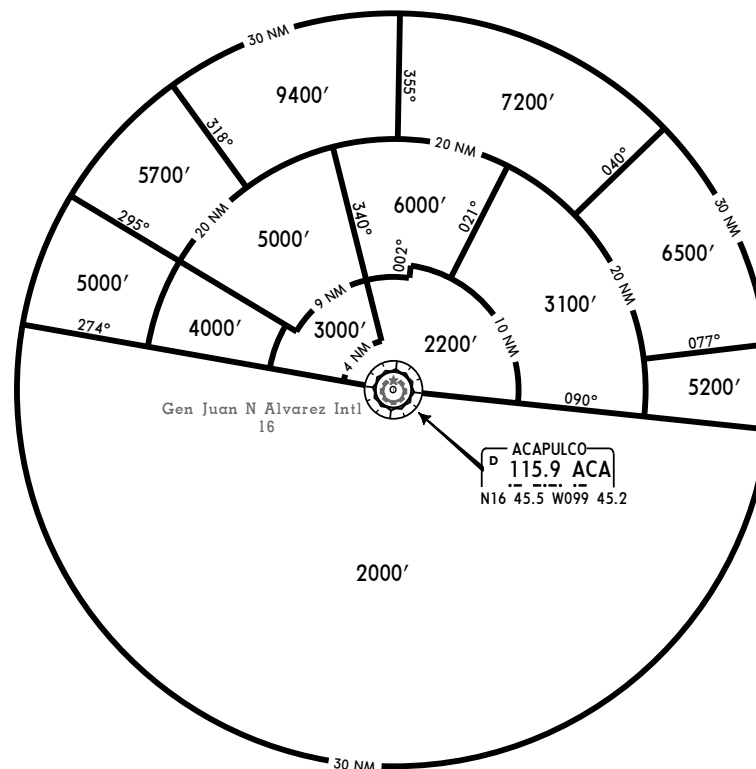
### MINIMUM VECTOR ALTITUDE CLEARANCE

### IFR MINIMUM VECTOR ALTITUDES (MVA)

These are the lowest MVAs that can be assigned by the controller in a sector when RADAR control procedures (vectors) are applied, without affecting routes and procedures with lower minimums.

**MAXIMUM SPEED:**

250 kts IAS within 30 NM of ACA VOR and at or below 10000'.  
200 kts IAS within 10 NM of ACA VOR and at or below 3000'.



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MMAA/ACA  
GEN JUAN N ALVAREZ INTL

JEPPesen  
11 DEC 09 10-3 Eff 17 Dec

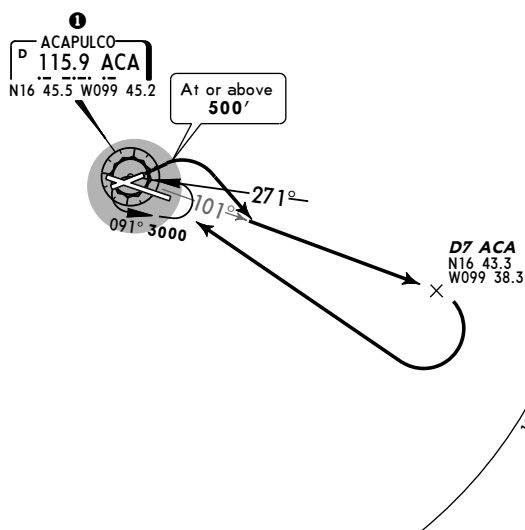
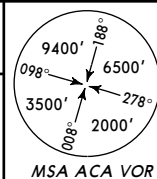
ACAPULCO, MEXICO

SID

Apt Elev  
16'

Trans level: FL195 Trans alt: 18500'

DEPARTURE RWY 06  
ACAPULCO TWO CHARLIE (ACA2C)



1 MINIMUM CROSSING ALTITUDE

TEQ	V-15	J-21	5300
OAX	V-3	UJ-16	2000
PXM	V-1	J-1, UJ-9	2000
UL-344		UL-344	2000
ZIH	V-1-3	J-1, UJ-9	2000
UPN		UJ-3	5200
TLC		UJ-45	6600
TEQ	V-15W	UJ-21W	5100



INITIAL CLIMB

Climb on runway heading until reaching 500'.

ROUTING

Turn RIGHT and intercept the ACA R-101 outbound to D7 ACA, turn RIGHT within 10 DME to ACA, crossing ACA at the MCA 1 of the assigned route or according to ATC instructions.

CHANGES: Procedure bearing, airport elevation, MCA.

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MMAA/ACA  
GEN JUAN N ALVAREZ INTL

JEPPesen  
11 DEC 09 10-3A Eff 17 Dec

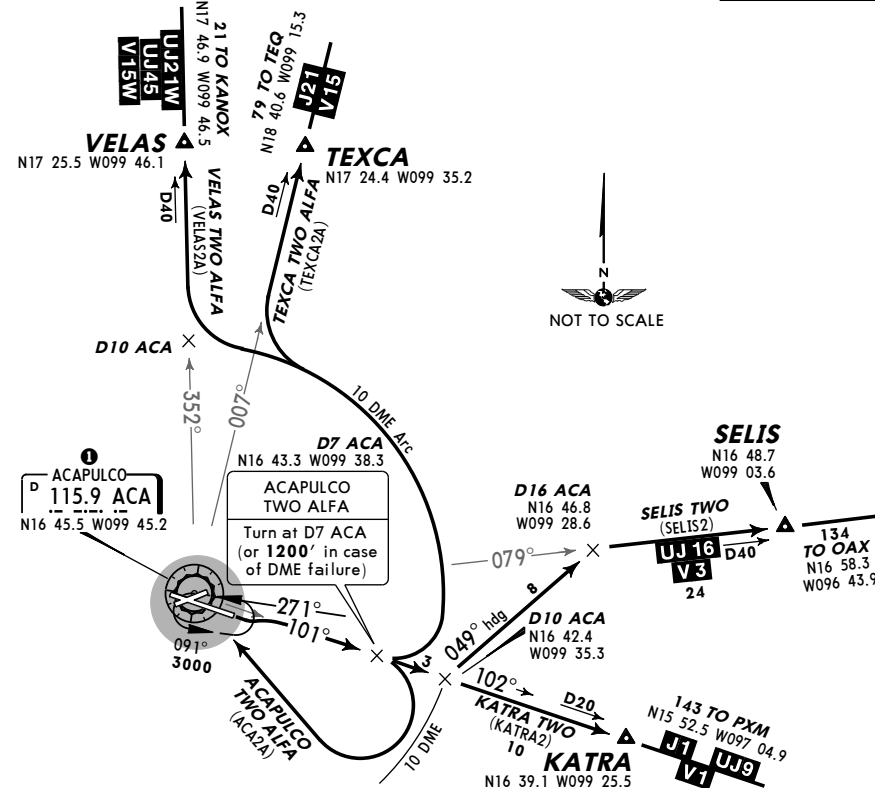
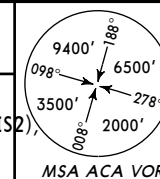
ACAPULCO, MEXICO

SID

Apt Elev  
16'

Trans level: FL195 Trans alt: 18500'

DEPARTURES RWY 10  
ACAPULCO TWO ALFA (ACA2A), KATRA TWO (KATRA2), SELIS TWO (SELIS2),  
TEXCA TWO ALFA (TEXCA2A), VELAS TWO ALFA (VELAS2A)



These SIDs require minimum climb gradients:  
SELIS TWO: 220' per NM to 6000'.  
TEXCA TWO ALFA, VELAS TWO ALFA: 230' per NM to 9000'.

Gnd speed-KT	75	100	150	200	250	300
220' per NM	275	367	550	733	917	1100
230' per NM	288	383	575	767	958	1150

1 MINIMUM CROSSING ALTITUDE

TEQ	V-15	J-21	5300
OAX	V-3	UJ-16	2000
PXM	V-1	J-1, UJ-9	2000
ULAPA		UL-344	2000
ZIH	V-1-3	J-1, UJ-9	2000
UPN		UJ-3	5200
TLC		UJ-45	6600
TEQ	V-15W	UJ-21W	5100

SID

INITIAL CLIMB

ACAPULCO TWO ALFA	Climb via ACA R-101 to D7 ACA (or 1200' in case of DME failure), then turn RIGHT within 10 DME to ACA crossing at the MCA 1 of the assigned route or according to ATC instructions.
KATRA TWO	Climb via ACA R-101 and proceed on ACA R-102 to KATRA, then continue on the assigned route or according to ATC instructions.
SELIS TWO	Climb via ACA R-101 to D10 ACA, then turn LEFT heading 049° to intercept ACA R-079 to SELIS, then proceed on the assigned route or according to ATC instructions.
TEXCA TWO ALFA VELAS TWO ALFA	Climb via ACA R-101 to D7 ACA, then turn LEFT on the ACA 10 DME Arc to intercept the corresponding radial from ACA to VELAS or TEXCA and continue to intercept the assigned route or according to ATC instructions.

CHANGES: Procedures revised, renumbered.

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GEN JUAN N ALVAREZ INTL

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ACAPULCO, MEXICO

11 DEC 09 10-3B

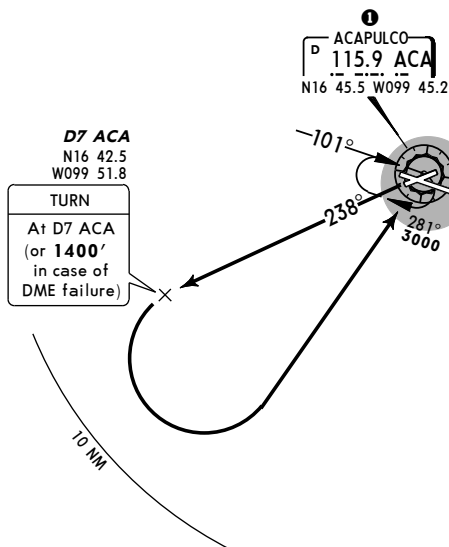
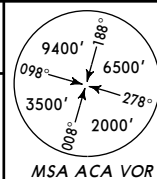
Eff 17 Dec

SID

Apt Elev  
16'

Trans level: FL195 Trans alt: 18500'

DEPARTURE RWY 24  
ACAPULCO FOUR DELTA (ACA4D)



This SID requires a minimum climb gradient of:  
340' per NM to 3000'.

Gnd speed-KT	75	100	150	200	250	300
340' per NM	425	567	850	1133	1417	1700

**1 MINIMUM CROSSING ALTITUDE**

TEQ	V-15	J-21	5300
OAX	V-3	UJ-16	2000
PXM	V-1	J-1, UJ-9	2000
UL-344		UL-344	2000
ZIH	V-1-3	J-1, UJ-9	2000
UPN		UJ-3	5200
TLC		UJ-45	6600
TEQ	V-15W	UJ-21W	5100

**INITIAL CLIMB**

Climb on ACA R-238 to D7 ACA (to 1400' in case of DME failure). Turn LEFT within 10 NM to ACA and depart at the published MCA 1 for the assigned route or in accordance with ATC instructions.

MMAA/ACA  
GEN JUAN N ALVAREZ INTL

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ACAPULCO, MEXICO

11 DEC 09 10-3C

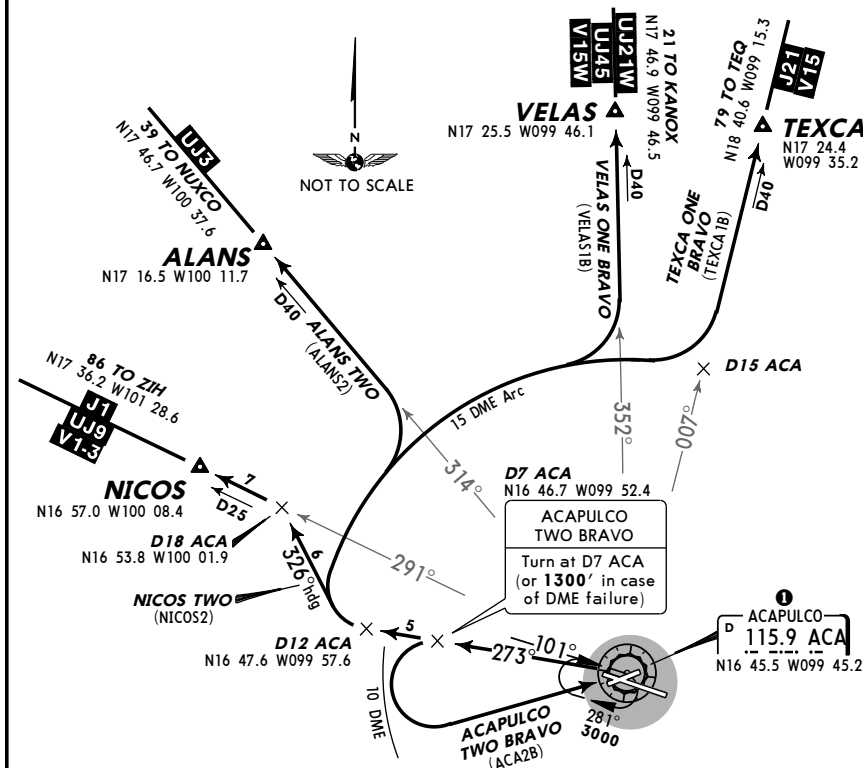
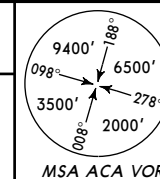
Eff 17 Dec

SID

Apt Elev  
16'

Trans level: FL195 Trans alt: 18500'

DEPARTURES RWY 28  
ACAPULCO TWO BRAVO (ACA2B), ALANS TWO (ALANS2),  
NICOS TWO (NICOS2), TEXCA ONE BRAVO (TEXCA1B),  
VELAS ONE BRAVO (VELAS1B)



These SIDs require minimum climb gradients of:  
ALANS TWO: 260' per NM to 13000'.  
NICOS TWO: 260' per NM to 4000'.  
TEXCA ONE BRAVO, VELAS ONE BRAVO: 260' per NM to 9000'.

Gnd speed-KT	75	100	150	200	250	300
260' per NM	325	433	650	867	1083	1300

**1 MINIMUM CROSSING ALTITUDE**

TEQ	V-15	J-21	5300
OAX	V-3	UJ-16	2000
PXM	V-1	J-1, UJ-9	2000
ULAPA		UL-344	2000
ZIH	V-1-3	J-1, UJ-9	2000
UPN		UJ-3	5200
TLC		UJ-45	6600
TEQ	V-15W	UJ-21W	5100

**SID**

**INITIAL CLIMB**

<b>ACAPULCO TWO BRAVO</b>	Climb via ACA R-273 to D7 ACA (to 1300' in case of DME failure), then turn LEFT within 10 DME to ACA, crossing at the MCA 1 of the assigned route or according to ATC instructions.
<b>ALANS TWO TEXCA ONE BRAVO VELAS ONE BRAVO</b>	Climb via ACA R-273 to D12 ACA, then turn RIGHT on the ACA 15 DME Arc to intercept the corresponding radial from ACA to ALANS, VELAS or TEXCA and continue to intercept the assigned route or according to ATC instructions.
<b>NICOS TWO</b>	Climb via ACA R-273 to D12 ACA, then turn RIGHT heading 326° to intercept ACA R-291 to NICOS, then proceed on the assigned route or according to ATC instructions.

**MMAA/ACA**  **JEPPESSEN** **ACAPULCO, MEXICO**  
Apt Elev **16'** 23 JUL 10 (11-1)  
N14 45.4 W099 45.2 Eff 29 Jul GEN JUAN N ALVAREZ INTL

ACAPULCO Tower

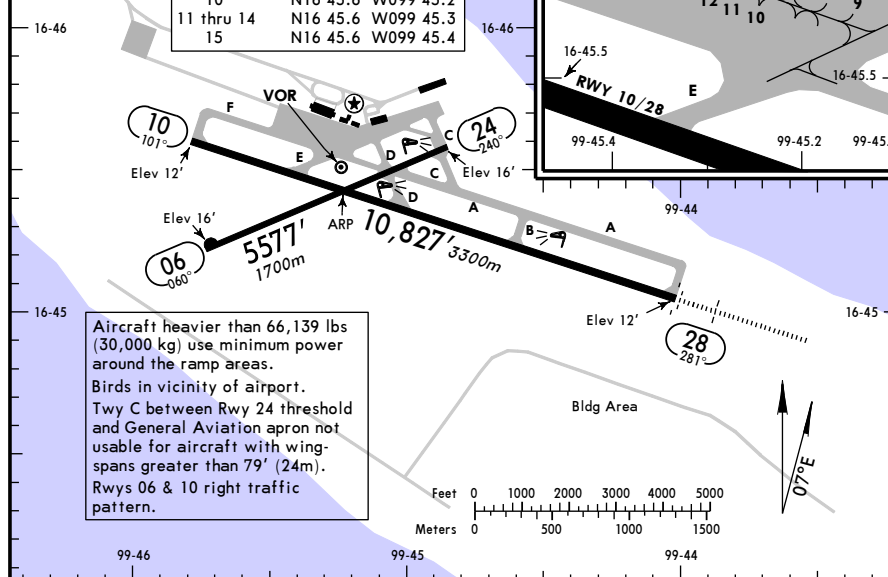
115.9 118.5 119.9

99-46 99-45 99-45.4 99-45.3 99-45.2 99-45.1 16-45.7 16-45.6

PARKING SPOT COORDINATES

SPOT No.	COORDINATES
1, 2	N16 45.7 W099 45.4
3, 4, 5	N16 45.6 W099 45.3
6, 7, 8	N16 45.6 W099 45.2
9	N16 45.6 W099 45.1
10	N16 45.6 W099 45.2

F 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16-45.6



ADDITIONAL RUNWAY INFORMATION						
RWY			USABLE LENGTHS		TAKE-OFF	WIDTH
			— LANDING BEYOND — Threshold	Glide Slope		
06	24	HIRL PAPI-L (angle 3.0°)				115' 35m
10		HIRL PAPI-L (angle 3.10°)				148' 45m
	28	HIRL ALS PAPI-L (angle 3.0°)				

<i>Gnd speed-Kts</i>	70	90	100	120	140	160	PAPI-L	↑	ACA	D7.0 ACA	
<i>Gs</i>	3.10°	389	500	556	667	778			889		115.9 R-101
<i>MAP at D2.0 ACA</i>											

TAKE-OFF & DEPARTURE PROCEDURE					FOR FILING AS ALTERNATE	
	Rwy 10	Rwy 24	Rwy 06	Rwy 28		
		CAT A,B,C ACFT	CAT A,B,C ACFT		Precision	Non-Precision
1 & 2 Eng	400-1	400-1	400-1	400-1½	600-2	800-2
3 & 4 Eng	½	½	300-1	300-1		

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MMAA/ACA ACAPULCO, MEXICO  
GEN JUAN N ALVAREZ INTL 11 DEC 09 (11-2) ILS DME 2 or LOC Rwy 10

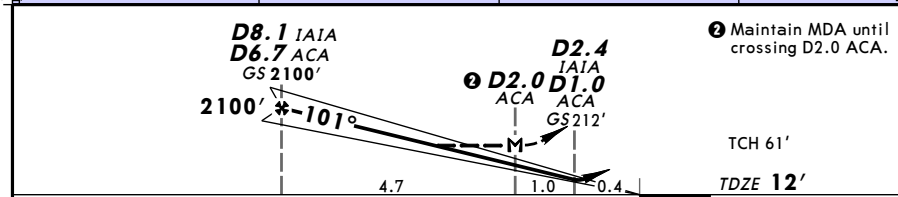
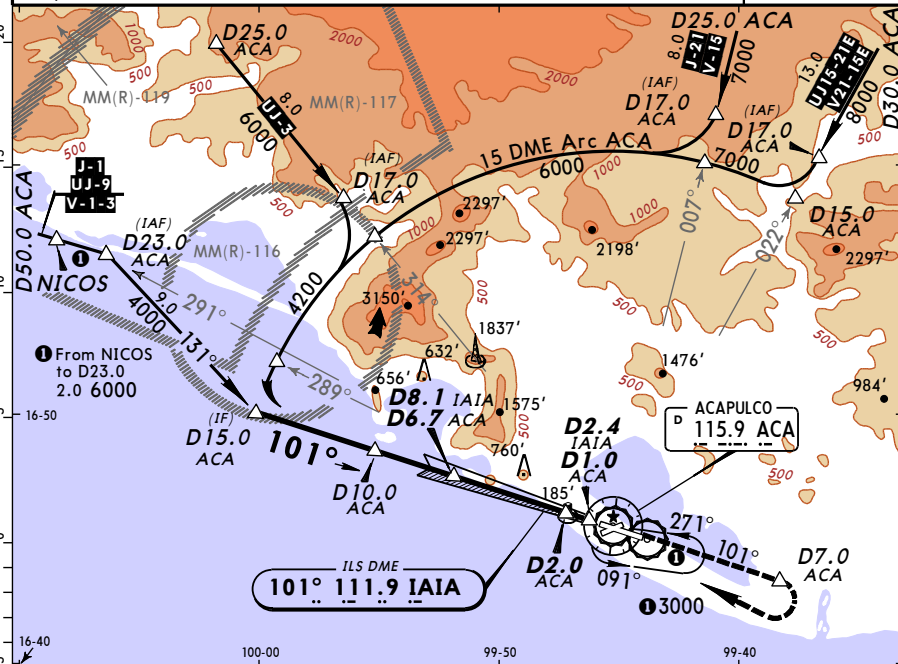
*ATIS		ACAPULCO Approach (R)		ACAPULCO Tower	
115.9		119.9		118.5 119.9	
LOC	Final	GS	ILS	Apt Elev 16'	
IAIA	Apch Crs	D8.1 IAIA D6.7 ACA	DA(H)	TDZE 12'	
111.9	101°	2100' (2088')	212' (200')		

MISSED APCH: Climb outbound on ACA VOR R-101 to D7.0 ACA with a teardrop turn to the RIGHT within 10 NM to ACA VOR to the minimum holding altitude.

Alt Set: MB (IN on req) TDZ Elev: 0 MB Trans level: FL 195 Trans alt: 18500'

1. 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 ACA VOR



Gnd speed-Kts	70	90	100	120	140	160			ACA	D7.0
GS	3.10°	389	500	556	667	778	889		115.9	115.9
MAP at D2.0 ACA									R-101	ACA

STRAIGHT-IN LANDING RWY10				CIRCLE-TO-LAND	
ILS		LOC (GS out)		Max Kts	MDA(H)
DA(H) 212' (200')		MDA(H) 580' (564')		90	640' (624') - 1
1		1 1/2		120	640' (624') - 1 3/4
		1 3/4		140	640' (624') - 2
All Non Skd		2		165	

Gnd speed-Kts	70	90	100	120	140	160			ACA	D7.0
GS	3.00°	377	484	538	646	753	861		115.9	115.9
MAP at VOR									R-271	ACA

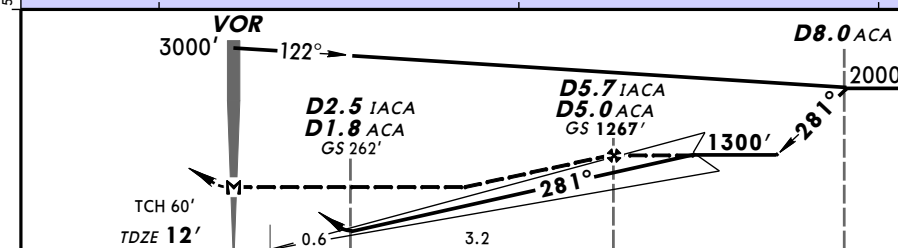
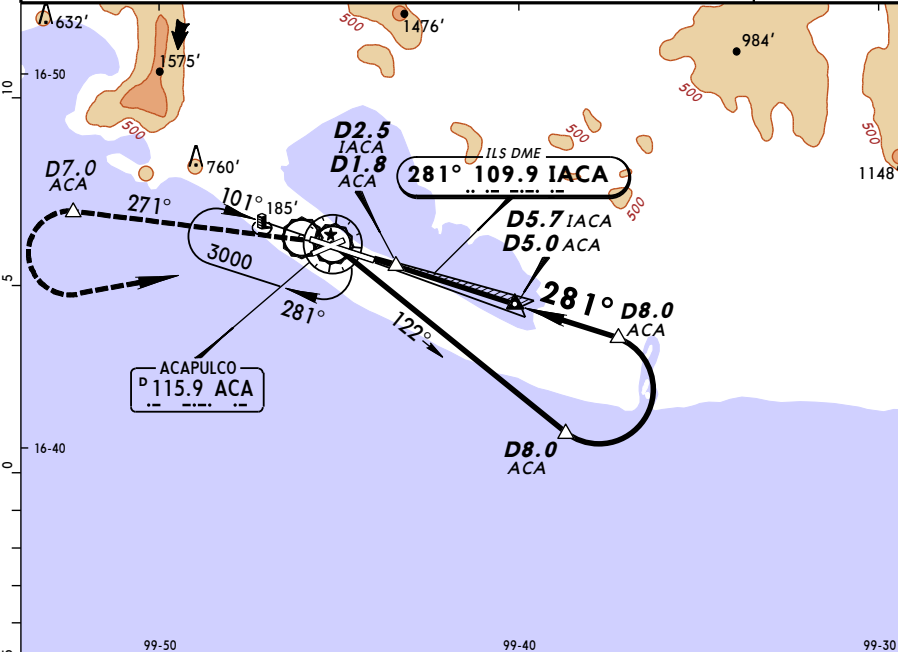
MMAA/ACA ACAPULCO, MEXICO  
GEN JUAN N ALVAREZ INTL 11 DEC 09 (11-3) ILS DME 1 or LOC Rwy 28

*ATIS		ACAPULCO Approach (R)		ACAPULCO Tower	
115.9		119.9		118.5 119.9	
LOC	Final	GS	ILS	Apt Elev 16'	
IACA	Apch Crs	D5.7 IACA D5.0 ACA	DA(H)	TDZE 12'	
109.9	281°	1267' (1255')	262' (250')		

MISSED APCH: Climb outbound on ACA VOR R-271 to D7.0 ACA with a teardrop turn to the LEFT within 10 NM to ACA VOR to the minimum holding altitude.

Alt Set: MB (IN on req) TDZ Elev: 0 MB Trans level: FL 195 Trans alt: 18500'

MSA ACA VOR



Gnd speed-Kts	70	90	100	120	140	160			ACA	D7.0
GS	3.00°	377	484	538	646	753	861		115.9	115.9
MAP at VOR									R-271	ACA

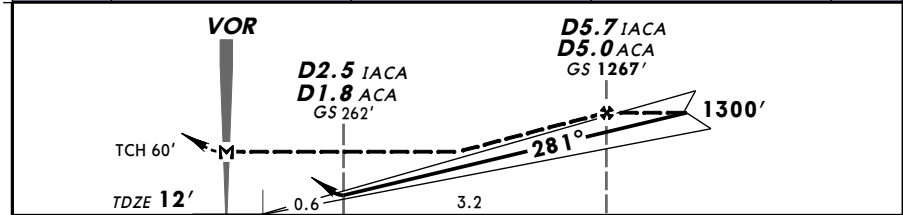
STRAIGHT-IN LANDING RWY28				CIRCLE-TO-LAND	
ILS		LOC (GS out)		Max Kts	MDA(H)
DA(H) 262' (250')		MDA(H) 500' (488')		90	580' (564') - 1
FULL		ALS out		120	580' (564') - 1 1/2
3/4		1		140	580' (564') - 2
1		1 1/4		165	

Gnd speed-Kts	70	90	100	120	140	160			ACA	D7.0
GS	3.00°	377	484	538	646	753	861		115.9	115.9
MAP at VOR									R-271	ACA



MMAA/ACA ACAPULCO, MEXICO  
GEN JUAN N ALVAREZ INTL ILS DME 2 or LOC Rwy 28

*ATIS		ACAPULCO Approach (R)		ACAPULCO Tower	
115.9		119.9		118.5 119.9	
LOC IACA 109.9	Final Apch Crs 281°	GS D5.7 IACA D5.0 ACA 1267' (1255')	DA(H) 262' (250')	Apt Elev 16'	TDZE 12'
<b>MISSED APCH:</b> Climb outbound on ACA VOR R-271 to D7.0 ACA with a teardrop turn to the LEFT within 10 NM to ACA VOR to the minimum holding altitude.					
Alt Set: MB (IN on req) TDZ Elev: 0 MB Trans level: FL 195 Trans alt: 18500' MSA ACA VOR					

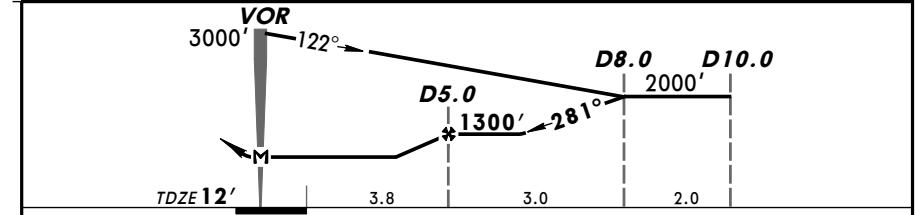
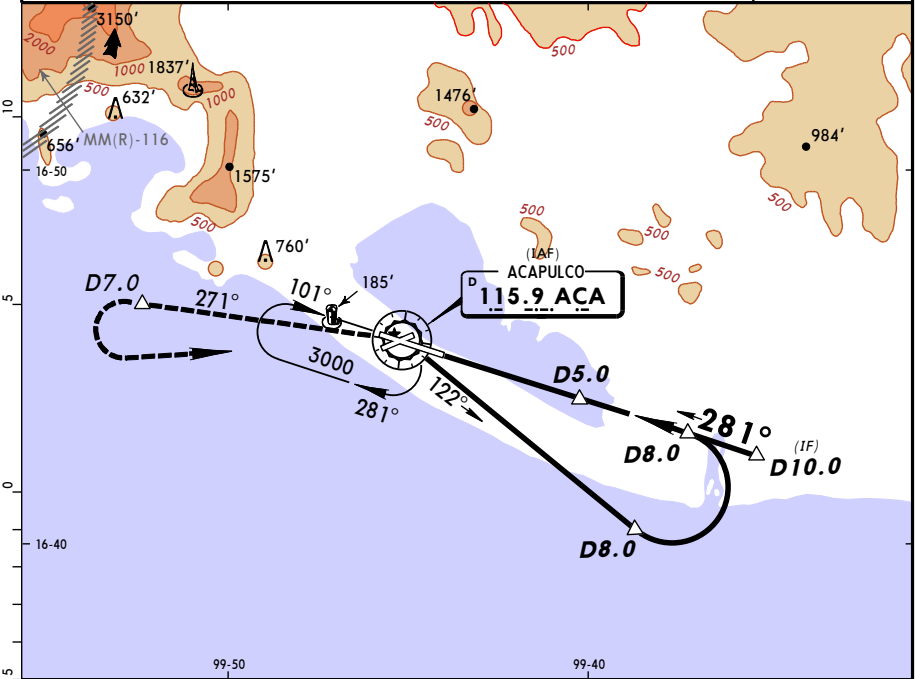


Gnd speed-Kts	70	90	100	120	140	160		ALS		ACA	
GS	3.00°	377	484	538	646	753	861			on 115.9 to D7.0	
MAP at VOR										R-271	ACA

STRAIGHT-IN LANDING RWY28				CIRCLE-TO-LAND	
ILS		LOC (GS out)			
DA(H) 262' (250')		MDA(H) 500' (488')			
FULL		ALS out			
A				Max Kts	MDA(H)
B				90	580' (564') - 1
C	3/4	1		120	580' (564') - 1 1/2
D				140	580' (564') - 1 1/2
All Non Skd	1	1 1/4		165	580' (564') - 2

MMAA/ACA ACAPULCO, MEXICO  
GEN JUAN N ALVAREZ INTL VOR DME 1 Rwy 28

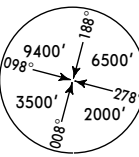
*ATIS		ACAPULCO Approach (R)		ACAPULCO Tower	
115.9		119.9		118.5 119.9	
VOR ACA 115.9	Final Apch Crs 281°	Minimum Alt D5.0 1300' (1288')	MDA(H) 500' (488')	Apt Elev 16'	TDZE 12'
<b>MISSED APCH:</b> Climb outbound on ACA VOR R-271 to D7.0 with a teardrop turn to the LEFT within 10 NM to ACA VOR to the minimum holding altitude.					
Alt Set: MB (IN on req) TDZ Elev: 0 MB Trans level: FL 195 Trans alt: 18500' MSA ACA VOR					

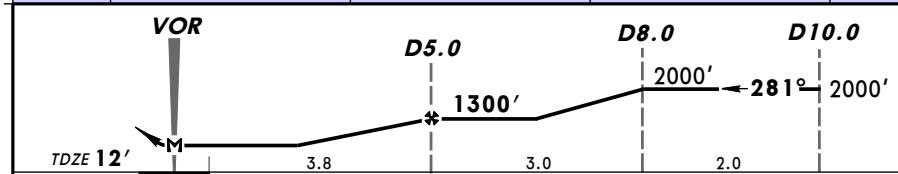
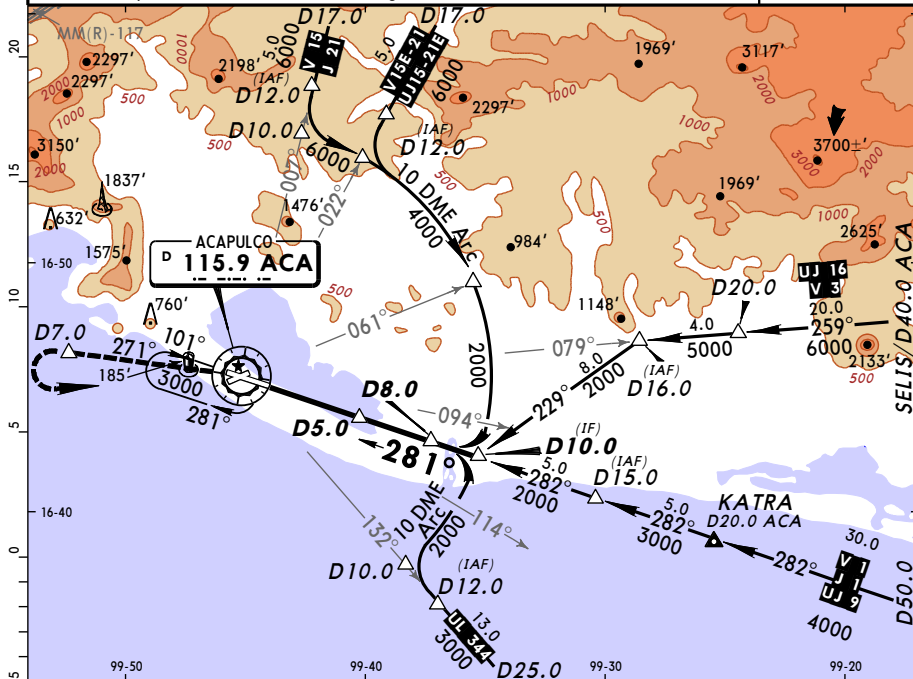


								ALS		ACA	
										on 115.9 to D7.0	
										R-271	ACA

STRAIGHT-IN LANDING RWY 28				CIRCLE-TO-LAND	
MDA(H) 500' (488')					
		ALS out			
A				Max Kts	MDA(H)
B	1			90	580' (564') - 1
C	1 1/4			120	580' (564') - 1 1/2
D	1 1/2			140	580' (564') - 1 1/2
				165	580' (564') - 2

**MMAA/ACA**  
GEN JUAN N ALVAREZ INTL  
**JEPPesen**  
11 DEC 09 **(13-2)** Eff 17 Dec  
**ACAPULCO, MEXICO**  
VOR DME 2 Rwy 28

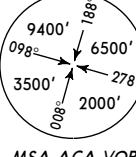
*ATIS		ACAPULCO Approach (R)		ACAPULCO Tower	
115.9		119.9		118.5 119.9	
VOR ACA <b>115.9</b>	Final Apch Crs <b>281°</b>	Minimum Alt <b>D5.0</b> <b>1300'</b> (1288')	MDA(H) <b>500'</b> (488')	Apt Elev 16' TDZE 12'	
<b>MISSED APCH:</b> Climb outbound on ACA VOR R-271 to D7.0 with a teardrop turn to the LEFT within 10 NM to ACA VOR to the minimum holding altitude.					
Alt Set: MB (IN on req) TDZ Elev: 0 MB Trans level: FL 195 Trans alt: 18500'					
1. In case of ACA DME failure at any point during this procedure, maintain last altitude and proceed to the station according to instructions from ATC.					
					
MSA ACA VOR					

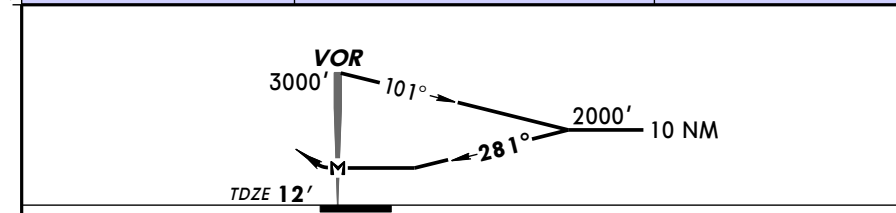
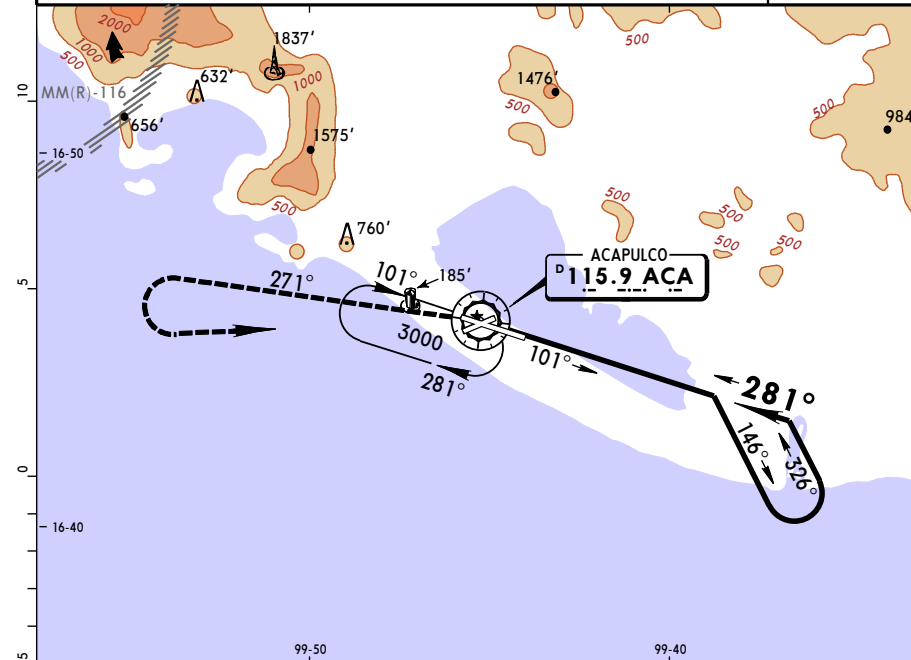


MAP at VOR		PAPI		ALS		ACA on 115.9 to D7.0	
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STRAIGHT-IN LANDING RWY 28			CIRCLE-TO-LAND		
MDA(H) <b>500'</b> (488')					
ALS out			MDA(H)		
A	1	Max Kts 90	580'(564')-1		
B	1 1/4	120	580'(564')-1 1/2		
C	1 1/2	140	580'(564')-2		
D	1 3/4	165			

**MMAA/ACA**  
GEN JUAN N ALVAREZ INTL  
**JEPPesen**  
11 DEC 09 **(13-3)** Eff 17 Dec  
**ACAPULCO, MEXICO**  
VOR Rwy 28

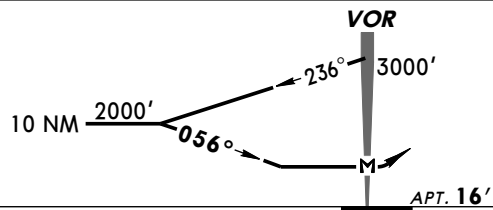
*ATIS		ACAPULCO Approach (R)		ACAPULCO Tower	
115.9		119.9		118.5 119.9	
VOR ACA <b>115.9</b>	Final Apch Crs <b>281°</b>	No FAF	MDA(H) <b>540'</b> (528')	Apt Elev 16' TDZE 12'	
<b>MISSED APCH:</b> Climb outbound on ACA VOR R-271 with a teardrop turn to the LEFT within 10 NM to ACA VOR to the minimum holding altitude.					
Alt Set: MB (IN on req) TDZ Elev: 0 MB Trans level: FL 195 Trans alt: 18500'					
					
MSA ACA VOR					



MAP at VOR		PAPI		ALS		ACA on 115.9 to D7.0	
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STRAIGHT-IN LANDING RWY 28			CIRCLE-TO-LAND		
MDA(H) <b>540'</b> (528')					
ALS out			MDA(H)		
A	1	Max Kts 90	580'(564')-1		
B	1 1/4	120	580'(564')-1 1/2		
C	1 1/2	140	580'(564')-2		
D	1 3/4	165			

ACAPULCO, MEXICO  
VOR-A



			CIRCLE-TO-LAND
		Max Kts.	_____ <i>MDA(H)</i> _____
	A	90	<b>580'</b> (564')- 1
	B	120	
	C	140	<b>580'</b> (564')- 1½/2
	D	165	<b>580'</b> (564')- 2