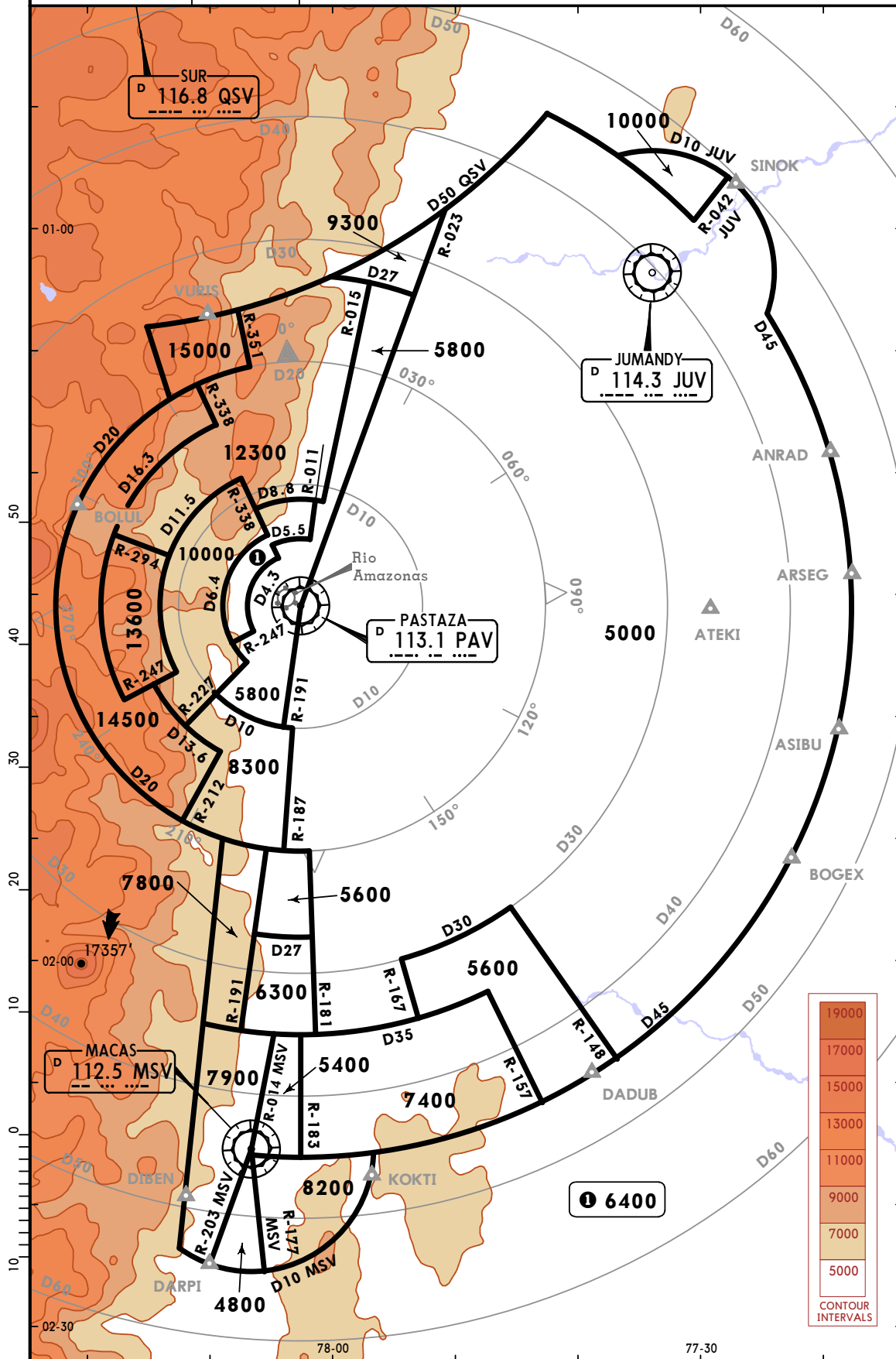


*SHELL Approach
119.5

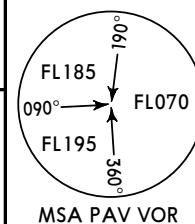
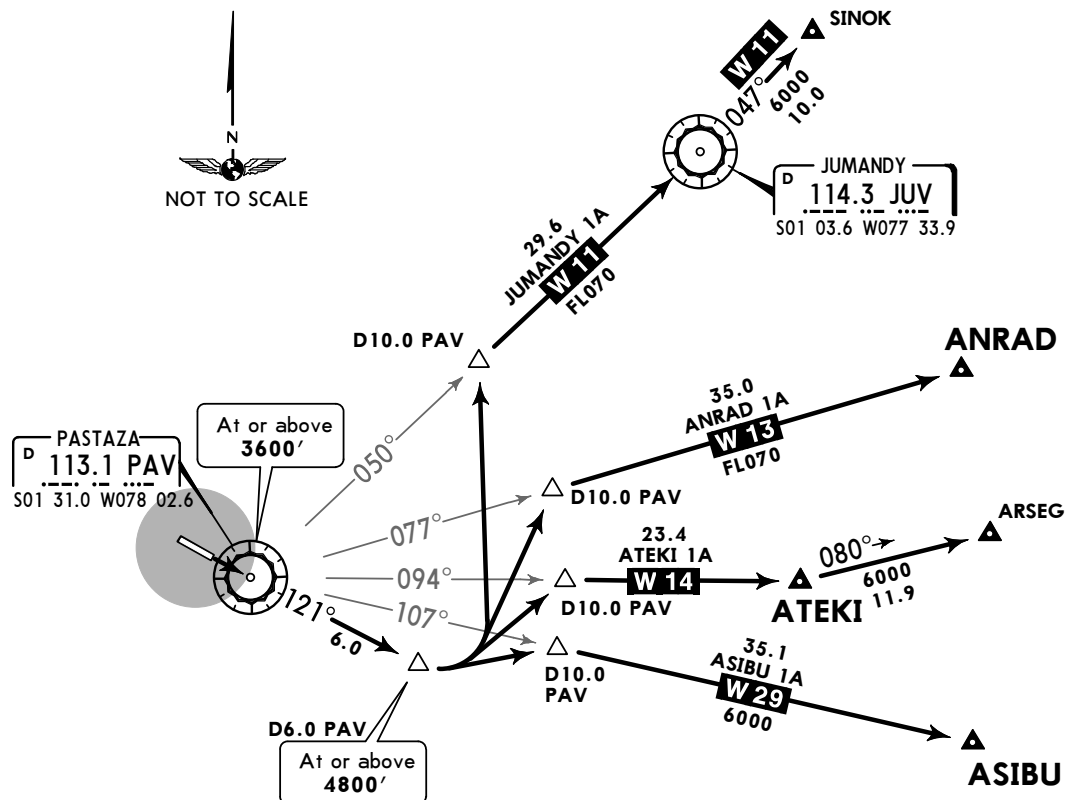
Apt Elev
3464'

Alt set: hPa Trans level: By ATC Trans alt: 6000'
This chart should only be used to verify altitudes assigned with RADAR
vector control.



Apt Elev
3464'

Trans level: By ATC Trans alt: 6000'

ANRAD 1A [ANRA1A], ASIBU 1A [ASIB1A]
ATEKI 1A [ATEK1A]
JUMANDY 1A (JUV 1A) [JUV1A]
DEPARTURES
(RWY 12)These SIDs require take-off minimums:
Ceiling 200m, Visibility 2700m.

Altitude at distance from PAV VOR/DME

PAV DME	0	1	2	3	4	5	6
ALTITUDE	3600	3800	4000	4200	4400	4600	4800

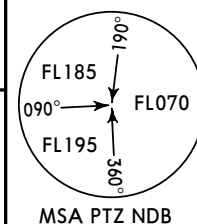
INITIAL CLIMB

After take-off proceed direct to PAV VOR and cross at or above 3600', continue climbing on course 121° (PAV R-121) to D6.0 PAV, cross at or above 4800'.

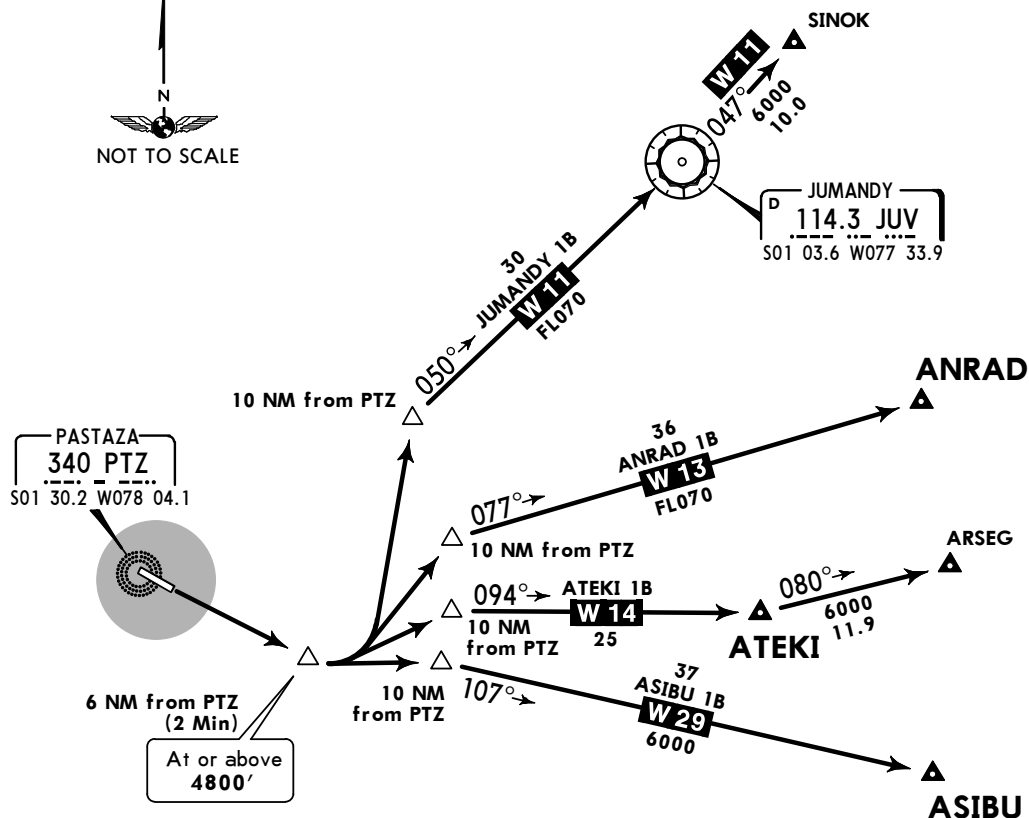
SID	ROUTING
ANRAD 1A	At D6.0 PAV, turn LEFT to intercept PAV R-077 (course 077°) at D10.0 PAV, airway W-13 to ANRAD. Or proceed according to ATC instructions.
ASIBU 1A	At D6.0 PAV, turn LEFT to intercept PAV R-107 (course 107°) at D10.0 PAV, airway W-29 to ASIBU. Or proceed according to ATC instructions.
ATEKI 1A	At D6.0 PAV, turn LEFT to intercept PAV R-094 (course 094°) at D10.0 PAV, airway W-14 to ATEKI. Or proceed according to ATC instructions.
JUMANDY 1A	At D6.0 PAV, turn LEFT to intercept PAV R-050 (course 050°) at D10.0 PAV, airway W-11 to JUV VOR. Or proceed according to ATC instructions.

Apt Elev
3464'

Trans level: By ATC Trans alt: 6000'



ANRAD 1B [ANRA1B], ASIBU 1B [ASIB1B]
ATEKI 1B [ATEK1B]
JUMANDY 1B (JUV 1B) [JUV1B]
DEPARTURES
(RWY 12)



These SIDs require take-off minimums:
Ceiling 200m, Visibility 2700m.

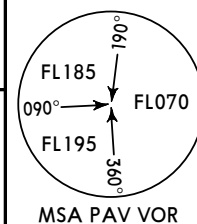
INITIAL CLIMB

After take-off MAINTAIN runway heading in climb to report at 6 NM from PTZ NDB (2 min) at or above 4800'.

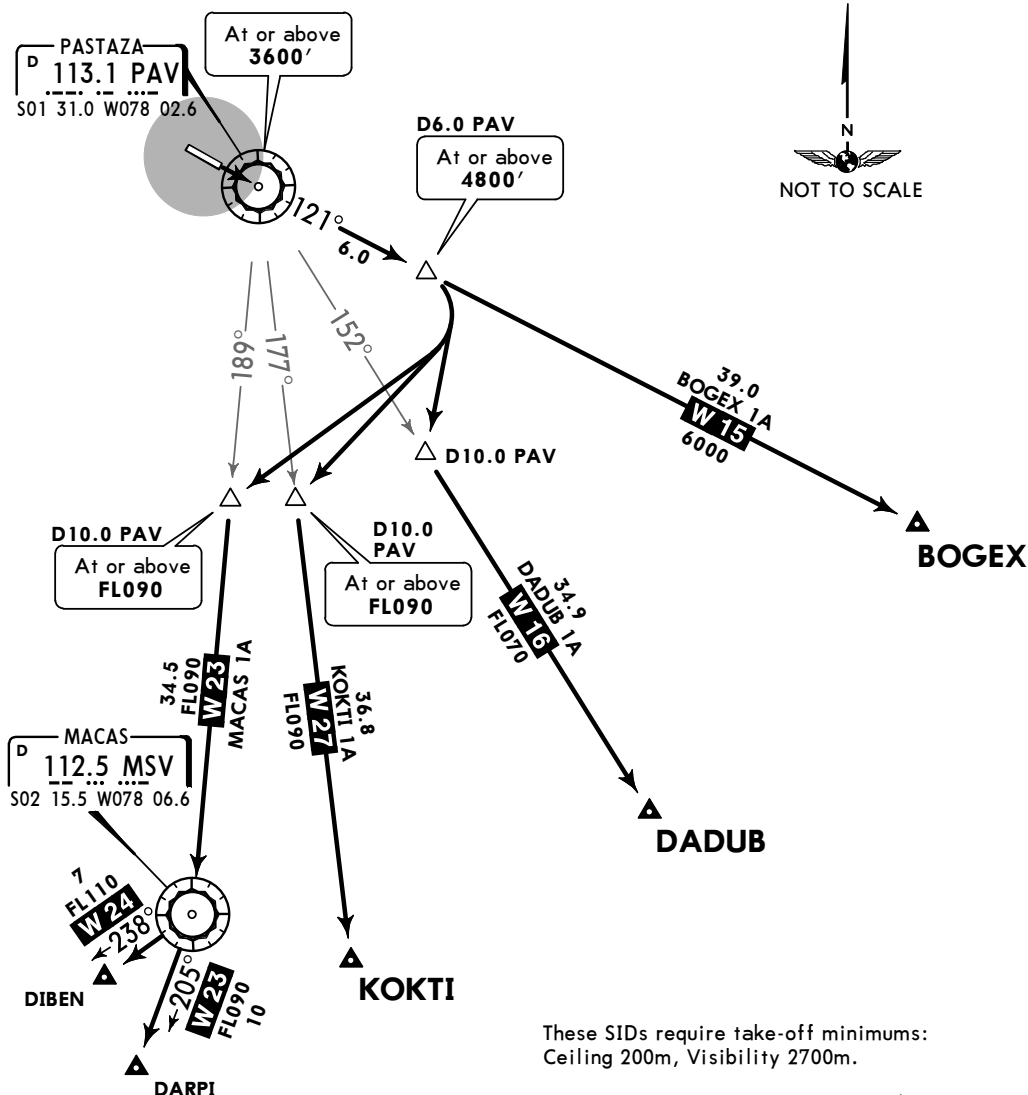
SID	ROUTING
ANRAD 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-13 at 10 NM from PTZ NDB to ANRAD. Or proceed according to ATC instructions.
ASIBU 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-29 at 10 NM from PTZ NDB to ASIBU. Or proceed according to ATC instructions.
ATEKI 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-14 at 10 NM from PTZ NDB to ATEKI. Or proceed according to ATC instructions.
JUMANDY 1B	At 6 NM from PTZ NDB, turn LEFT to intercept airway W-11 at 10 NM from PTZ NDB to JUV VOR. Or proceed according to ATC instructions.

Apt Elev
3464'

Trans level: By ATC Trans alt: 6000'



**BOGEX 1A [BOGE1A], DADUB 1A [DADU1A]
KOKTI 1A [KOKT1A]
MACAS 1A (MSV 1A) [MSV1A]
DEPARTURES
(RWY 12)**



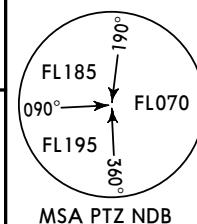
INITIAL CLIMB

After take-off proceed direct to PAV VOR and cross at or above 3600', continue climbing on course 121° (PAV R-121) to D6.0 PAV, cross at or above 4800'.

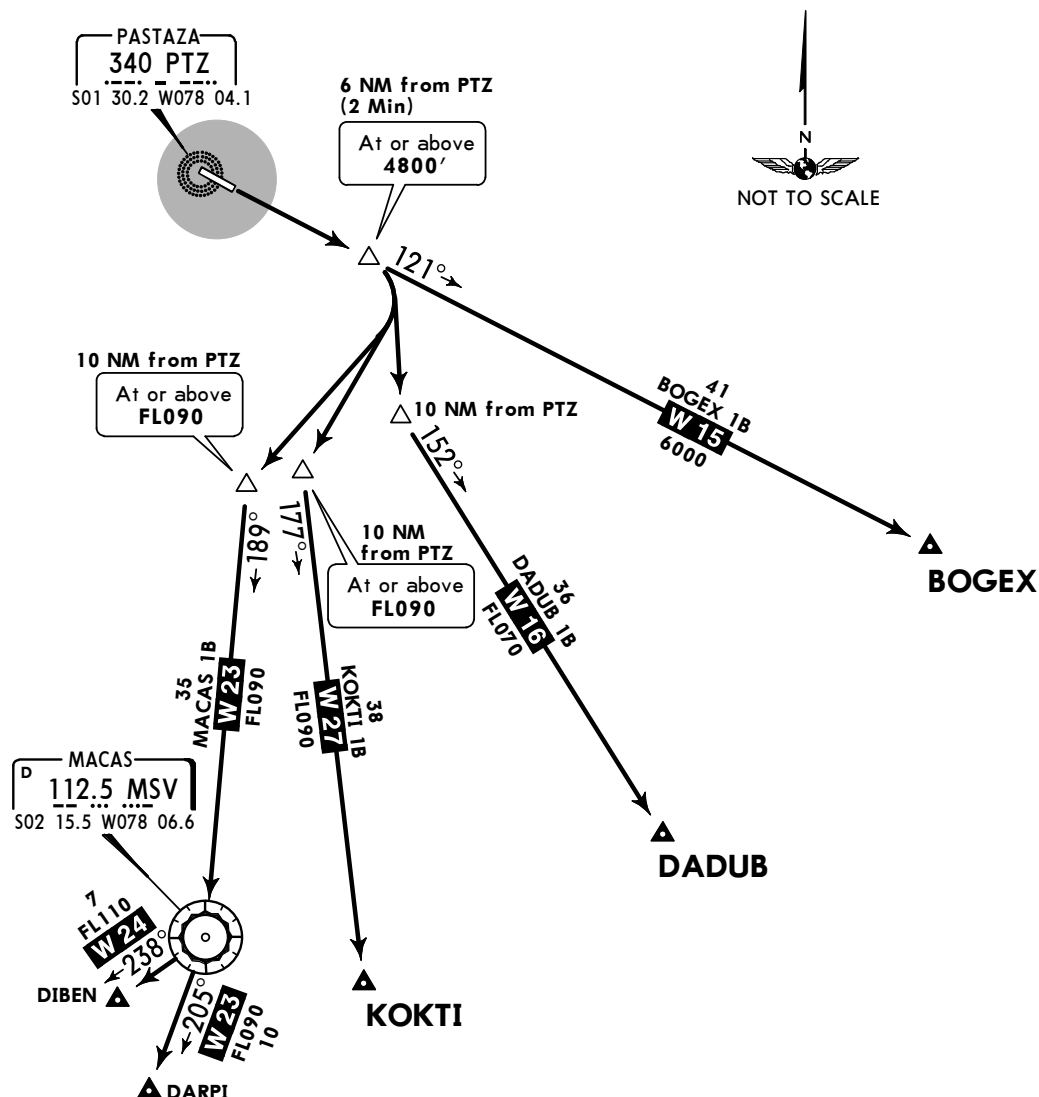
SID	ROUTING
BOGEX 1A	At D6.0 PAV, MAINTAIN PAV R-121 (course 121°), airway W-15 to BOGEX. Or proceed according to ATC instructions.
DADUB 1A	At D6.0 PAV, turn RIGHT to intercept PAV R-152 (course 152°) at D10.0 PAV, airway W-16 to DADUB. Or proceed according to ATC instructions.
KOKTI 1A	At D6.0 PAV, turn RIGHT to intercept PAV R-177 (course 177°) at D10.0 PAV at or above FL090, airway W-27 to KOKTI. Or proceed according to ATC instructions.
MACAS 1A	At D6.0 PAV, turn RIGHT to intercept PAV R-189 (course 189°) to D10.0 PAV at or above FL090, airway W-23 to MSV VOR. Or proceed according to ATC instructions.

Apt Elev
3464'

Trans level: By ATC Trans alt: 6000'



**BOGEX 1B [BOGE1B], DADUB 1B [DADU1B]
KOKTI 1B [KOKT1B]
MACAS 1B (MSV 1B) [MSV1B]
DEPARTURES
(RWY 12)**



These SIDs require take-off minimums:
Ceiling 200m, Visibility 2700m.

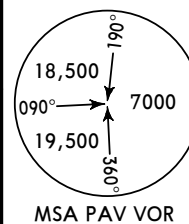
INITIAL CLIMB

After take-off MAINTAIN runway heading in climb to report at 6 NM from PTZ NDB (2 min) at or above 4800'.

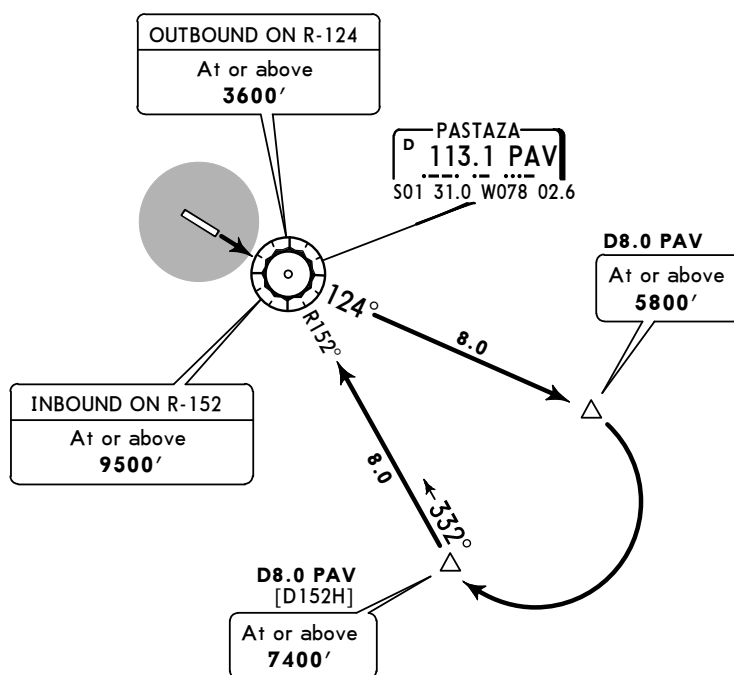
SID	ROUTING
BOGEX 1B	At 6 NM from PTZ NDB, MAINTAIN course 121°, airway W-15 to BOGEX. Or proceed according to ATC instructions.
DADUB 1B	At 6 NM from PTZ NDB, turn RIGHT to intercept airway W-16 at 10 NM from PTZ NDB to DADUB. Or proceed according to ATC instructions.
KOKTI 1B	At 6 NM from PTZ NDB, turn RIGHT to intercept airway W-27 at 10 NM from PTZ NDB at or above FL090. Airway W-27 to KOKTI. Or proceed according to ATC instructions.
MACAS 1B	At 6 NM from PTZ NDB, turn RIGHT to intercept airway W-23 at 10 NM from PTZ NDB at or above FL090, airway W-23 to MSV VOR. Or proceed according to ATC instructions.

Apt Elev
3464'

Trans level: By ATC Trans alt: 6000'



PASTAZA VOR 1B DEPARTURE [PAV1B] (RWY 12)



This SID requires take-off minimums:
Ceiling 200m, Visibility 2700m.
This SID requires a minimum climb gradient
of 4.5% (273' per NM).

Gnd speed-KT	75	100	150	200	250	300
4.5% (V/V fpm)	342	456	684	911	1139	1367

Altitude at distance from PAV VOR/DME

PAV DME	0	1	2	3	4	5	6	7	8
ALTITUDE	3600	3870	4150	4420	4700	4970	5240	5520	5800

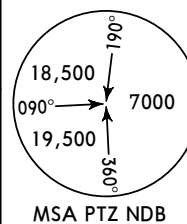
INITIAL CLIMB

After take-off proceed direct to PAV VOR, cross at or above 3600', continue climb on course 124° (PAV R-124) to D8.0 PAV, cross at or above 5800', turn RIGHT to intercept PAV R-152 (course 332°) at D8.0 PAV at or above 7400', proceed to PAV VOR, cross at or above 9500'. Then proceed according to ATC instructions.

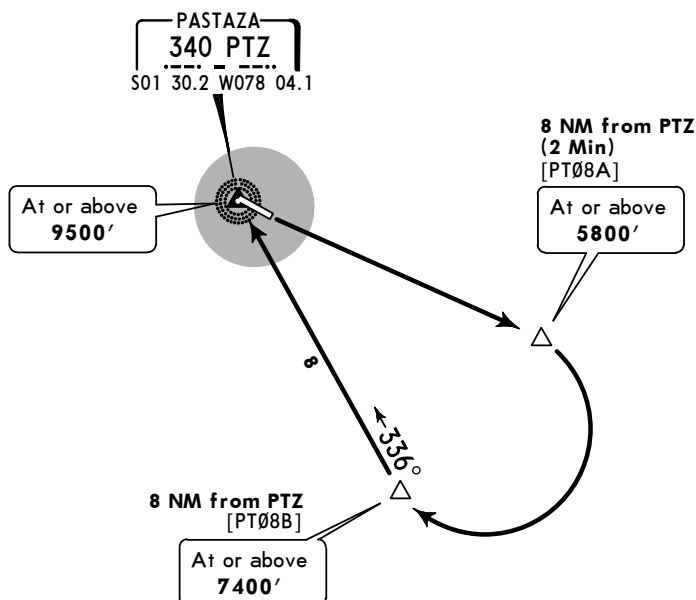


Apt Elev
3464'

Trans level: By ATC Trans alt: 6000'



PASTAZA NDB 1B DEPARTURE [PTZ1B] (RWY 12)

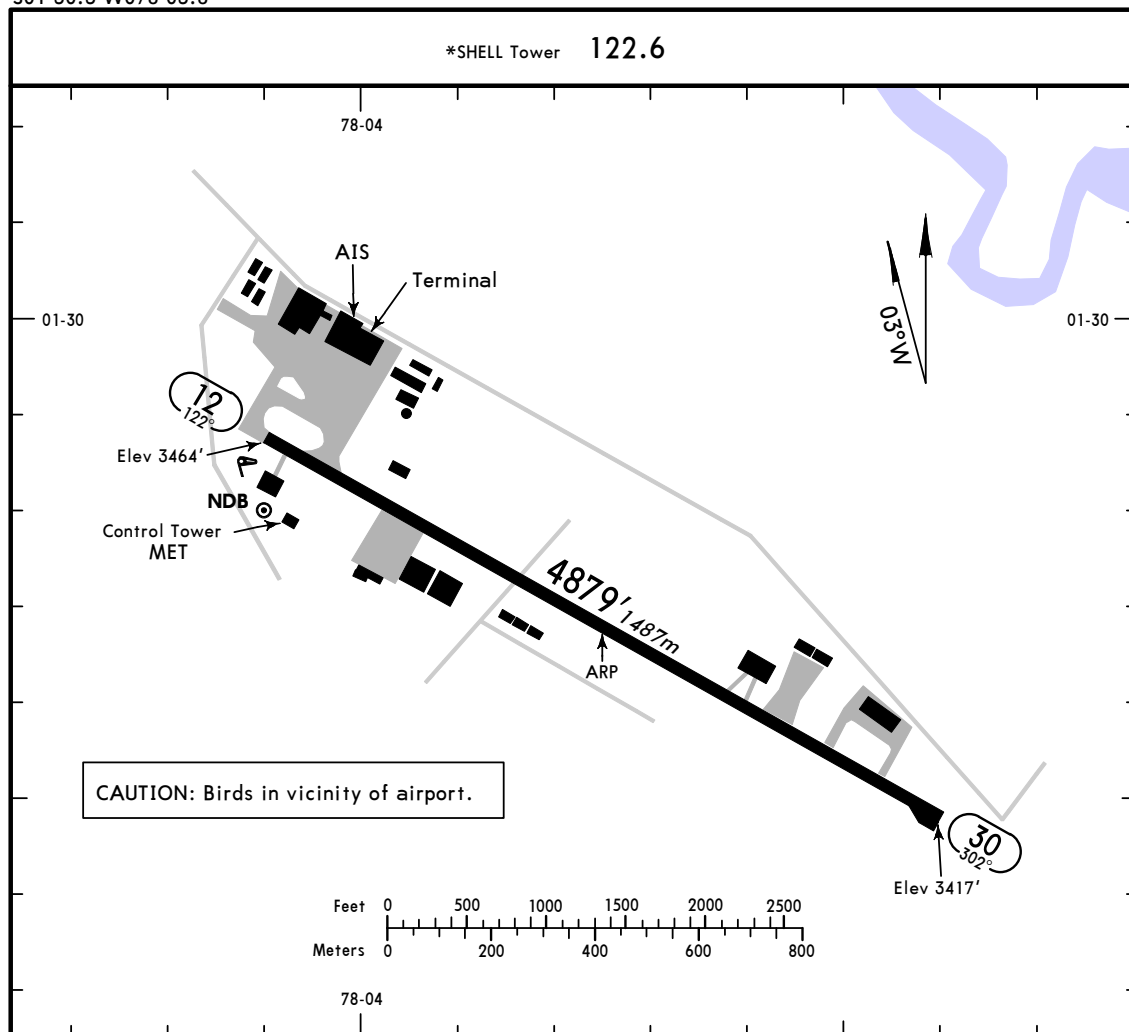


This SID requires take-off minimums:
Ceiling 200m, Visibility 2700m.
This SID requires a minimum climb gradient
of 4.5% (273' per NM).

Gnd speed-KT	75	100	150	200	250	300
4.5% (V/V fpm)	342	456	684	911	1139	1367

INITIAL CLIMB

After take-off, MAINTAIN runway heading in climb to 8 NM from PTZ (2 min) cross at or above 5800'.
Turn RIGHT course 336° at 8 NM from PTZ at or above 7400'. Proceed to PTZ NDB, and cross at or above
9500', then proceed according to ATC instructions.



ADDITIONAL RUNWAY INFORMATION

RWY		USABLE LENGTHS		TAKE-OFF	WIDTH
		LANDING BEYOND Threshold	Glide Slope		
12	30				75' 23m

TAKE-OFF

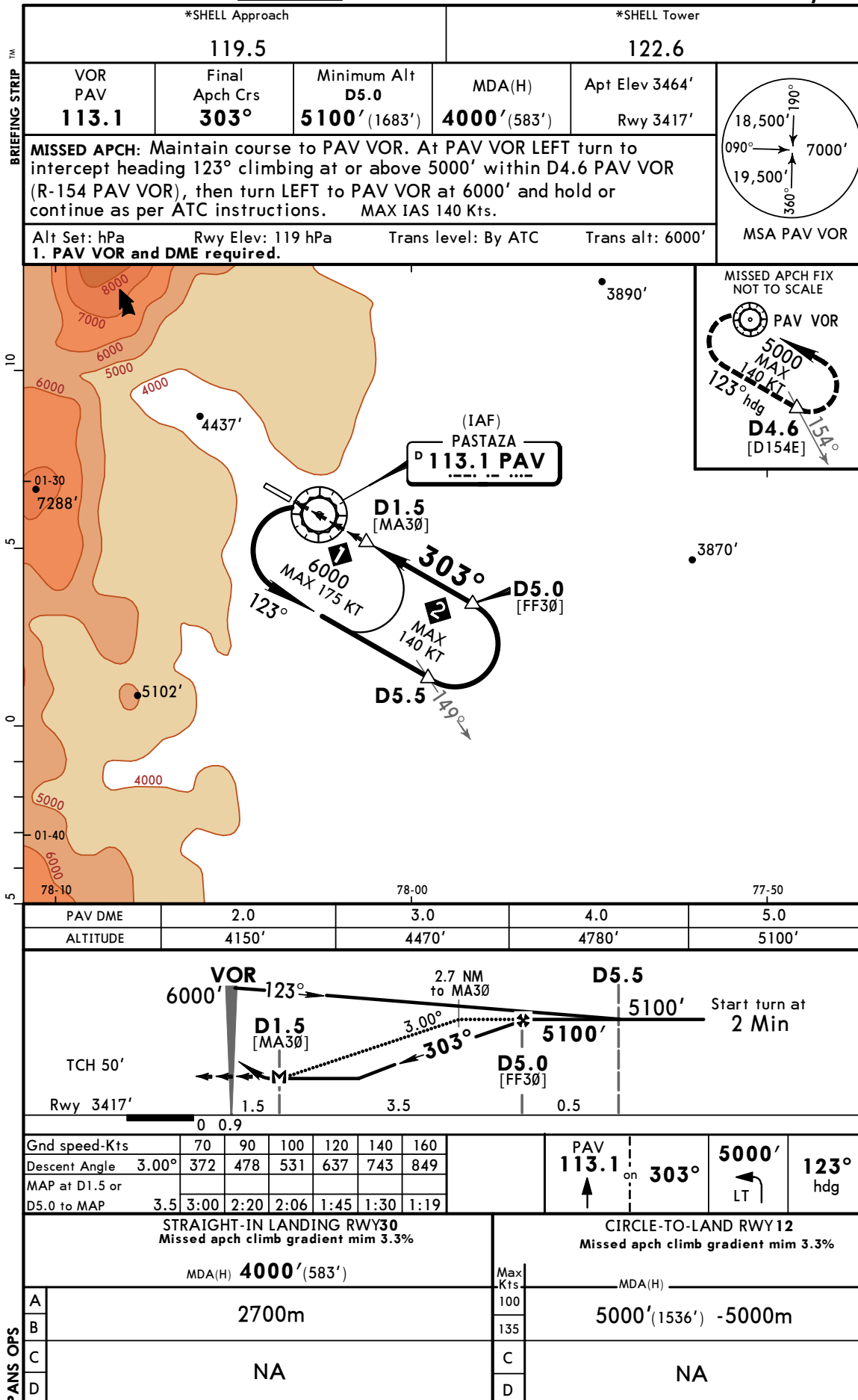
	Rwy 12	Rwy 30	
1 & 2 Eng	200m -3.6 km	NA	
3 & 4 Eng			

SESM/PTZ
RIO AMAZONAS

JEPPESEN
8 SEP 17
Eff 14 Sep 13-1

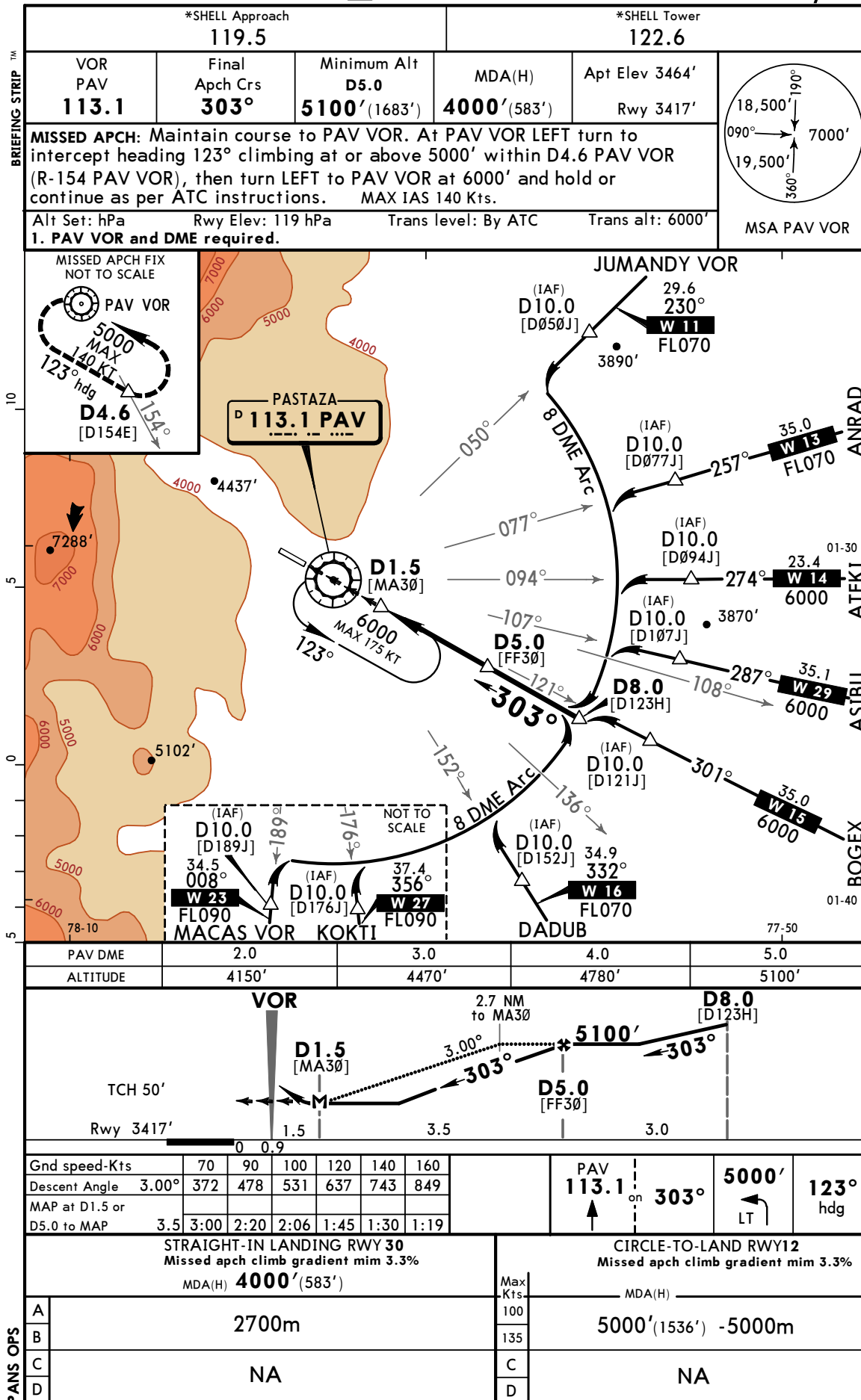
CAT A & B
MISSED APCH CLIMB
GRADIENT MIN 3.3%

SHELL, ECUADOR
VOR Z Rwy 30



CHANGES: Procedure.

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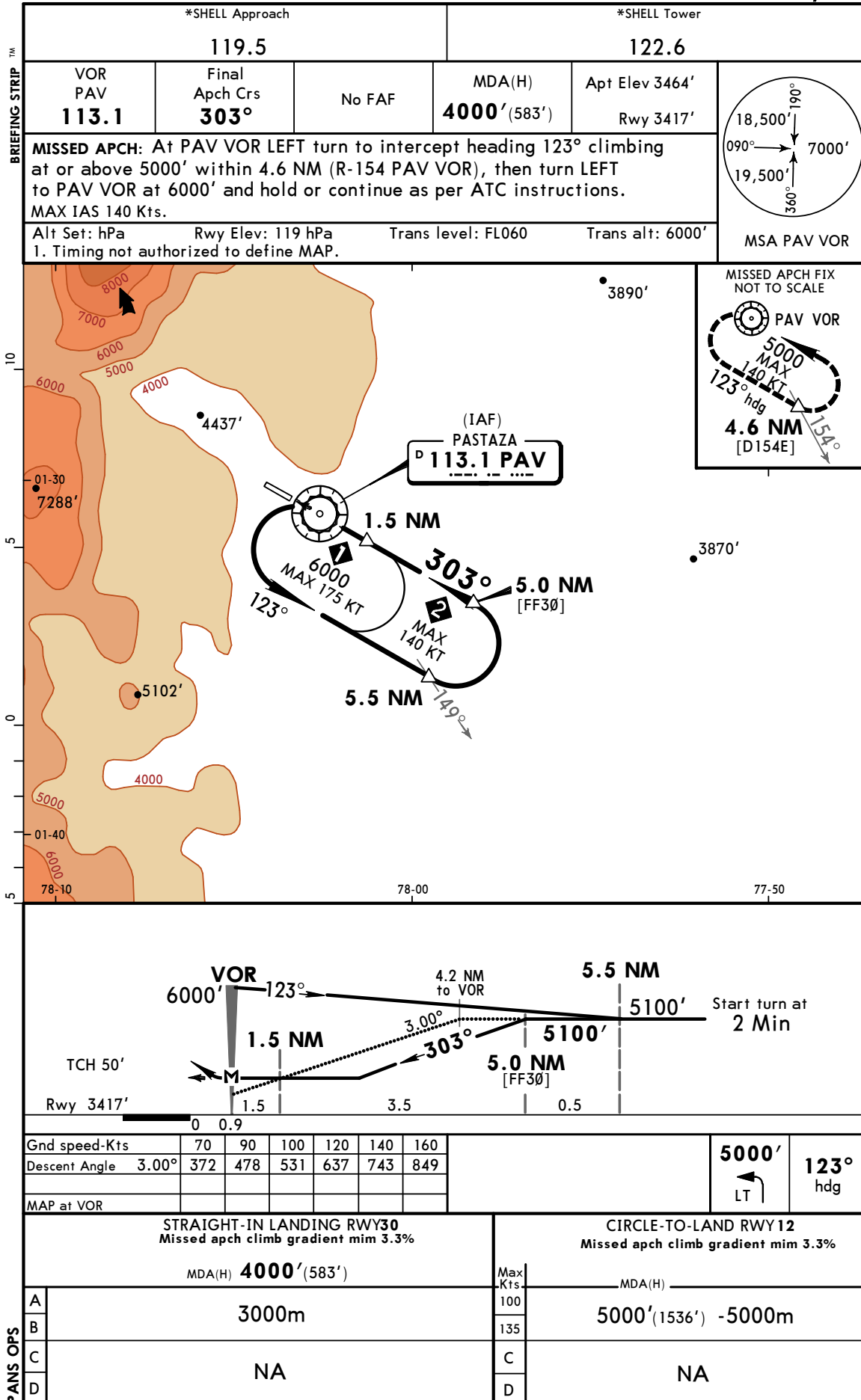


SESM/PTZ
RIO AMAZONAS

JEPPESSEN
8 SEP 17
Eff 14 Sep 13-3

CAT A & B
MISSED APCH CLIMB
GRADIENT MIM 3.3%

SHELL, ECUADOR
VOR X Rwy 30



CHANGES: Procedure, minimums.

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SESM/PTZ RIO AMAZONAS

JEPPESEN
8 SEP 17
Eff 14 Sep (16-1)

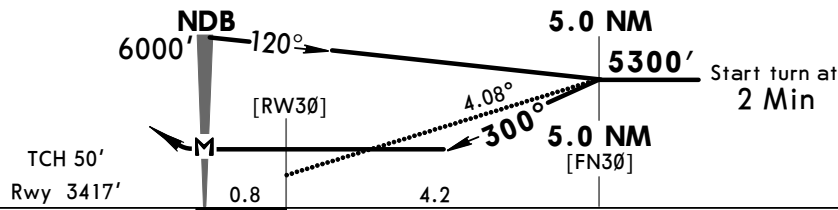
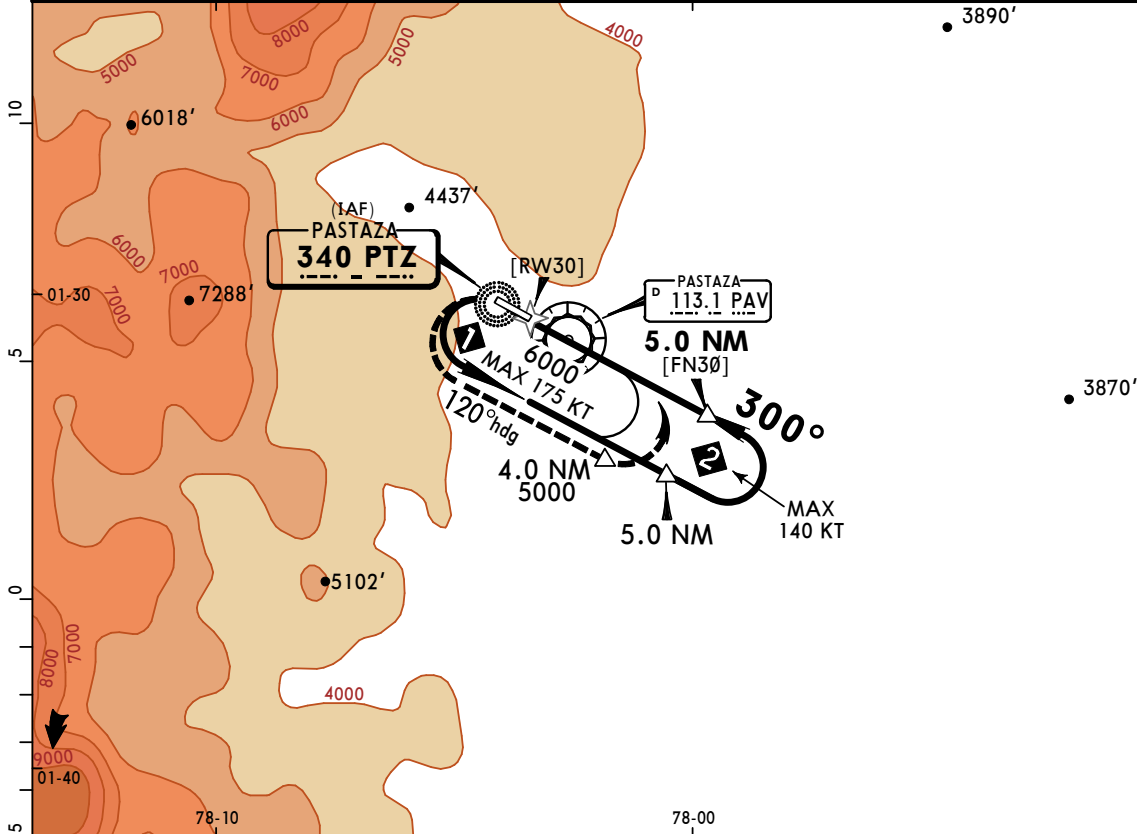
CAT A & B
MISSED APCH CLIMB
GRADIENT MIN 3.3%

SHELL, ECUADOR
NDB Rwy 30

BRIEFING STRIP™

*SHELL Approach				*SHELL Tower	
119.5				122.6	
NDB PTZ 340	Final Apch Crs 300°	No FAF	MDA(H) 4600' (1183')	Apt Elev 3464' Rwy 3417'	<p>18,500' 190° 090° → 7000' 19,500' 360°</p>
MISSED APCH: At PTZ NDB LEFT turn to intercept heading 120° climbing at or above 5000' within 4 NM, then turn LEFT to PTZ NDB at 6000' and hold or continue as per ATC instructions. MAX IAS 140 Kts.					
Alt Set: hPa Rwy Elev: 119 hPa Trans level: By ATC Trans alt: 6000' 1. Timing not authorized to define the MAP.					

MSA PTZ NDB



Gnd speed-Kts	70	90	100	120	140	160
Descent Angle	4.08°	506	650	722	867	1011
MAP at NDB						

5000'
LT
120°
hdg

STRAIGHT-IN LANDING RWY 30
Missed apch climb gradient min 3.3%
MDA(H) **4600'** (1183')

CIRCLE-TO-LAND RWY 12
Missed apch climb gradient min 3.3%
Max Kts. _____ MDA(H) _____

A	4000m
B	4000m
C	NA
D	NA

100	5000' (1536') - 5000m
135	5000' (1536') - 5000m
C	NA
D	NA