

GENERAL**Operational Hours****ATS Hours / AD OPS Hours:** HJ**AD ADMIN Hours:** MON-FRI 1300-2130, except HOL**Airport Information****RFF:** CAT 6**PCN:** RWY 01/19: 52/F/D/W/T**Customs:** Not AVBL**Warnings**

Birds in vicinity of AD.

ARRIVAL**Speed**

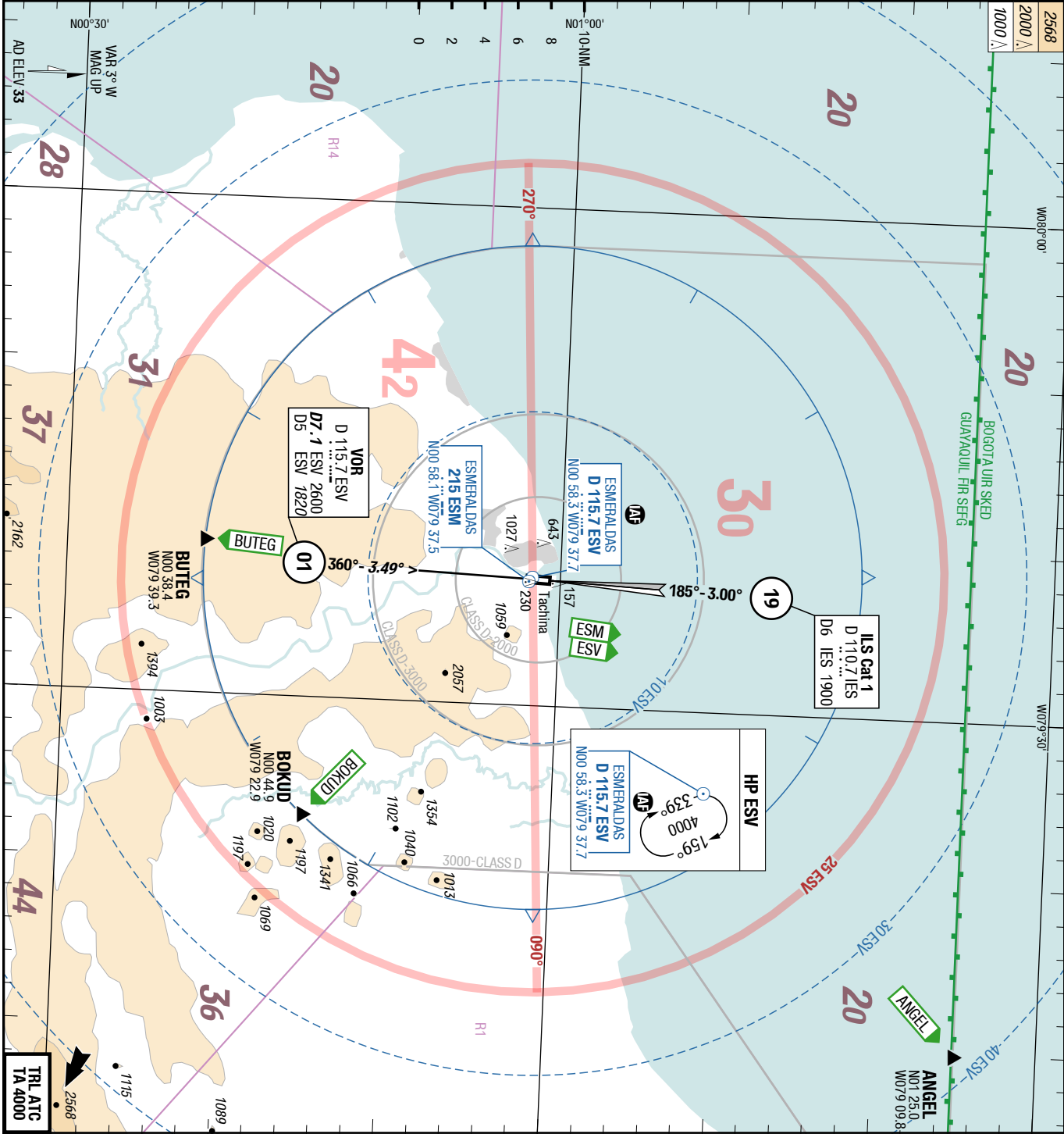
MAX IAS 250KT below FL100 within airspace classes D, E and G.

DEPARTURE**Take-off Minima**

RWY		01/19	
A, B, C	ft - m/km	c330 - 1.3V	-
D		Not applicable	-

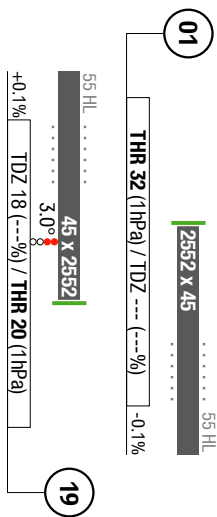
Speed

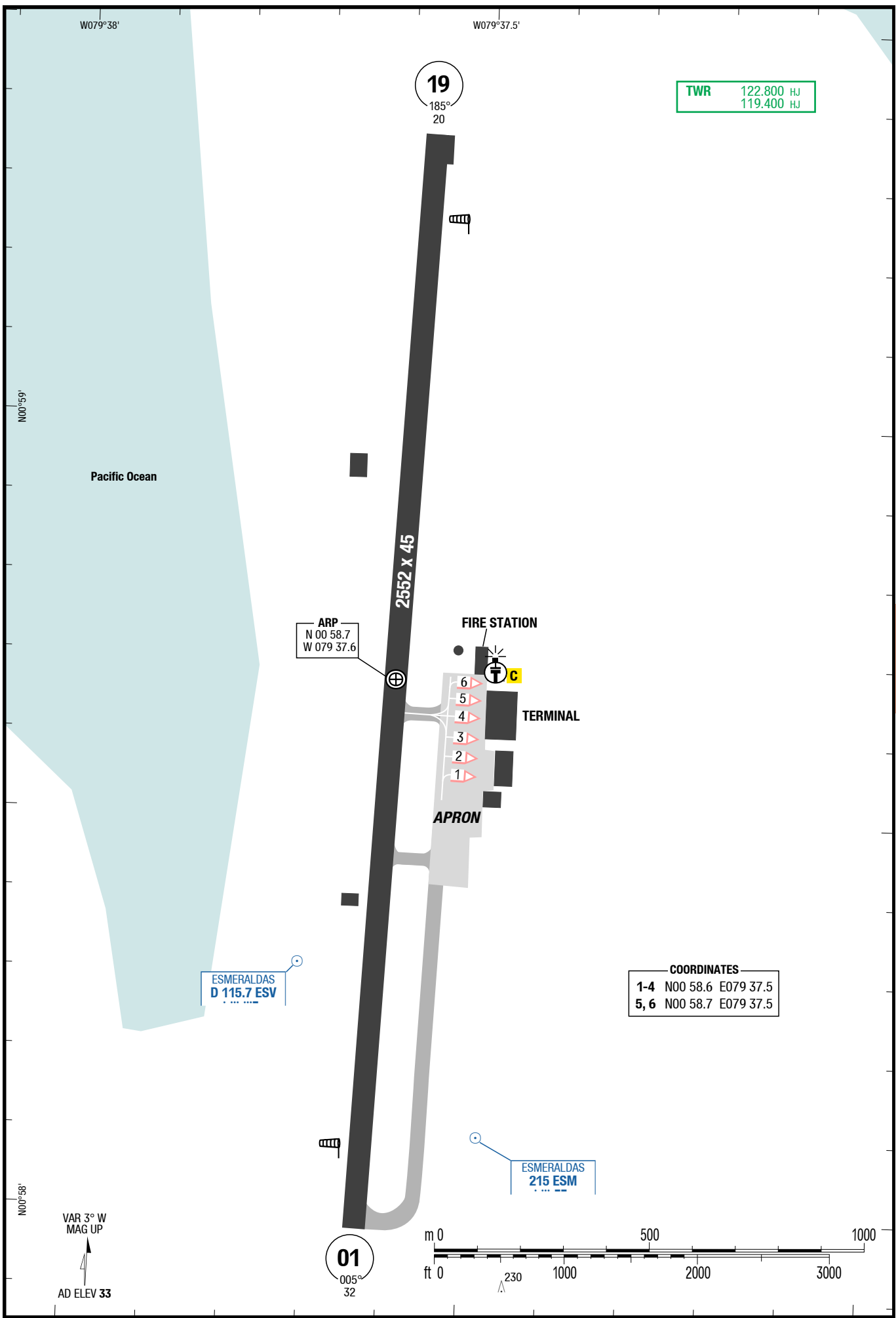
MAX IAS 250KT below FL100 within airspace classes D, E and G.



APP	119.800	HU
TWR	122.650	HU
	122.800	HU
	119.400	HU

Landing RWY system:





Ecuador **Tachina** Coronel Carlos Concha Torres

D

SID

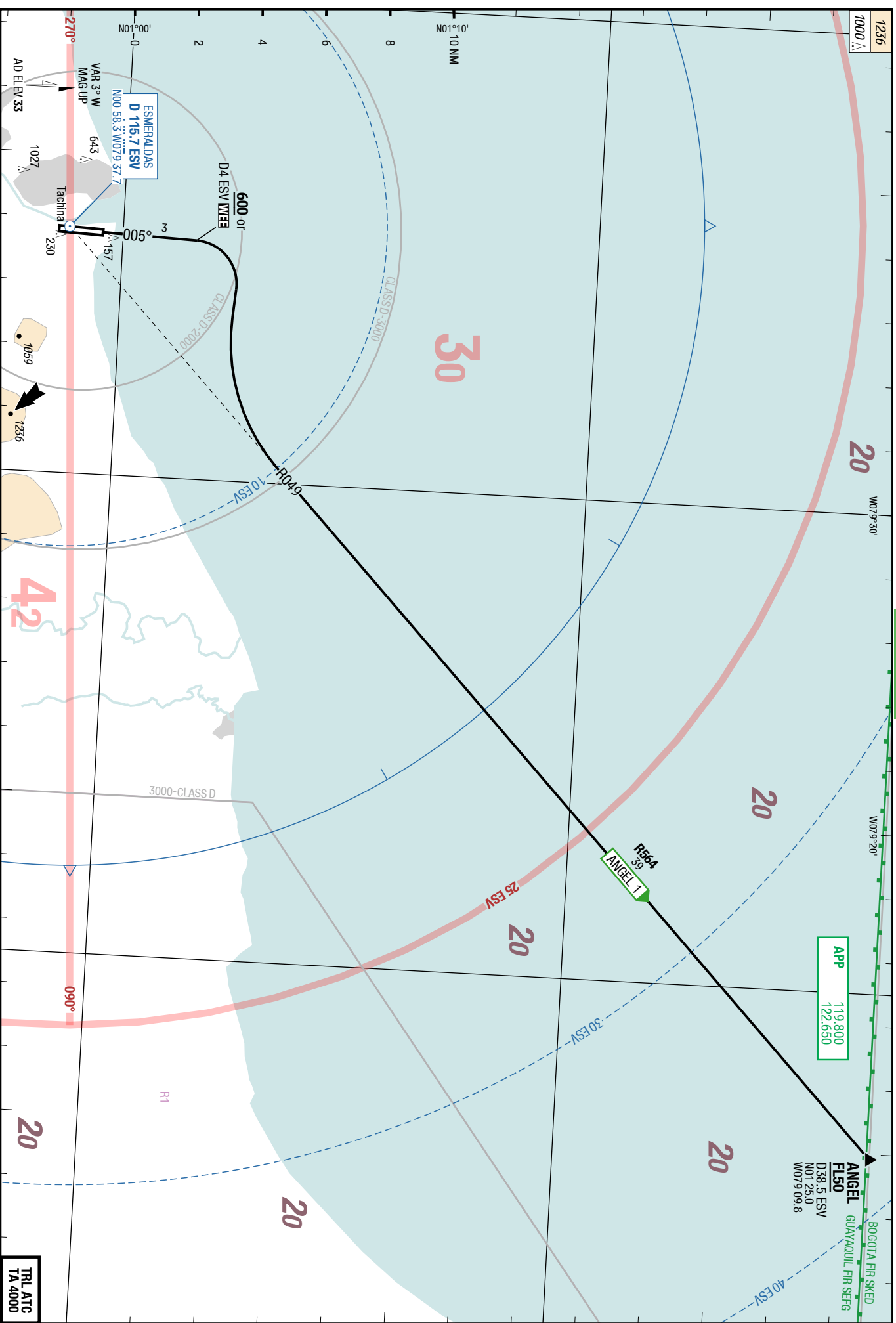
Coronel Carlos Concha Torres **Tachina** Ecuador
BUTEG 1

BUTEG 1

4-10

ANGEL 1

ANGEL 1



Changes: RWY Designator, OBST, Editorial

29-DEC-2016

ESM-SETN

Ecuador **Tachina** Coronel Carlos Concha Torres

4-20

BUTEG 1

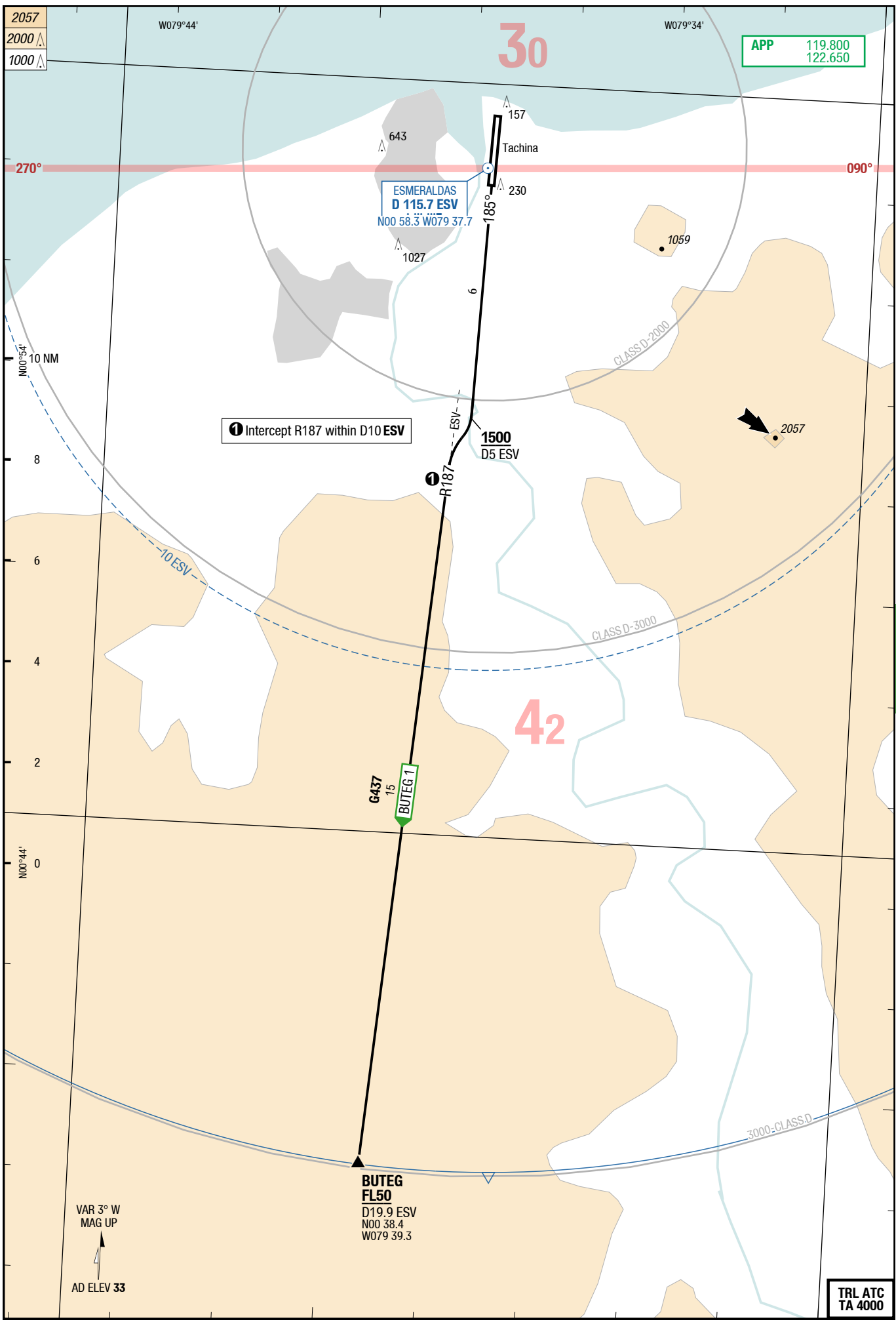
SID

SID

Coronel Carlos Concha Torres **Tachina** Ecuador

BUTEG 1

Changes: RMY Designator, OBST



ESM-SETN

ESMERALDAS 1 (ESM 1)

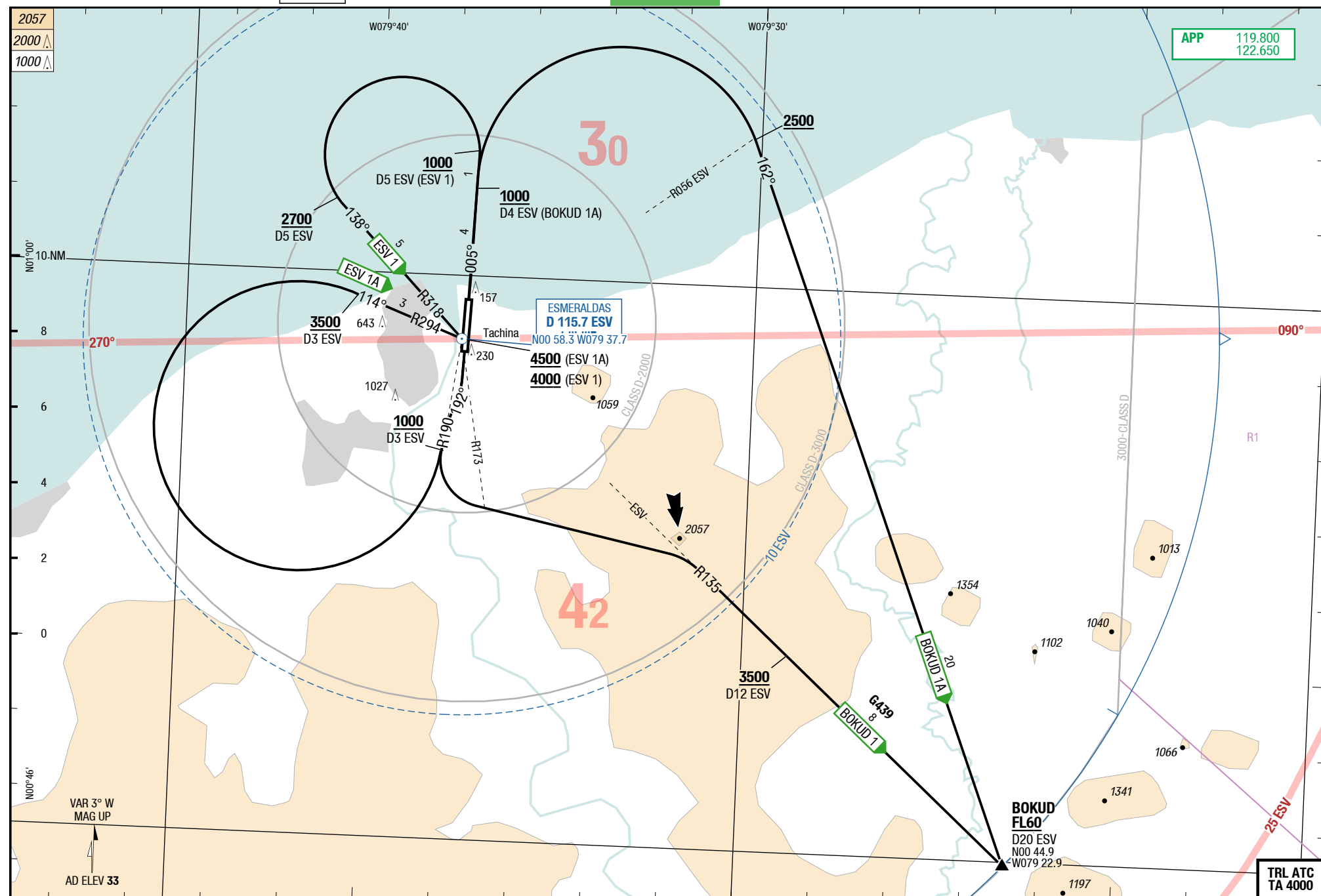
4-30

SIDs ESV 1/ESV 1A/BOKUD 1/BOKUD 1A

SID

SID

ESMERALDAS 1 (ESM 1)

SIDs ESV 1/ESV 1A/BOKUD 1/BOKUD 1A

Changes: RWY Designator, OBST

© Lido 2016

ESM-SETN

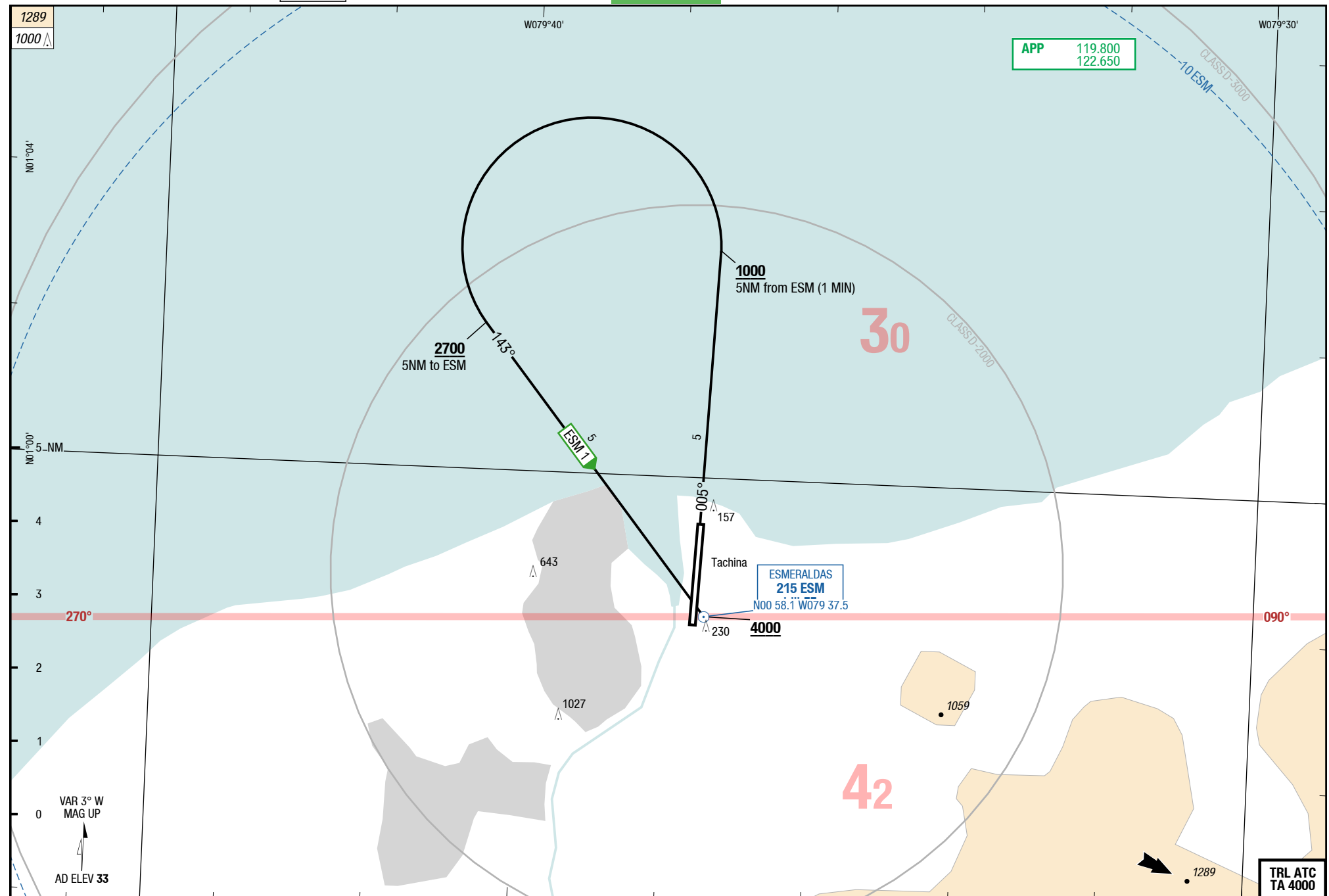
4-40

ESMERALDAS 1 (ESM 1)

SID

SID

ESMERALDAS 1 (ESM 1)



Changes: RWY Designator, OBST

© Lido 2016

ANGEL 1

RWY 01 (005°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
ANGEL 1 119.800	at MNM 600 or D4 ESV , whichever is earlier, RT intercept R049 ESV to ANGEL	ANGEL MNM FL50

BUTEG 1

RWY 19 (185°)

	GS	120	150	180	210	240	270
5.2%	ft/MIN	700	800	1000	1200	1300	1500

DESIGNATOR	ROUTING	ALTITUDES
	Runway 19	
BUTEG 1 5.2% to 1500 119.800	at D5 ESV RT intercept R187 ESV (within D10 ESV) to BUTEG	D5 ESV MNM 1500 BUTEG MNM FL50

29-DEC-2016

ESM-SETN**5-30****SIDs ESV 1/ESV 1A/BOKUD 1/BOKUD 1A****SIDPT****BOKUD 1A / ESMERALDAS 1 / BOKUD 1 / ESMERALDAS 1A**

RWYs 01 (005°) / 19 (185°)

	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

DESIGNATOR	ROUTING	ALTITUDES
	Runway 01	
BOKUD 1A 5.0% 119.800	at D4 ESV RT 162° to BOKUD	D4 ESV MNM 1000 R056 ESV MNM 2500 BOKUD MNM FL60
ESMERALDAS 1 ESV 1 4.0% 119.800	at D5 ESV LT intercept R318 ESV to ESV	D5 ESV MNM 1000 D5 ESV MNM 2700 (inbound) ESV MNM 4000
	Runway 19	
BOKUD 1 5.0% 119.800	RT 192° - intercept R190 ESV - at D3 ESV LT intercept R135 ESV to BOKUD	D3 ESV MNM 1000 D12 ESV MNM 3500 BOKUD MNM FL60
ESMERALDAS 1A ESV 1A 5.0% 119.800	RT 192° - intercept R190 ESV - at D3 ESV RT intercept R294 ESV to ESV	D3 ESV MNM 1000 D3 ESV MNM 3500 (inbound) ESV MNM 4500

29-DEC-2016

ESM-SETN

5-40

ESMERALDAS 1 (ESM 1)

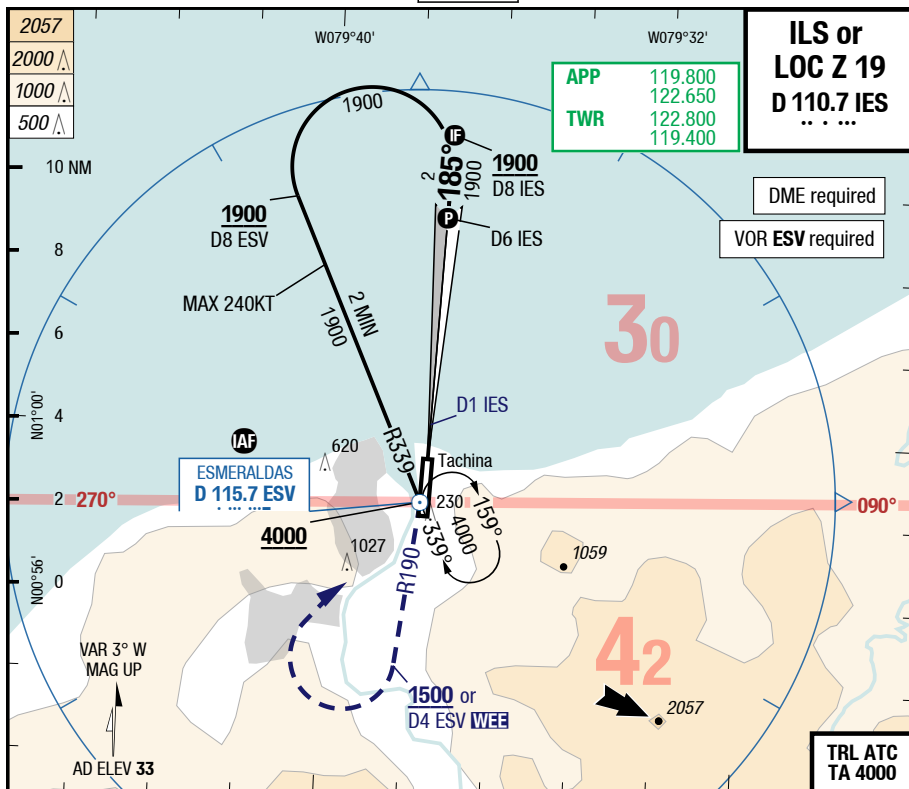
SIDPT

ESMERALDAS 1																							
RWY 01 (005°)																							
<table><tr><td></td><td>GS</td><td>120</td><td>150</td><td>180</td><td>210</td><td>240</td><td>270</td></tr><tr><td>4.0%</td><td>ft/MIN</td><td>500</td><td>700</td><td>800</td><td>900</td><td>1000</td><td>1100</td></tr></table>									GS	120	150	180	210	240	270	4.0%	ft/MIN	500	700	800	900	1000	1100
	GS	120	150	180	210	240	270																
4.0%	ft/MIN	500	700	800	900	1000	1100																
DESIGNATOR	ROUTING					ALTITUDES																	
	Runway 01																						
ESMERALDAS 1 ESM 1 4.0% 119.800	at 5NM from ESM (1 MIN) LT 143° to ESM					5NM from ESM MNM 1000 5NM to ESM MNM 2700 (inbound) ESM MNM 4000																	

ESM-SETN

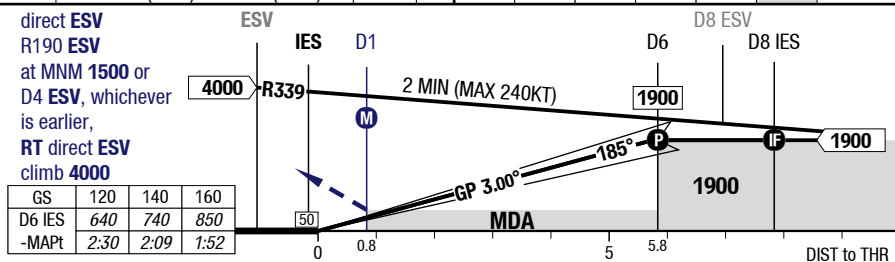
7-10

ILS or LOC Z 19



55 HL	45 x 2552	19	2	3	4	5	6	LOC 3.00° D IES
+0.1% IDZ 18 (---%) / THR 20 (1hPa)	3.0°		660	980	1300	1610	1900	

direct **ESV**
R190 **ESV**
at MNM **1500** or
D4 **ESV**, whichever
is earlier,
RT direct ESV
climb **4000**



19		Cat 1 DME GA 4.5%	LOC DME GA 4.5%				Circling to RWY 01
C	ft - m/km ft	270 - 1.3V 290 ¹⁾	440 - 2.0V 460				1390 - 5.0V 1420
D	ft - m/km ft	Not authorized	Not authorized				Not authorized

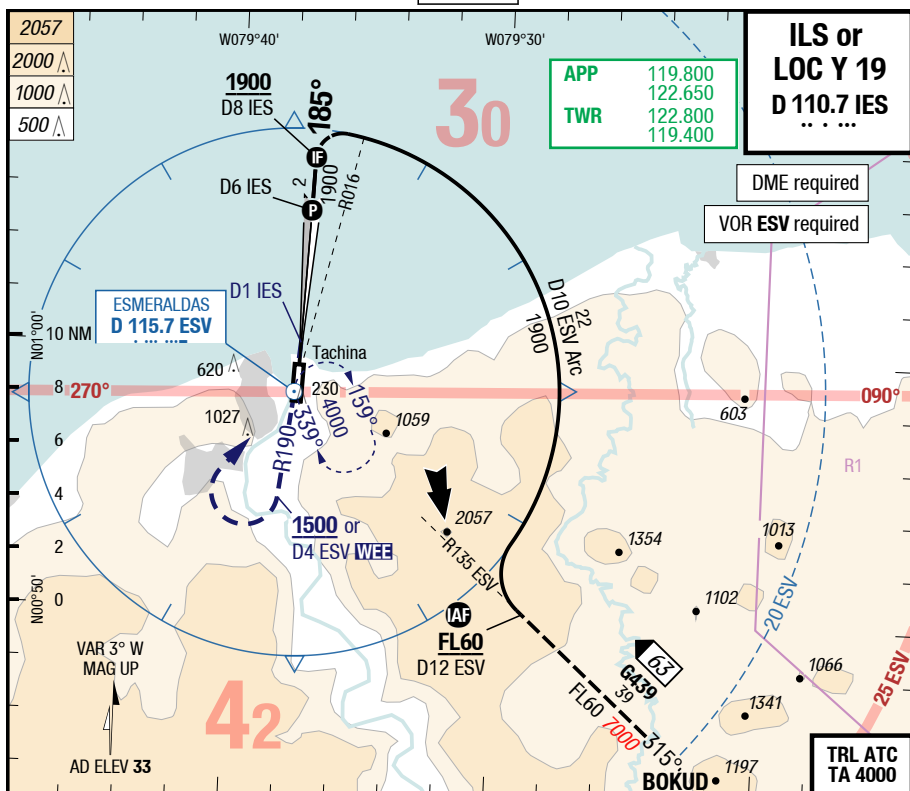
1) With EVS VIS 900m

Changes: APL, LDA, TDZE, THR ELEV

ESM-SETN

7-20

ILS or LOC Y 19



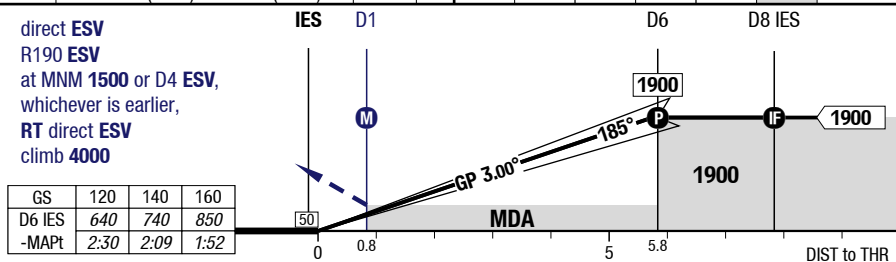
55 HL

45 x

+0.1% TDZ 18 (---%) / **THR 20** (1hPa)

2	3	4	5	6		LOC 3.00 DIES
660	980	1300	1610	1900		

direct **ESV**
R190 **ESV**
at MNM **1500** or D4 **ESV**,
whichever is earlier,
RT direct ESV
climb **4000**

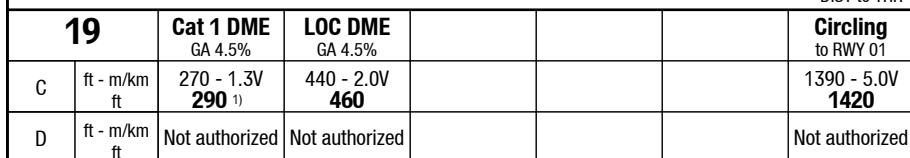


19		Cat 1 DME GA 4.5%	LOC DME GA 4.5%				Circling to RWY 01
C	ft - m/km ft	270 - 1.3V 290 ¹⁾	440 - 2.0V 460				1390 - 5.0V 1420
D	ft - m/km ft	Not authorized	Not authorized				Not authorized

1) With EVS VIS 900m

Changes: APL, LDA, TDZE, THR ELEV

ILS or LOC X 19

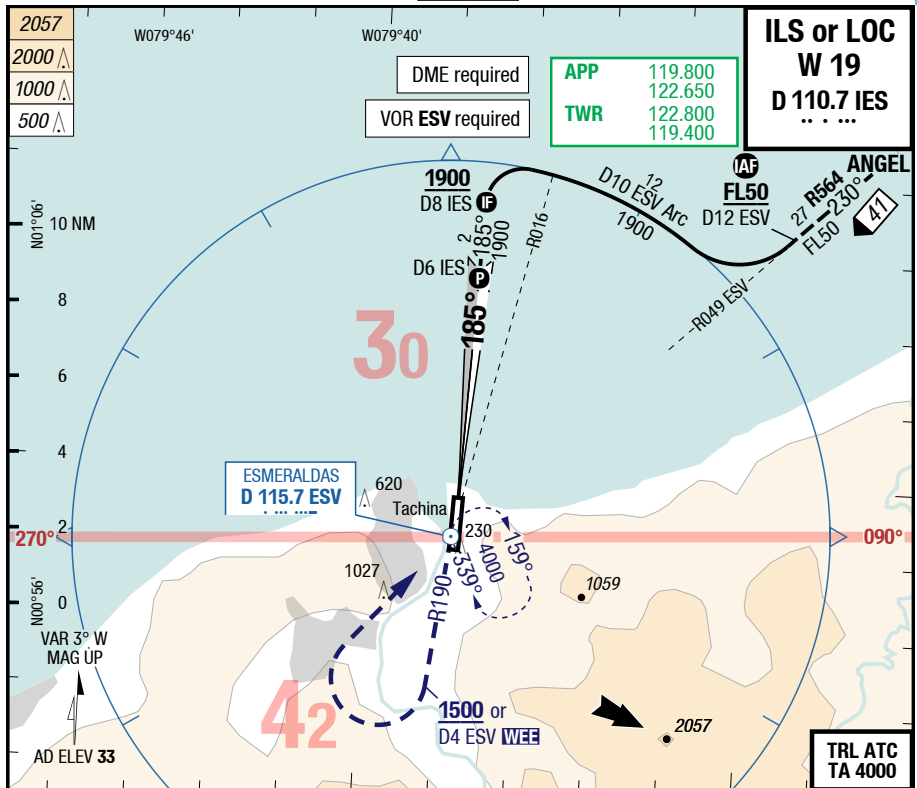


© Lido 2017

ESM-SETN

7-40

ILS or LOC W 19



55 HL	45 x 2552	19	2	3	4	5	6	LOC 3.00° D IES
+0.1%	TDZ 18 (---%) / THR 20 (1hPa)		660	980	1300	1610	1900	

direct **ESV**

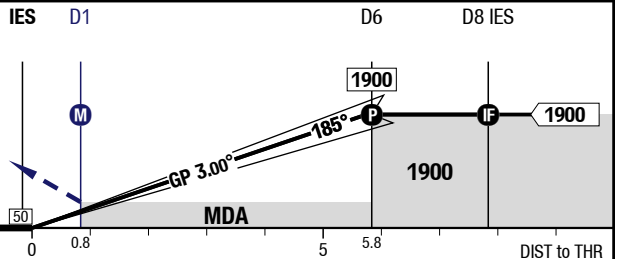
R190 **ESV**

at MNM **1500** or D4 **ESV**,
whichever is earlier,

RT direct **ESV**

climb 4000

GS	120	140	160
D6 IES	640	740	850
-MAPt	2:30	2:09	1:52



19		Cat 1 DME GA 4.5%	LOC DME GA 4.5%				Circling to RWY 01
C	ft - m/km ft	270 - 1.3V 290 ¹⁾	440 - 2.0V 460				1390 - 5.0V 1420
D	ft - m/km ft	Not authorized	Not authorized				Not authorized

1) With EVS VIS 900m

Changes: APL, LDA, TDZE, THR ELEV

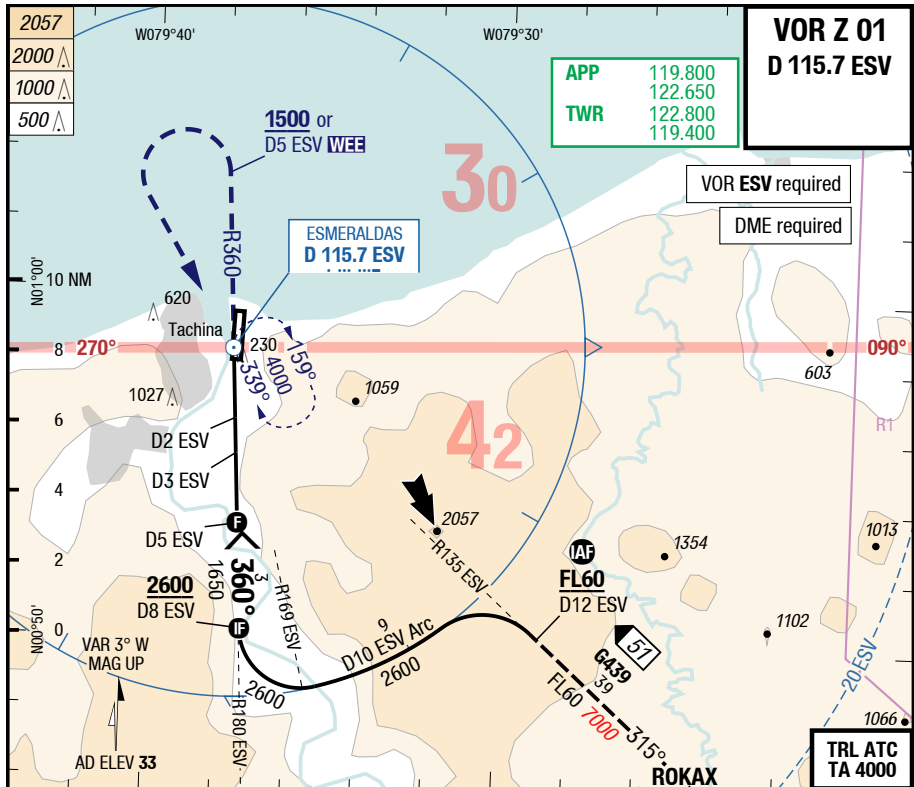
02-NOV-2017

ESM-SETN

7-50

VOR Z 01

IAC

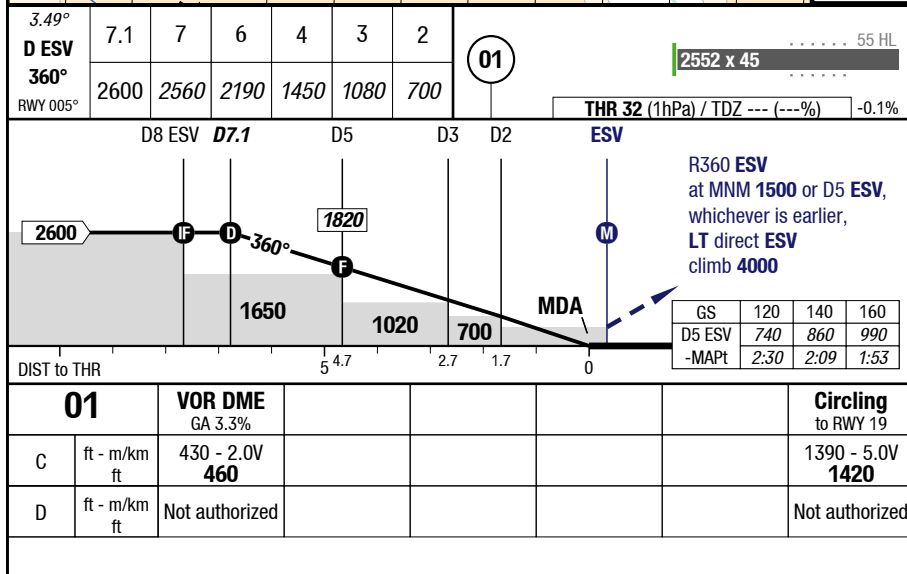


3.49° D ESV 360° RWY 005°	7.1	7	6	4	3	2	01	2552 x 45	55 HL
	2600	2560	2190	1450	1080	700		THR 32 (1hPa) / TDZ --- (---%)	-0.1%
	D8 ESV	D7.1	D5	D3	D2	ESV			
	2600	IF	D	360°	1820	F			
			1650		1020	700	MDA		
DIST to THR			5	4.7	2.7	1.7	0		
01	VOR DME GA 3.3%								
C	ft - m/km ft	430 - 2.0V 460							1390 - 5.0V 1420
D	ft - m/km ft	Not authorized							Not authorized

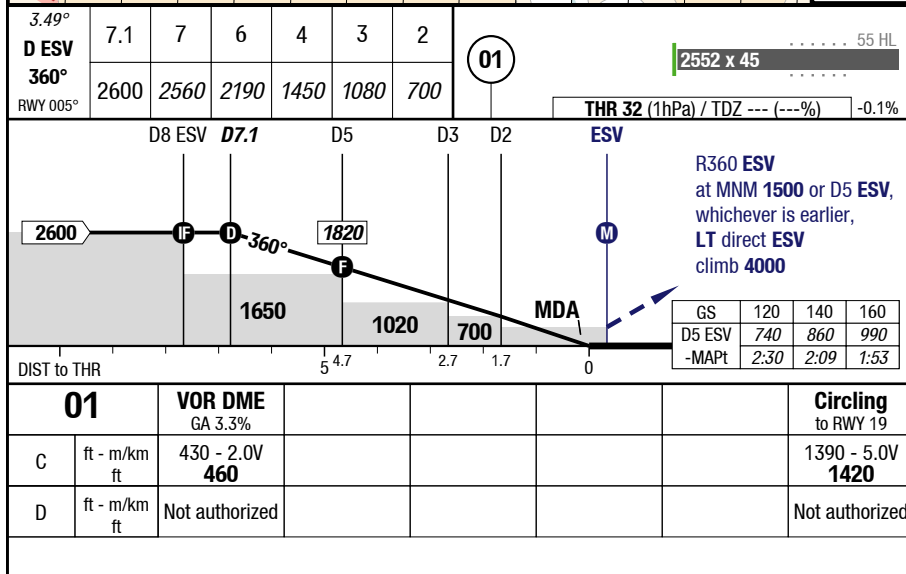
R360 ESV
at MNM 1500 or D5 ESV,
whichever is earlier,
LT direct ESV
climb 4000

GS	120	140	160
D5 ESV	740	860	990
-MAPt	2:30	2:09	1:53

VOR Y 01



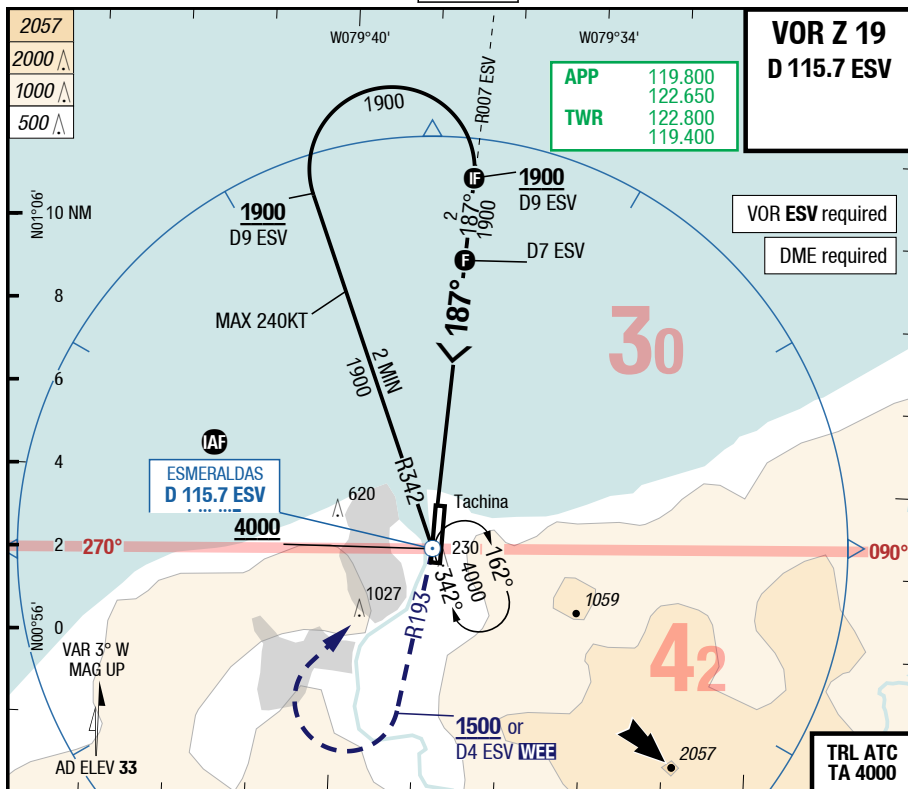
VOR X 01



ESM-SETN

7-80

VOR Z 19



55 HL

45 x 2552
3.0°

+0.1% TDZ 18 (---%) / THR 20 (1hPa)

19

3	4	5	6	6.8	3.00° D ESV 187° RWY 185°
700	1010	1330	1650	1900	

R193 ESV
at MNM 1500
or D4 ESV,
whichever is earlier,
RT direct ESV
climb 4000

ESV

D6.8

D7

D9 ESV

4000
R342

2 MIN (MAX 240KT)

1900

1900

1900

GS	120	140	160
D7 ESV	640	740	850
-MAPt	3.30	3.00	2.37

MDA

0

5

5.7

5.9

DIST TO THR

19

VOR DME
GA 4.5%Circling
to RWY 01

C

ft - m/km
ft440 - 2.0V
4601390 - 5.0V
1420

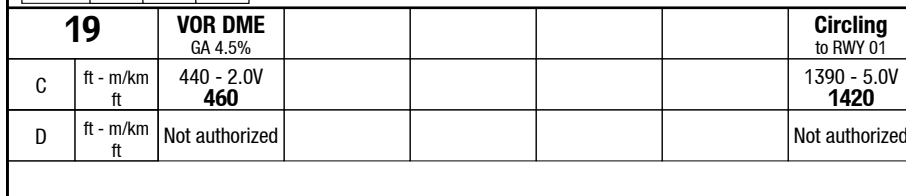
D

ft - m/km
ft

Not authorized

Not authorized

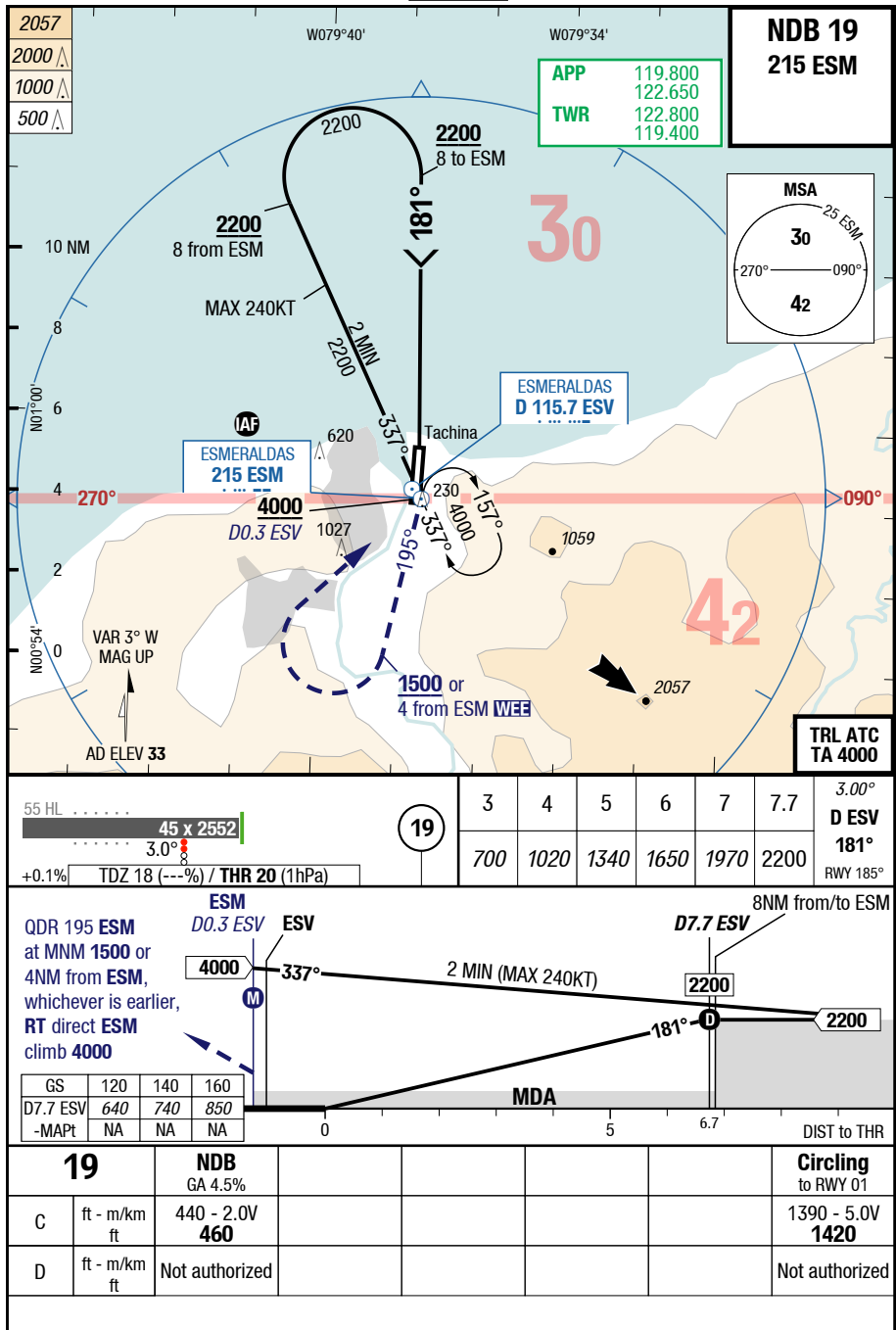
VOR Y 19



ESM-SETN

7-100

NDB 19



Changes: APL, LDA, TDZE, THR ELEV