

GENERAL**Operational Hours****ATS Hours / AD ADMIN Hours:** H24**Airport Information****RFF:** CAT 8**PCN:** RWY 13/31: 110/R/B/W/T**Warnings****CRM NDB** unusable:

120°-220° beyond 15NM below 5000ft.

Birds in vicinity of AD.

ARRIVAL**Speed**

MAX IAS 250KT within TMA at or below FL100 (refer RFCs).

Communication**COM Failure****RNAV to RWY 13**

At or after FAF (ABTEN): Continue APCH. Execute RNAV (GNSS) PROC and land.

Before FAF (ABTEN):

- At or above 8000ft:

Follow the flight plan route using last assigned and acknowledged FL/ALT. After passing/passed DETOS, TERME, ALMUS, HAVZA or BAFRA proceed direct to CRM VOR/NDB descending/maintaining 8000ft. Leave 8000ft at CRM VOR/NDB. Execute IAP and land.

- Below 8000ft:

Follow the RNAV (GNSS) PROC laterally, climb or maintain 8000ft. Then proceed direct to CRM VOR/NDB. Leave 8000ft at CRM VOR/NDB. Execute IAP and land.

RNAV to RWY 31

At or after FAF (BAXOM): Continue APCH. Execute RNAV (GNSS) PROC and land.

Before FAF (BAXOM):

- At or above 8000ft:

Follow the flight plan route using last assigned and acknowledged FL/ALT. After passing/passed DETOS, TERME, ALMUS, HAVZA or BAFRA proceed direct to CRM VOR/NDB descending/maintaining 8000ft. Leave 8000ft at CRM VOR/NDB. Execute IAP and land.

- Below 8000ft:

Follow the RNAV (GNSS) PROC laterally, climb or maintain 8000ft. Then proceed direct to CRM VOR/NDB. Leave 8000ft at CRM VOR/NDB. Execute IAP and land.

Arrival Procedure**Non-Standard GP Intercept Position on RWY 13**

GP intercept RWY 13 at 320m / 1049ft after landing threshold.

Remaining LDG DIST beyond GP is 2680m / 8794ft.

SZF-LTFH

1-20

A0I

A0I

DEPARTURE

Take-off Minima

RWY		13/31	
All ACFT	ft - m/km	0 - 125R	-

Speed

MAX IAS 250KT within TMA at or below FL100 (refer to RFCs).

ATC Slot, Clearance

Start-up: For start-up PROCs see CRAR.

De-Icing

AVBL H24

SZF-LTFH

Turkey **Samsun** Carsamba



AFC

AFC

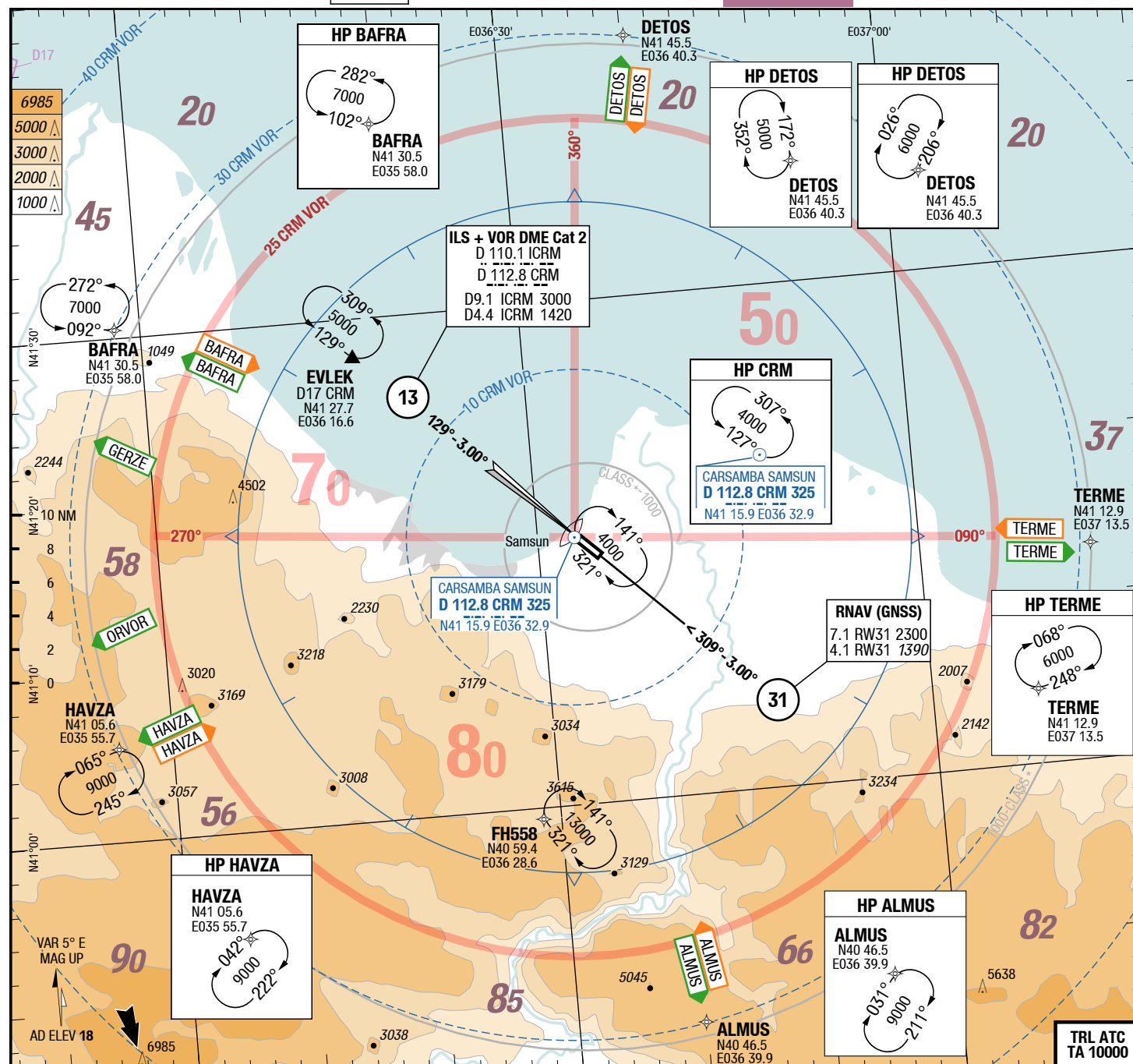
AFC

Carsamba **Samsun** Turkey

AGC

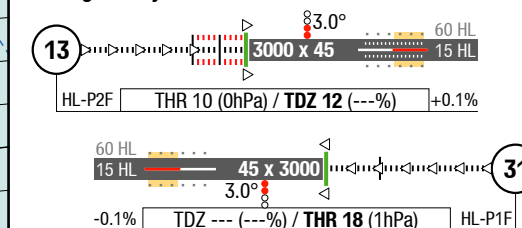
AFC

2-10



ATIS	129.350	AWOS 3	
APP	118.225		118.175
TWR	118.350		118.275
GND	121.700		

Landing RWY system:



Changes: Nil

Effective 01-FEB-2018

25-JAN-2018

SZF-LTFH

Turkey Samsun Carsamba

AGC

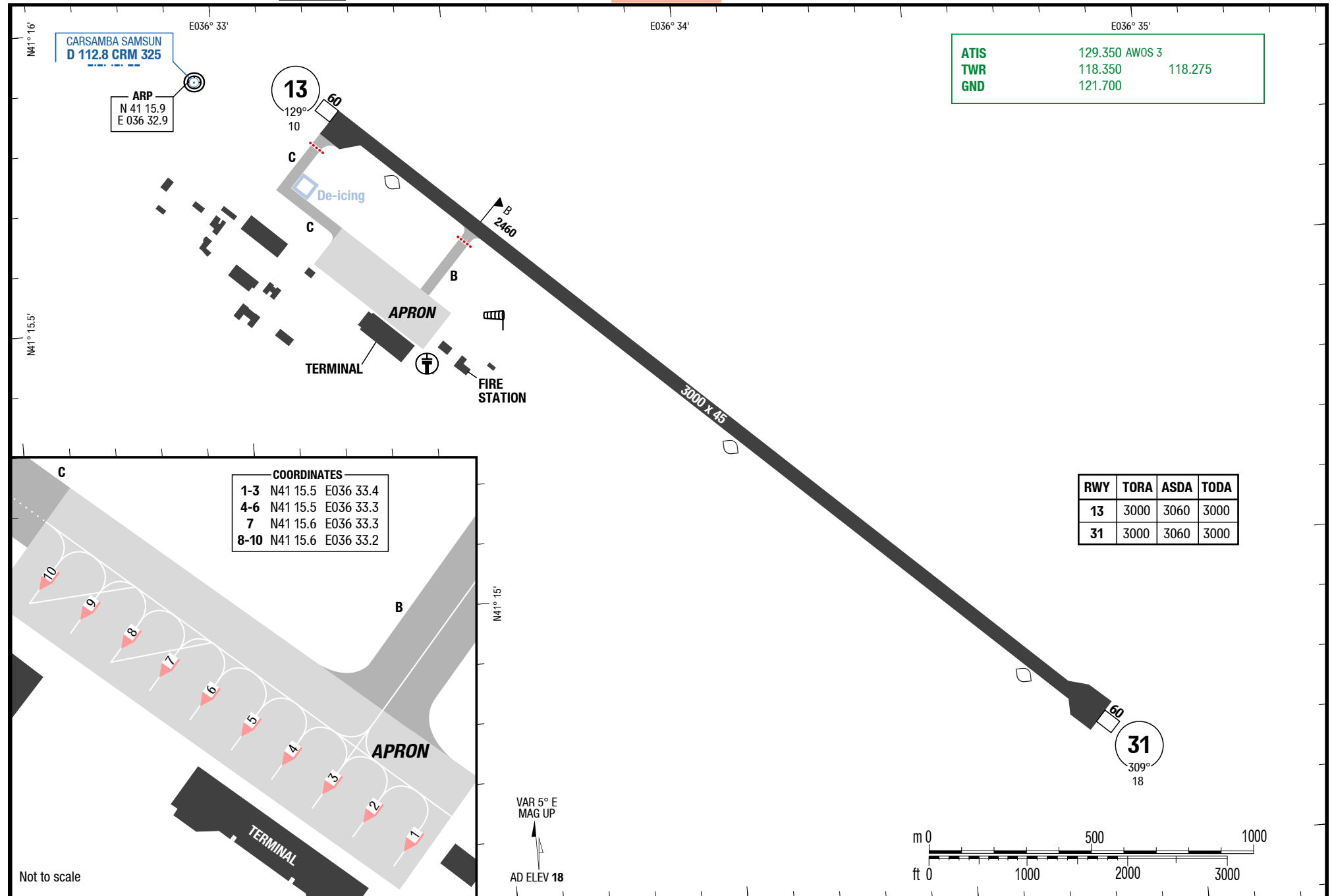
AGC

AGC

Carsamba Samsun Turkey

AGC

3-20



Changes: Turning bay

SZF-LTFH

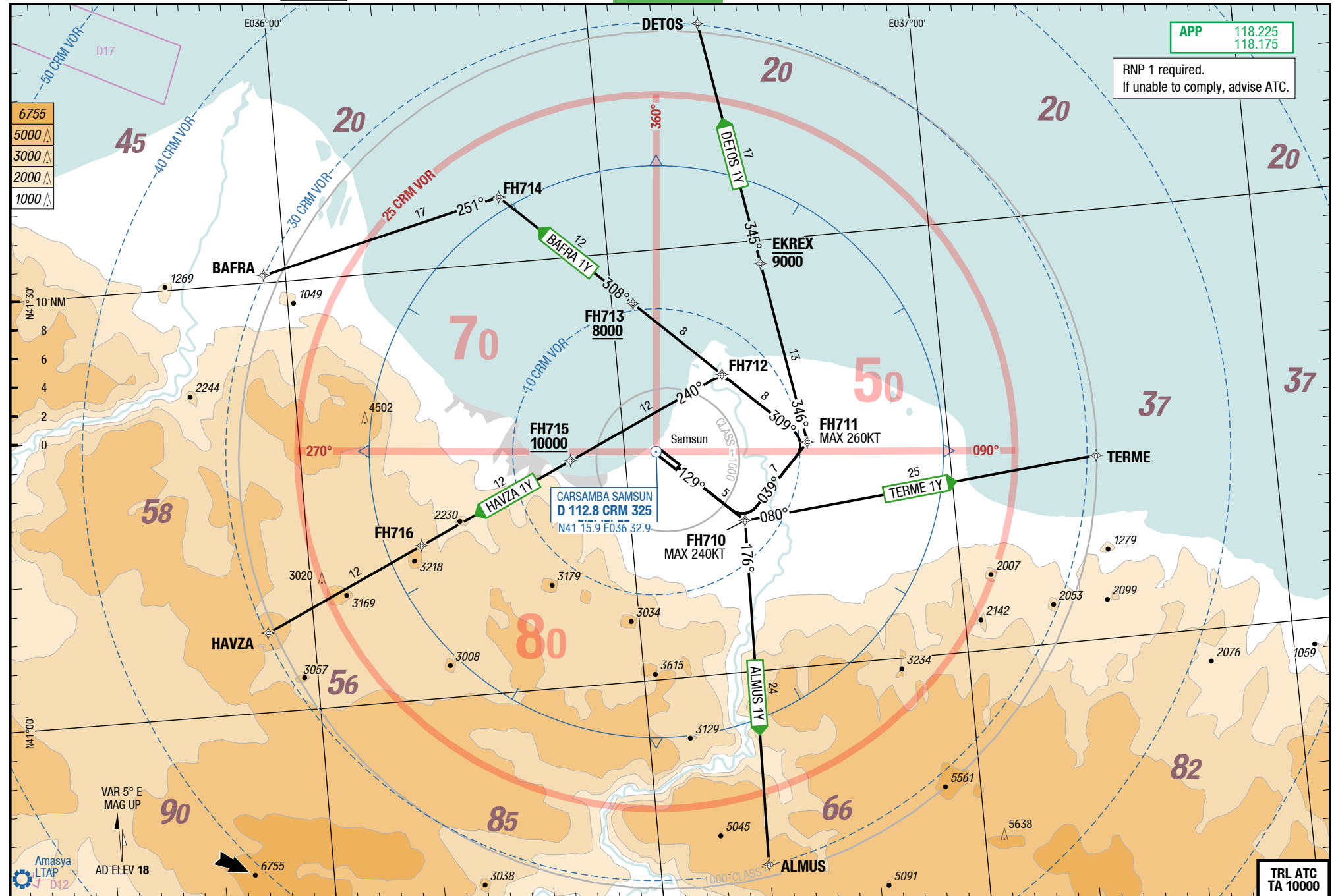
RNAV SIDs RWY 13

SID

SID

RNAV SIDs RWY 13

4-10



Changes: Nil

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Effective 21-JUL-2016

14-JUL-2016

SZF-LTFH

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Carsamba Samsun Turkey

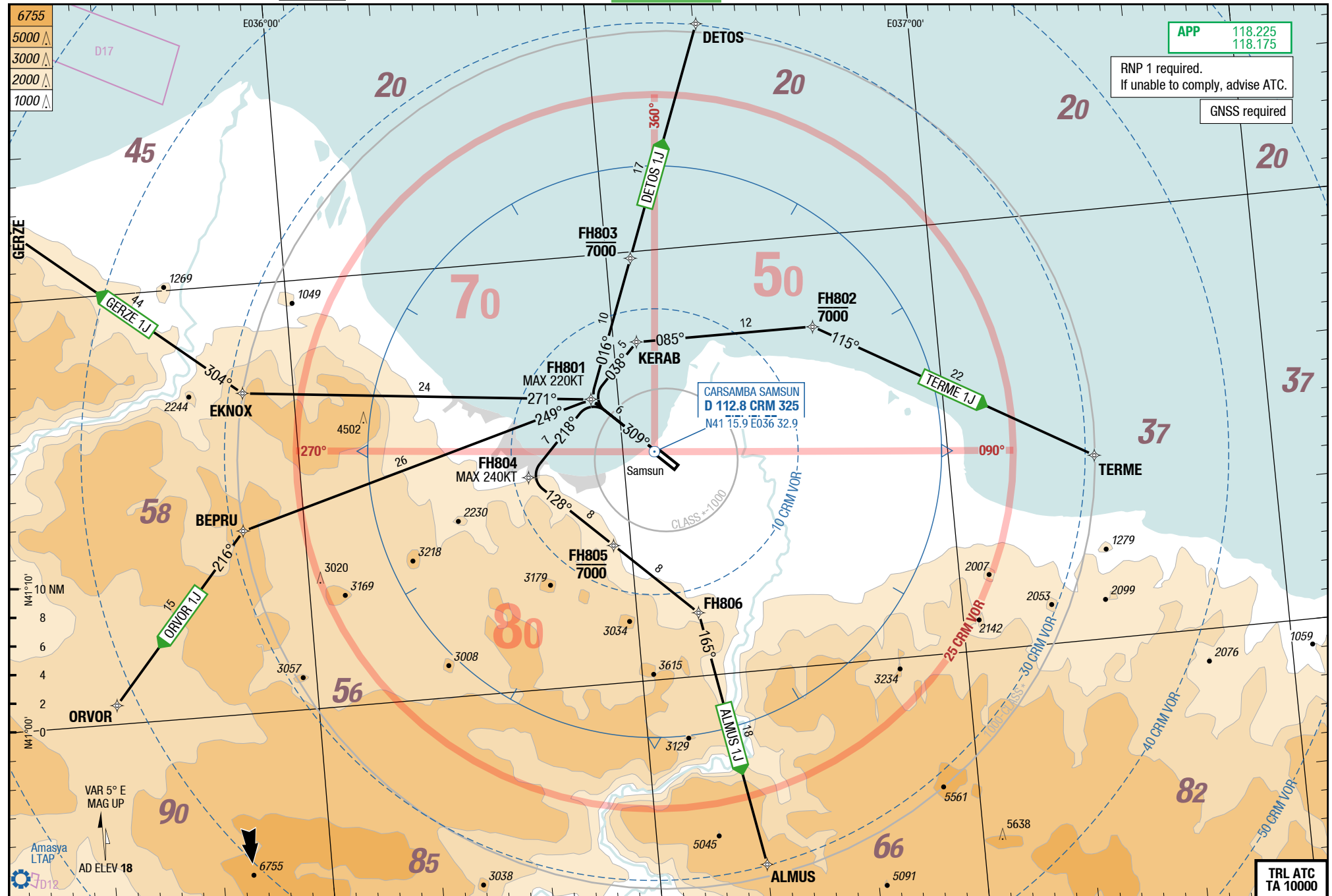
4-20

RNAV SIDs RWY 31

SID

SID

RNAV SIDs RWY 31



Changes: new

SZF-LTFH

SIDs RWY 31

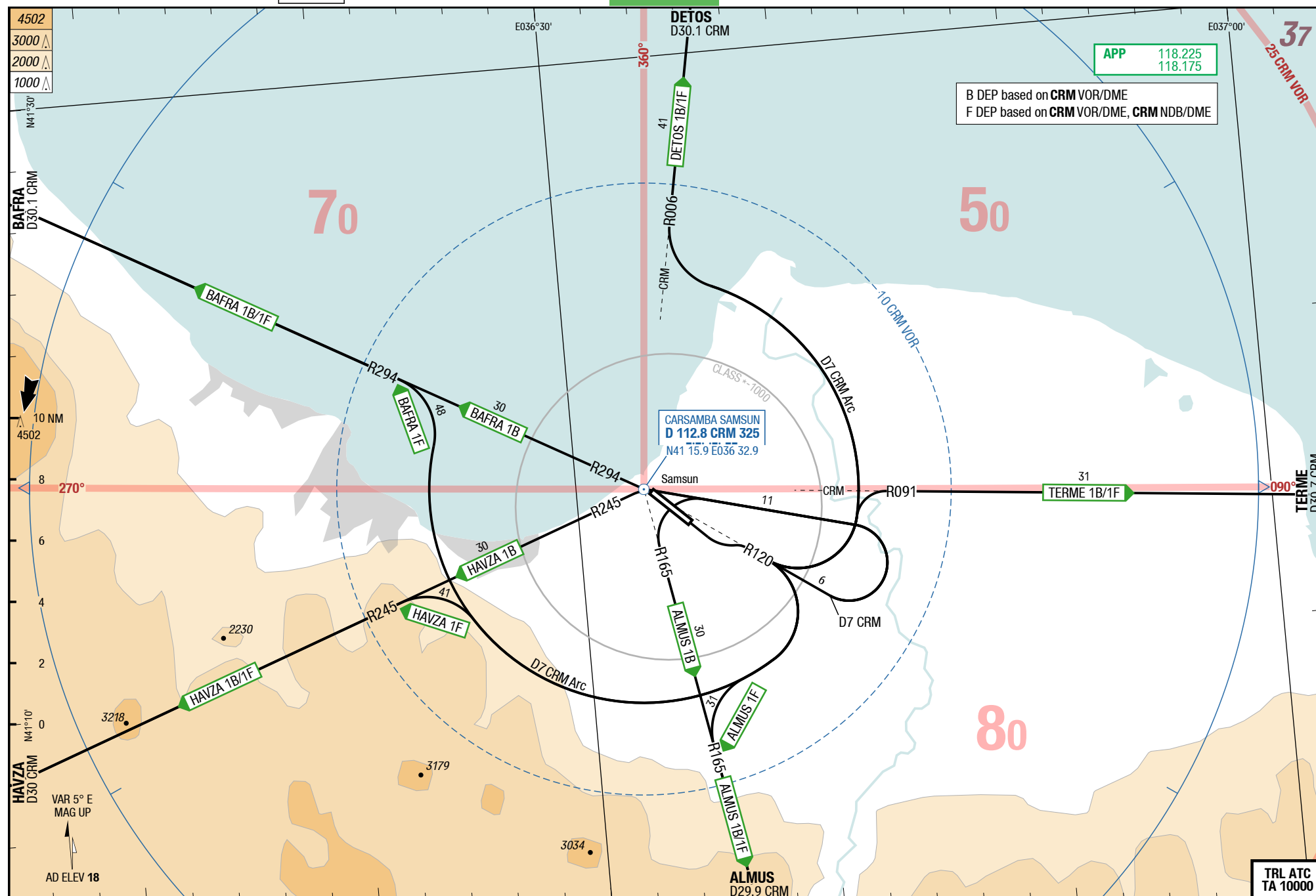
SIDs RWY 13

SID

SID

SIDs RWY 31

SIDs RWY 13



Changes: PROC, FREQ, OBST, TOPO

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18-MAY-2017

SZF-LTFH

Turkey **Samsun** Carsamba

Carsamba **Samsun** Turkey

4-40

SIDs RWY 31

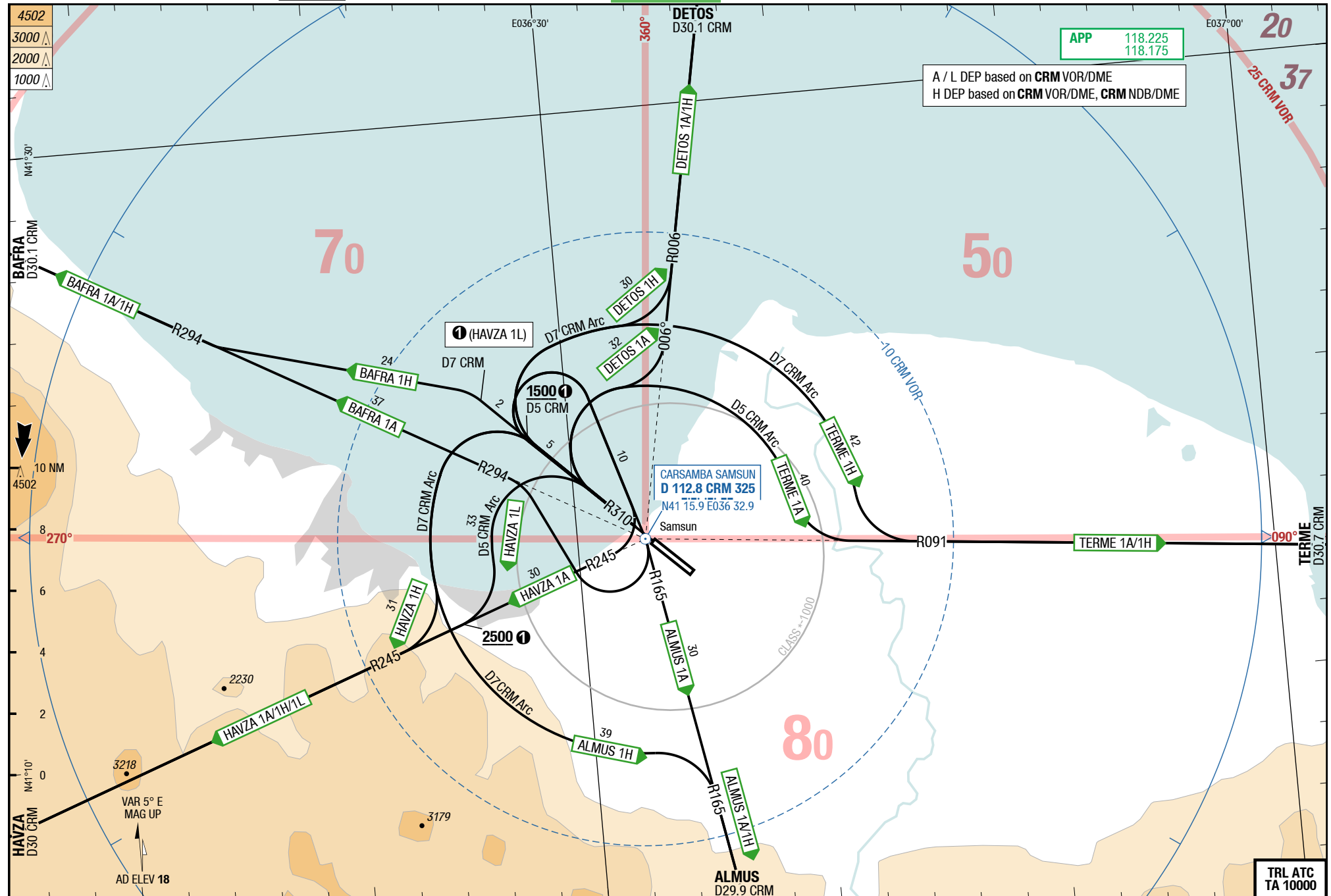
SID

SID

SIDs RWY 31

APP 118.225
118.175

A / L DEP based on **CRM** VOR/DME
H DEP based on **CRM** VOR/DME, **CRM** NDB/DME



Changes: PROC, FREQ, OBST, TOPO

SZF-LTFH

5-10

RNAV SIDs RWY 13

ALMUS 1Y / BAFRA 1Y / DETOS 1Y / HAVZA 1Y / TERME 1Y

RWY 13 (129°)

	GS	120	150	180	210	240	270
4.7%	ft/MIN	600	800	900	1000	1200	1300
5.0%	ft/MIN	700	800	1000	1100	1300	1400
5.5%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
	Runway 13	
ALMUS 1Y 5.5% to 6000 ①	FH710 (MAX 240KT) - RT to ALMUS FMS FH710 [K240- ;R] - ALMUS	
BAFRA 1Y 4.7% to 8000 ①	FH710 (MAX 240KT) - LT to FH711 (MAX 260KT) - LT to FH712 - FH713 - FH714 - LT to BAFRA FMS FH710 [K240- ;L] - FH711 [K260- ;L] - FH712 - FH713 - FH714 [L] - BAFRA	FH713 MNM 8000 FH713 MNM 8000
DETOS 1Y ①	FH710 (MAX 240KT) - LT to FH711 (MAX 260KT) - LT to EKREX - LT to DETOS FMS FH710 [K240- ;L] - FH711 [K260- ;L] - EKREX [L] - DETOS	EKREX MAX 9000 EKREX MAX 9000
HAVZA 1Y 5.0% to 10000 ①	FH710 (MAX 240KT) - LT to FH711 (MAX 260KT) - LT to FH712 - LT to FH715 - FH716 - HAVZA FMS FH710 [K240- ;L] - FH711 [K260- ;L] - FH712 [L] - FH715 - FH716 - HAVZA	FH715 MNM 10000 FH715 MNM 10000
TERME 1Y ①	FH710 (MAX 240KT) - LT to TERME FMS FH710 [K240- ;L] - TERME	

① RNP 1 required. If unable to comply, advise ATC.

SZF-LTFH

5-20

RNAV SIDs RWY 31

ALMUS 1J / DETOS 1J / GERZE 1J / ORVOR 1J / TERME 1J

RWY 31 (309°)

	GS	120	150	180	210	240	270
4.2%	ft/MIN	600	700	800	900	1100	1200
4.3%	ft/MIN	600	700	800	1000	1100	1200
4.5%	ft/MIN	600	700	900	1000	1100	1300

DESIGNATOR	ROUTING	ALTITUDES
	Runway 31	
ALMUS 1J 4.5% to 10000 118.225	at FH801 (MAX 220KT) LT to FH804 (MAX 240KT) - LT to FH805 - FH806 - RT to ALMUS FMS FH801 [K220- ;L] - FH804 [K240- ;L] - FH805 - FH806 [R] - ALMUS	FH805 MAX 7000 FH805 MAX 7000
DETOS 1J 4.2% to 8500 118.225	at FH801 (MAX 220KT) RT to FH803 - DETOS FMS FH801 [K220- ;R] - FH803 - DETOS	FH803 MAX 7000 FH803 MAX 7000
GERZE 1J 4.3% to 8000 118.225	at FH801 (MAX 220KT) LT to EKN0X - RT to GERZE FMS FH801 [K220- ;L] - EKN0X [R] - GERZE	
ORVOR 1J 118.225	at FH801 (MAX 220KT) LT to BEPRU - LT to ORVOR FMS FH801 [K220- ;L] - BEPRU [L] - ORVOR	
TERME 1J 118.225	at FH801 (MAX 220KT) RT to KERAB - RT to FH802 - RT to TERME FMS FH801 [K220- ;R] - KERAB [R] - FH802 - TERME	FH802 MAX 7000 FH802 MAX 7000

18-MAY-2017

SZF-LTFH

5-30

SIDs RWY 13

ALMUS 1B / ALMUS 1F / BAFRA 1B / BAFRA 1F / DETOS 1B / DETOS 1F / HAVZA 1B / HAVZA 1F / TERME 1B / TERME 1F

RWY 13 (129°)

	GS	120	150	180	210	240	270
4.6%	ft/MIN	600	700	900	1000	1200	1300
5.5%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
ALMUS 1B 5.5% after CRM to ALMUS	R120 CRM - at D7 CRM LT direct CRM - R165 CRM to ALMUS	
ALMUS 1F 4.6% to 12000	R120 CRM (QDR 120 CRM) - at D7 CRM RT follow D7 CRM arc - intercept R165 CRM (QDR 165 CRM) to ALMUS	
BAFRA 1B	R120 CRM - at D7 CRM LT direct CRM - R294 CRM to BAFRA	
BAFRA 1F 4.6% to 12000	R120 CRM (QDR 120 CRM) - at D7 CRM RT follow D7 CRM arc - intercept R294 CRM (QDR 294 CRM) to BAFRA	
DETOS 1B	R120 CRM - at D7 CRM LT follow D7 CRM arc - intercept R006 CRM to DETOS	
DETOS 1F 4.6% to 12000	R120 CRM (QDR 120 CRM) - at D7 CRM LT follow D7 CRM arc - intercept R006 CRM (QDR 006 CRM) to DETOS	
HAVZA 1B	R120 CRM - at D7 CRM LT direct CRM - R245 CRM to HAVZA	
HAVZA 1F 4.6% to 12000	R120 CRM (QDR 120 CRM) - at D7 CRM RT follow D7 CRM arc - intercept R245 CRM (QDR 245 CRM) to HAVZA	
TERME 1B	R120 CRM - at D7 CRM LT follow D7 CRM arc - intercept R091 CRM to TERME	
TERME 1F 4.6% to 12000	R120 CRM (QDR 120 CRM) - at D7 CRM LT intercept R091 CRM (QDR 091 CRM) to TERME	

18-MAY-2017

SZF-LTFH**5-40****SIDs RWY 31**

ALMUS 1A / ALMUS 1H / BAFRA 1A / BAFRA 1H / DETOS 1A / DETOS 1H / HAVZA 1A / HAVZA 1H / HAVZA 1L / TERME 1A / TERME 1H

RWY 31 (309°)

	GS	120	150	180	210	240	270
4.3%	ft/MIN	600	700	800	1000	1100	1200
5.5%	ft/MIN	700	900	1100	1200	1400	1600

DESIGNATOR	ROUTING	ALTITUDES
ALMUS 1A 5.5% after CRM to ALMUS	R310 CRM - at D5 CRM RT direct CRM - R165 CRM to ALMUS	
ALMUS 1H 4.3% to 12000	R310 CRM (QDR 310 CRM) - at D7 CRM LT follow D7 CRM arc - intercept R165 CRM (QDR 165 CRM) to ALMUS	
BAFRA 1A	R310 CRM - at D5 CRM RT direct CRM - R294 CRM to BAFRA	
BAFRA 1H 4.3% to 12000	R310 CRM (QDR 310 CRM) - at D7 CRM LT intercept R294 CRM (QDR 294 CRM) to BAFRA	
DETOS 1A	R310 CRM - at D5 CRM RT follow D5 CRM arc - intercept R006 CRM to DETOS	
DETOS 1H 4.3% to 12000	R310 CRM (QDR 310 CRM) - at D7 CRM RT follow D7 CRM arc - intercept R006 CRM (QDR 006 CRM) to DETOS	
HAVZA 1A	R310 CRM - at D5 CRM RT direct CRM - R245 CRM to HAVZA	
HAVZA 1H 4.3% to 12000	R310 CRM (QDR 310 CRM) - at D7 CRM LT follow D7 CRM arc - intercept R245 CRM (QDR 245 CRM) to HAVZA	
HAVZA 1L	R310 CRM - at D5 CRM LT follow D5 CRM arc - intercept R245 CRM to HAVZA	D5 CRM MNM 1500 R245 CRM MNM 2500
TERME 1A	R310 CRM - at D5 CRM RT follow D5 CRM arc - intercept R091 CRM to TERME	
TERME 1H 4.3% to 12000	R310 CRM (QDR 310 CRM) - at D7 CRM RT follow D7 CRM arc - intercept R091 CRM (QDR 091 CRM) to TERME	

SZF-LTFH

RNAV STARs RWY 31

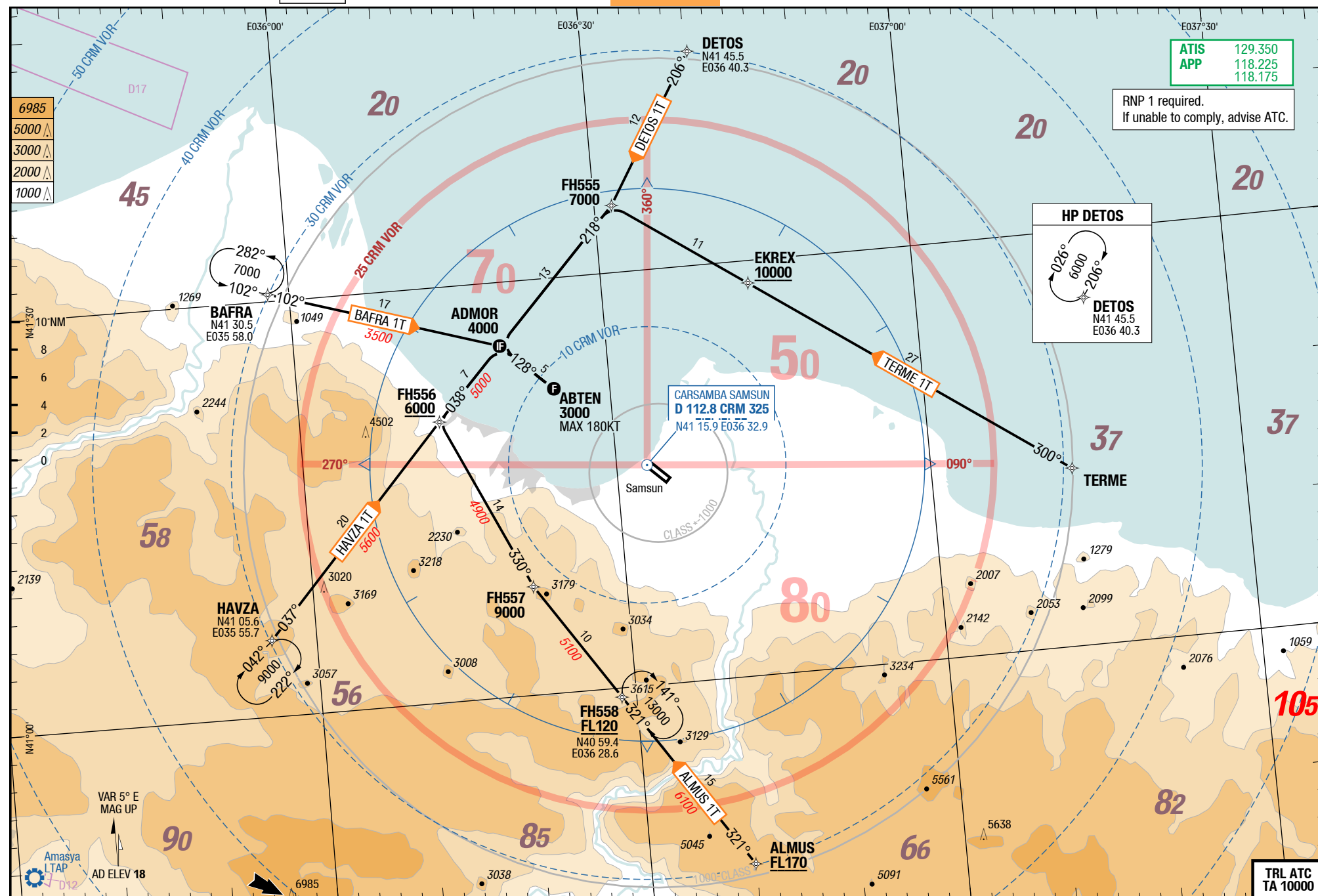
RNAV STARs RWY 13

STAR

STAR

RNAV STARs RWY 31

RNAV STARs RWY 13



Changes: Nil

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06-SEP-2018

SZF-LTFH

Turkey **Samsun** Carsamba

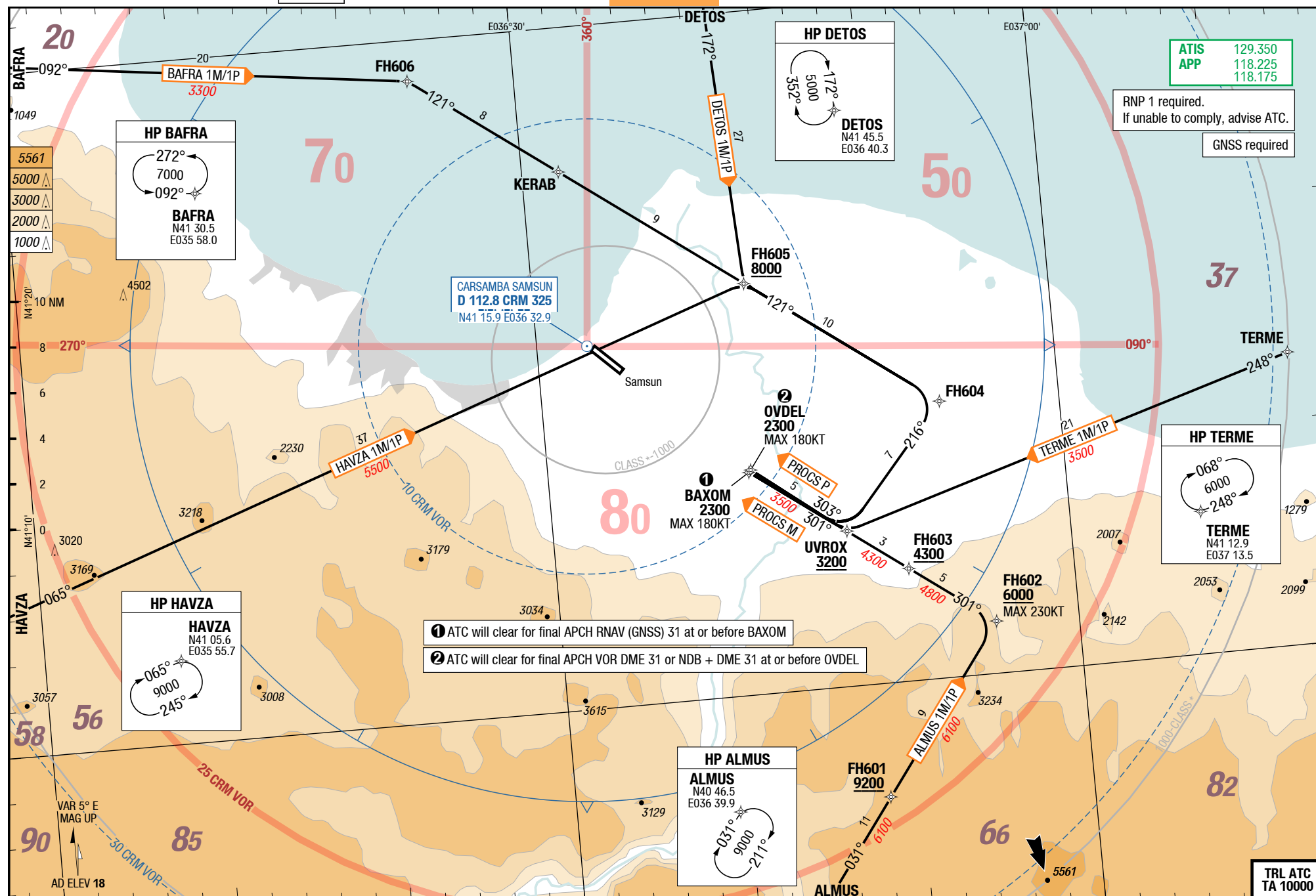
STAR

STAR

Carsamba **Samsun** Turkey

RNAV STARs RWY 31

RNAV STARs RWY 31



Changes: Note

18-MAY-2017

SZF-LTFH

6-30

Turkey Samsun Carsamba

NIL

STARs

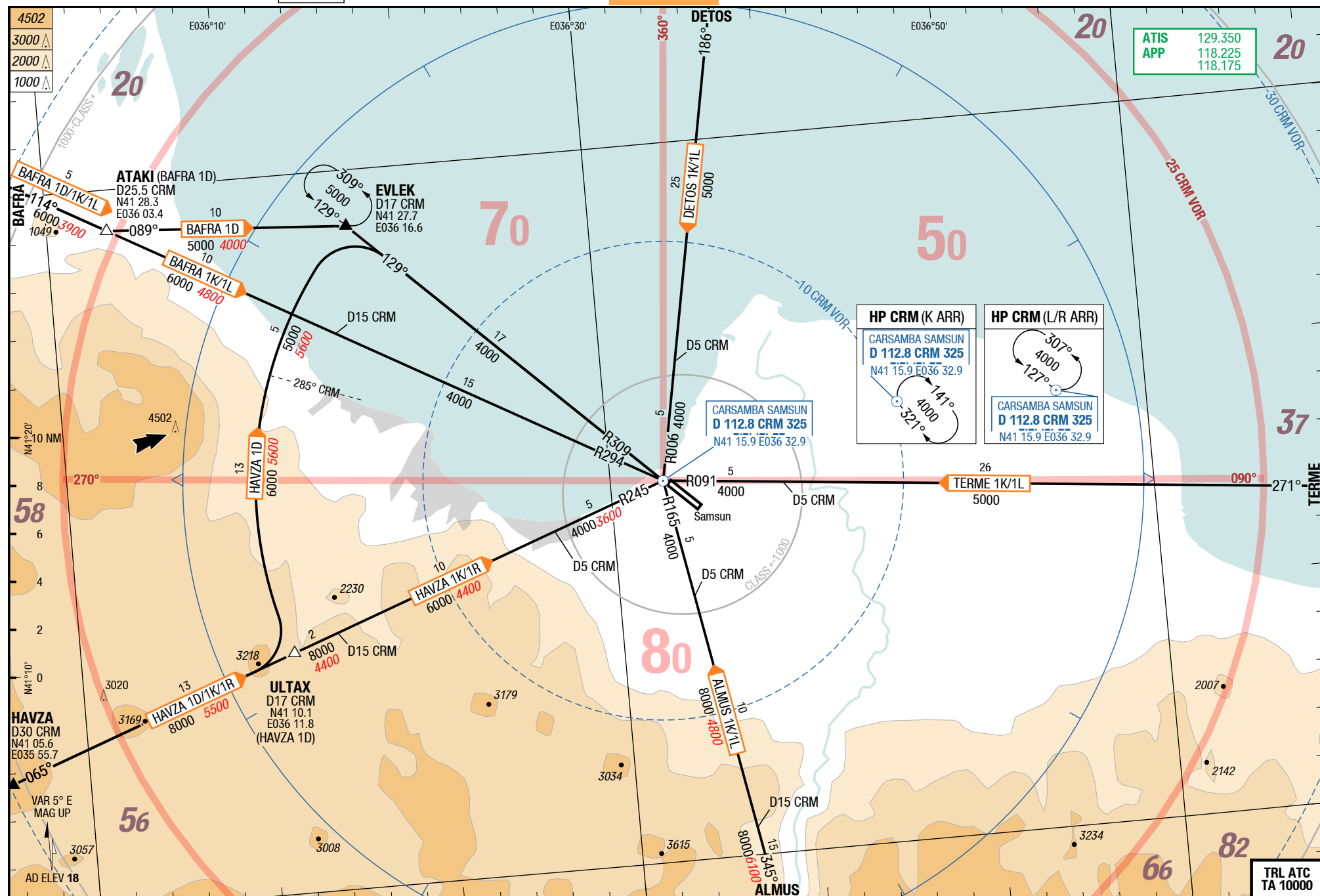
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STAR

Carsamba Samsun Turkey

NIL

STARs



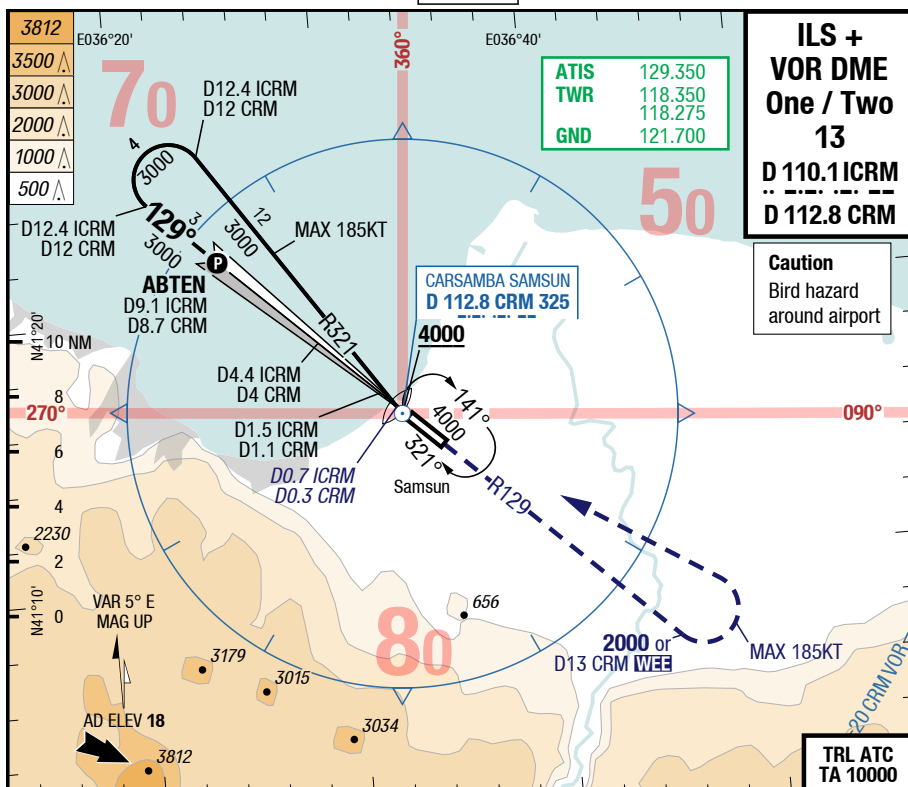
Changes: PROC renamed

02-NOV-2017

SZF-LTFH

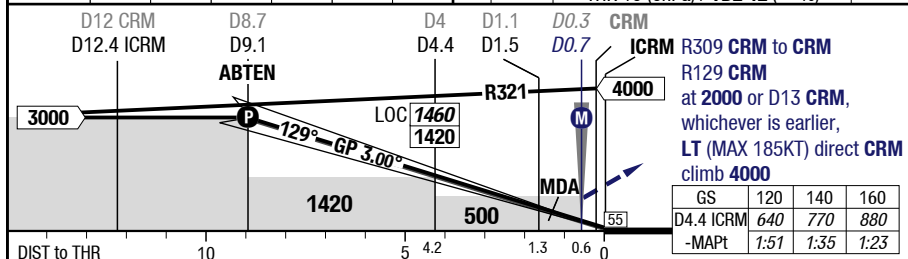
7-10

ILS + VOR DME One / Two 13



LOC 3.10°	9.1	7	5	4	3	2	
D ICRM	3000	2350	1690	1370	1040	710	

HL-P2F THR 10 (0hPa) / TDZ 12 (---%) +0.1%



13	Cat 2 DME TWO	Cat 1 DME ONE 1)	LOC DME ONE		Circling
C	ft - m/km ft 100 - 300R 103 RA	200 - 550 220	490 - 1.5 500		890 - 2.4V 900
D	ft - m/km ft 100 - 300R 103 RA 2)	200 - 550 220	490 - 1.5 500		890 - 3.6V 900

1) With EVS 350m
 2) If not conducting autoland RVR 350m required

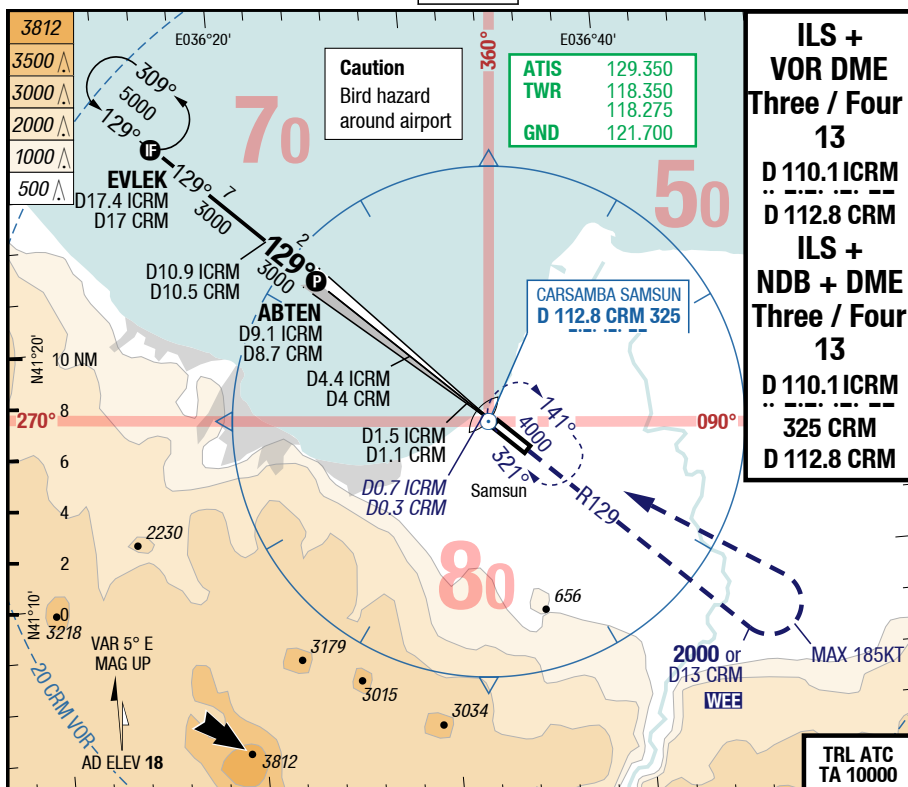
Changes: MIN

02-NOV-2017

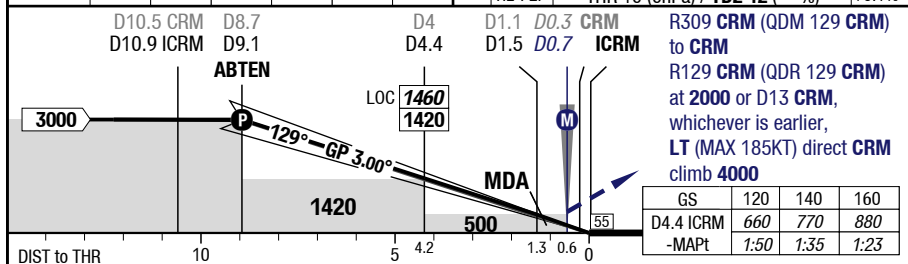
SZF-LTFH

7-20

ILS+VOR/ NDB + DME Three / Four 13



LOC 3.10°	9.1	7	5	4	3	2	
D ICRM	3000	2310	1650	1320	1000	670	
							13
							HL-P2F THR 10 (0hPa) / TDZ 12 (---%) +0.1%



13	Cat 2 DME FOUR	Cat 1 DME THREE 1)	LOC DME THREE	Circling
C	ft - m/km ft 100 - 300R 103 RA	200 - 550 220	490 - 1.5 500	890 - 2.4V 900
D	ft - m/km ft 100 - 300R 103 RA 2)	200 - 550 220	490 - 1.5 500	890 - 3.6V 900

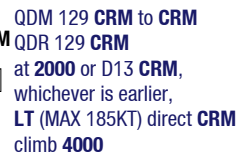
1) With EVS 350m
2) If not conducting autoland RVR 350m required

Changes: Nil

ILS + NDB + DME One / Two 13



13



GS	120	140	160
D4.4 ICRM	640	770	880
-MAPt	1:51	1:35	1:23

13		Cat 2 DME TWO	Cat 1 DME ONE ¹⁾	LOC DME ONE			Circling
C	ft - m/km ft	100 - 300R 103 RA	200 - 550 220	490 - 1.5 500			890 - 2.4V 900
D	ft - m/km ft	100 - 300R 103 RA ²⁾	200 - 550 220	490 - 1.5 500			890 - 3.6V 900

2) If not conducting autoland RVR 350m required

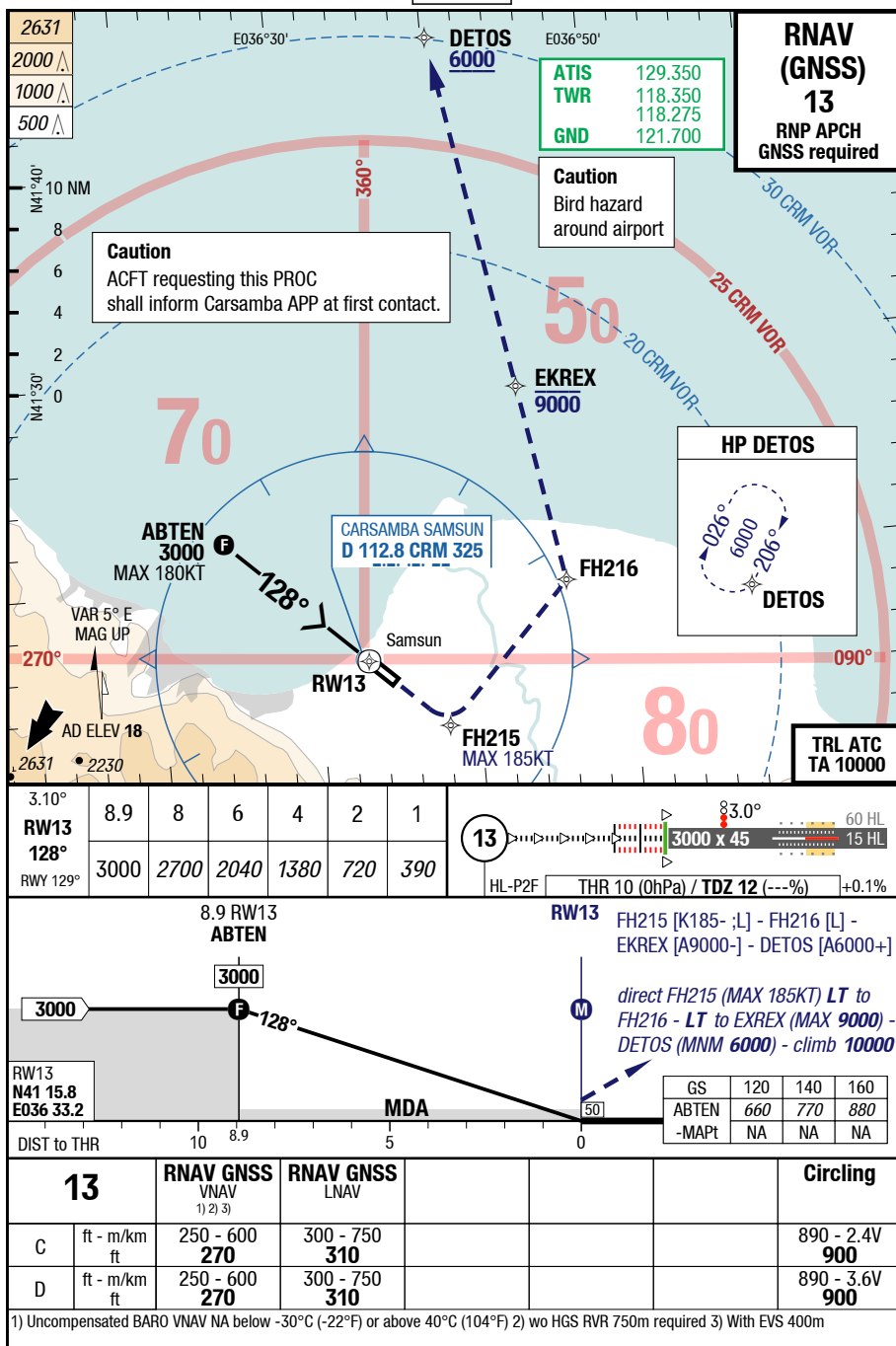
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SZF-LTFH

7-50

RNAV (GNSS) 13



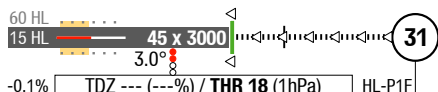
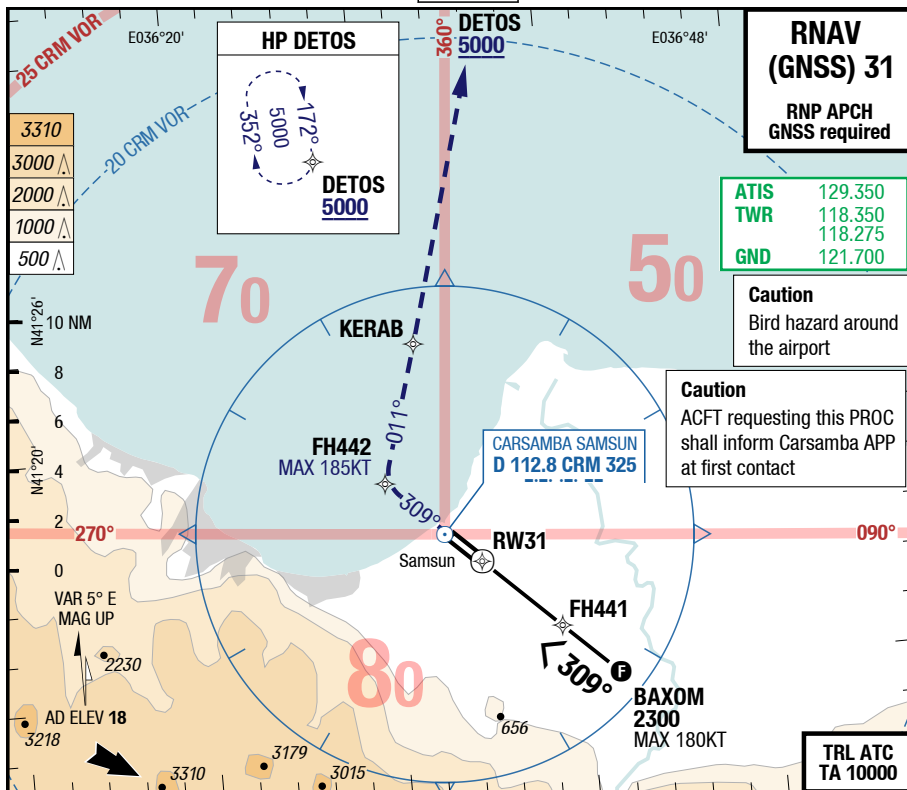
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02-NOV-2017

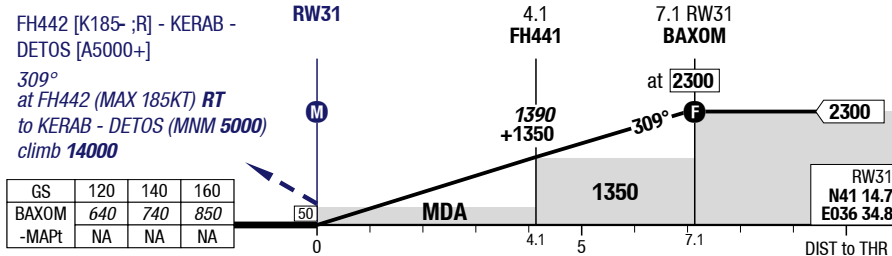
SZF-LTFH

7-60

RNAV (GNSS) 31



1	2	3	5	6	7.1	3.00°
390	710	1030	1660	1980	2300	RW31



31		RNAV GNSS VNAV 1) 2)	RNAV GNSS LNAV	Circling
C	ft - m/km ft	250 - 750 270	350 - 900 370	890 - 2.4V 900
D	ft - m/km ft	250 - 750 270	350 - 900 370	890 - 3.6V 900

1) Uncompensated BARO VNAV NA below -30°C (-22°F) or above 40°C (104°F)
2) With EVS 550m

Changes: MIN

02-NOV-2017

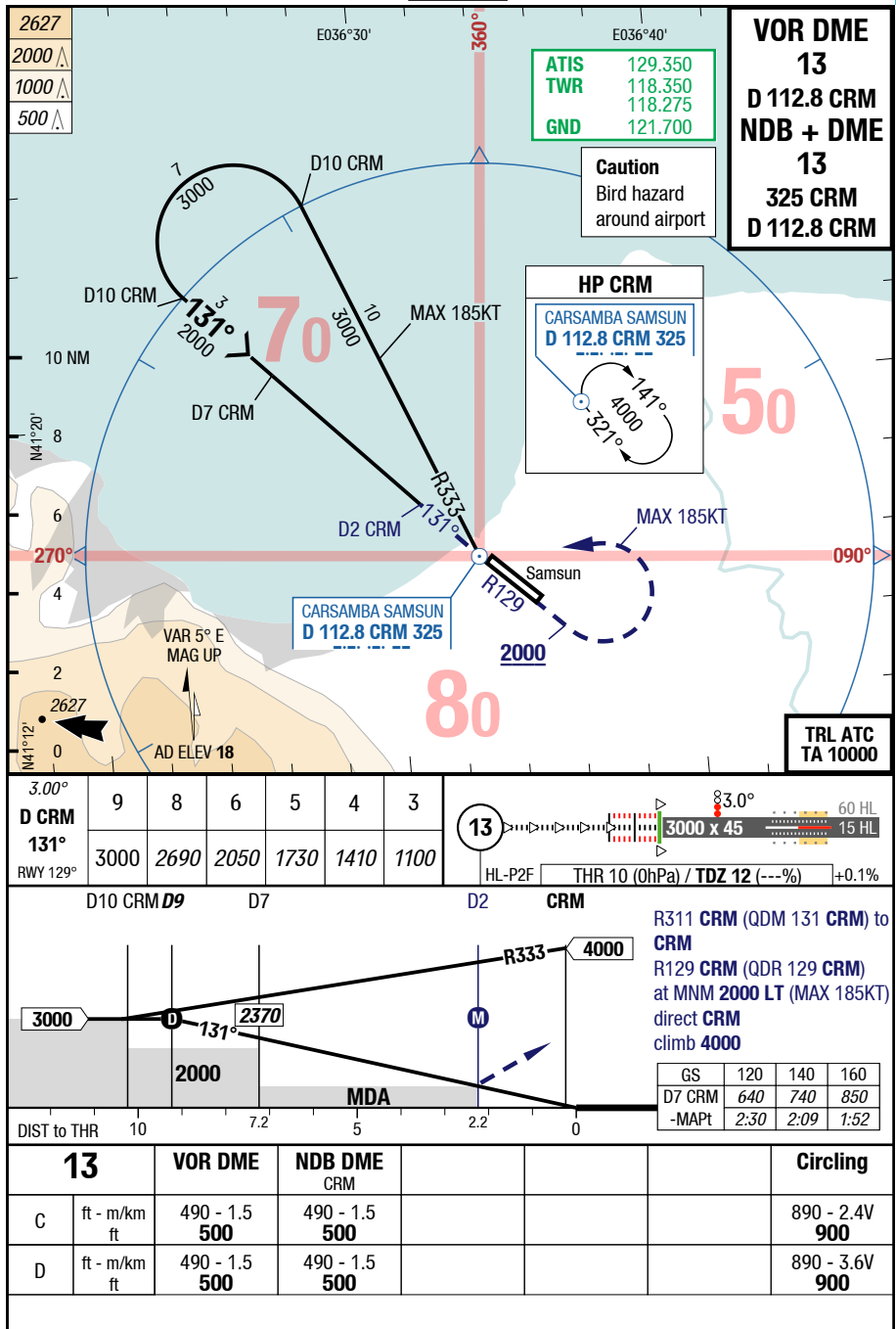
SZF-LTFH

Turkey Samsun Carsamba

IAC

7-70

VOR DME 13 / NDB + DME 13



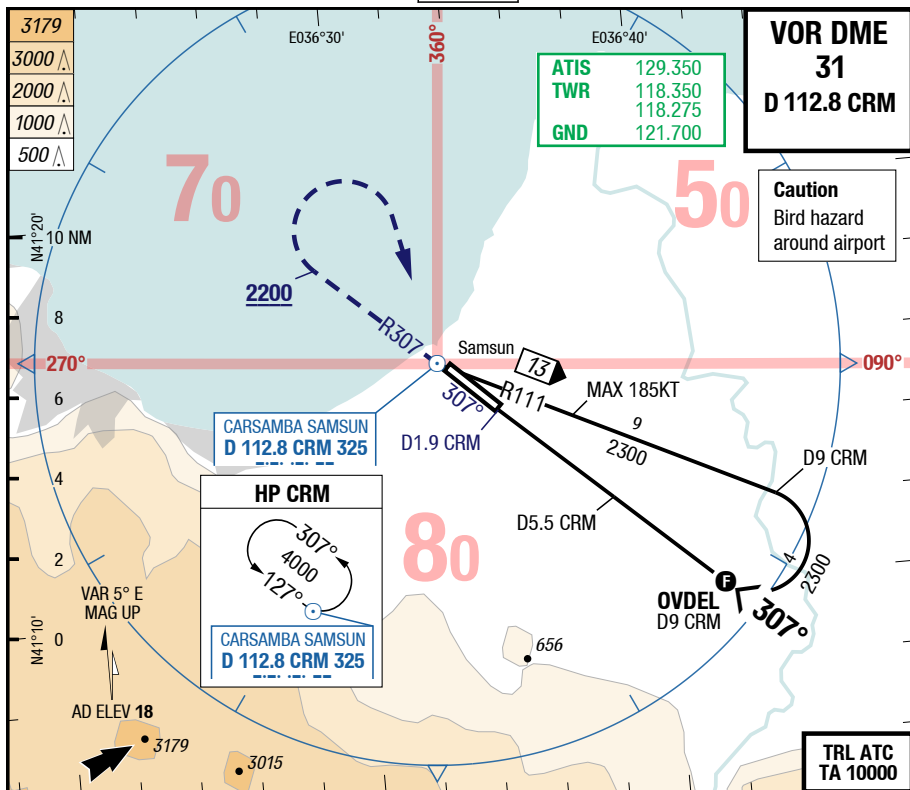
Changes: MIN

02-NOV-2017

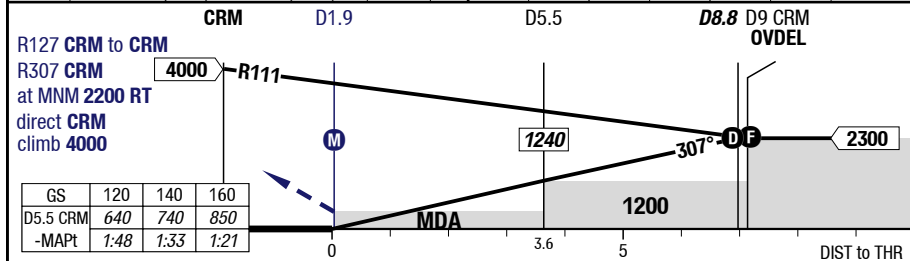
SZF-LTFH

7-80

VOR DME 31



60 HL	45 x 3000	31	4	5	6	7	8	8.8	3.00°
15 HL			760	1080	1400	1720	2040	2300	D CRM 307°
-0.1%	TDZ --- (---%) / THR 18 (1hPa)	HL-P1F							RWY 309°



31	VOR DME						Circling
C	ft - m/km ft	460 - 1.4 470					890 - 2.4V 900
D	ft - m/km ft	460 - 1.4 470					890 - 3.6V 900

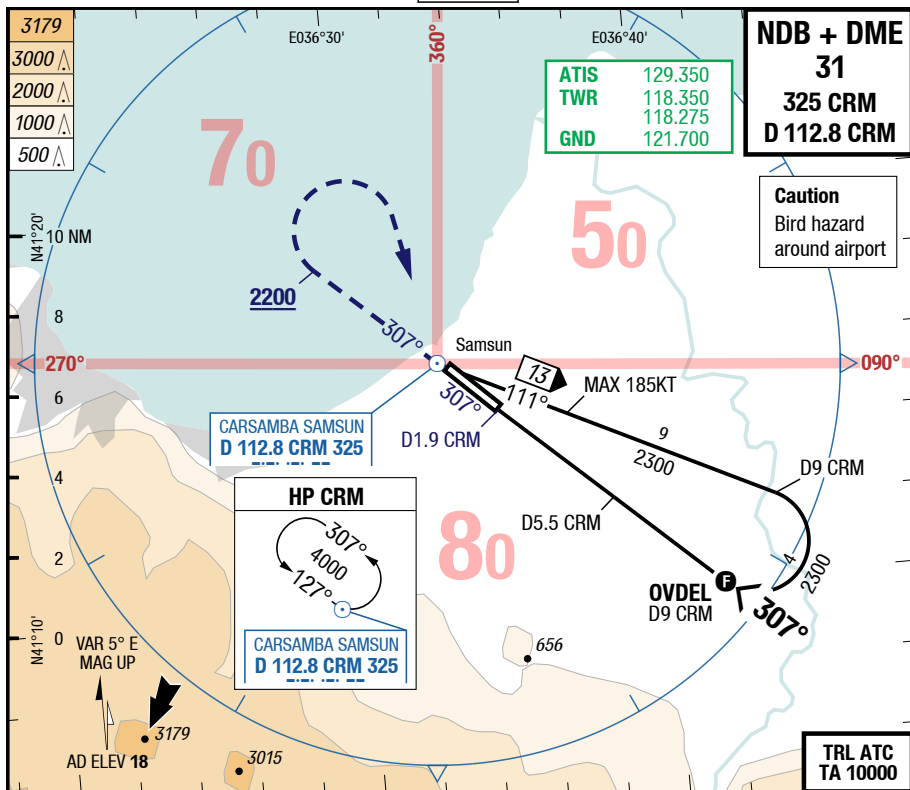
Changes: MIN

02-NOV-2017

SZF-LTFH

7-90

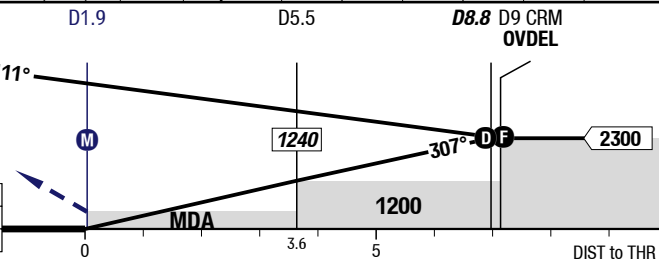
NDB + DME 31



60 HL	45 x 3000	31	4	5	6	7	8	8.8	3.00°
15 HL			760	1080	1400	1720	2040	2300	D CRM
-0.1%	TDZ --- (---%) / THR 18 (1hPa)	HL-P1F							307°
									RWY 309°

QDM 307 CRM
to CRM
QDR 307 CRM
at MNM 2200 RT
direct CRM
climb 4000

GS	120	140	160
D5.5 CRM	640	740	850
-MAPt	1:48	1:33	1:21



31	NDB DME	CRM	Circling
C	ft - m/km	460 - 1.4	890 - 2.4V
		470	900
D	ft - m/km	460 - 1.4	890 - 3.6V
		470	900

Changes: MIN

02-NOV-2017

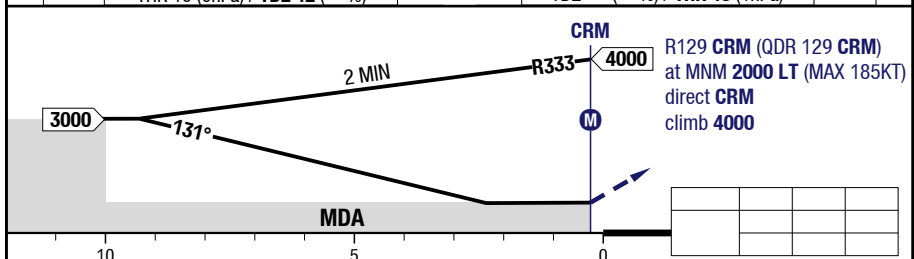
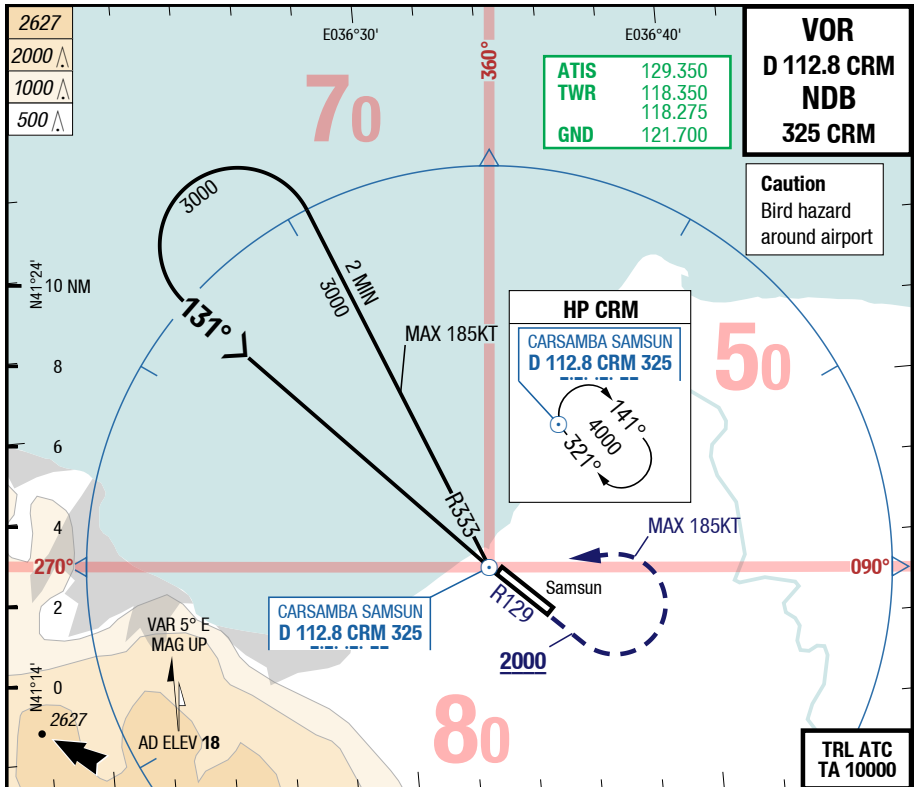
SZF-LTFH

Turkey Samsun Carsamba

IAC

7-100

VOR / NDB



13/31		VOR/NDB					Circling
C	ft - m/km ft	Straight-in Not authorized					890 - 2.4V 900
D	ft - m/km ft	Straight-in Not authorized					890 - 3.6V 900

Changes: MIN