

29-MAR-2018

Ethiopia **Bahir Dar** Bahir Dar Ginbot Haya Intl**BJR-HABD****1-10****A0I****A0I****GENERAL****Operational Hours****ATS Hours / AD ADMIN Hours:** 0300-2000, other times O/R**Airport Information****RFF:** CAT 7**PCN:** RWY 04/22: 49(2013)/R/B/W/U**Customs:** AVBL**DEPARTURE****Take-off Minima**

RWY		04	
All ACFT	ft - m/km	0 - 400v	HJ only
RWY		22	
All ACFT	ft - m/km	0 - 3700v	HJ only

Changes: AD INFO

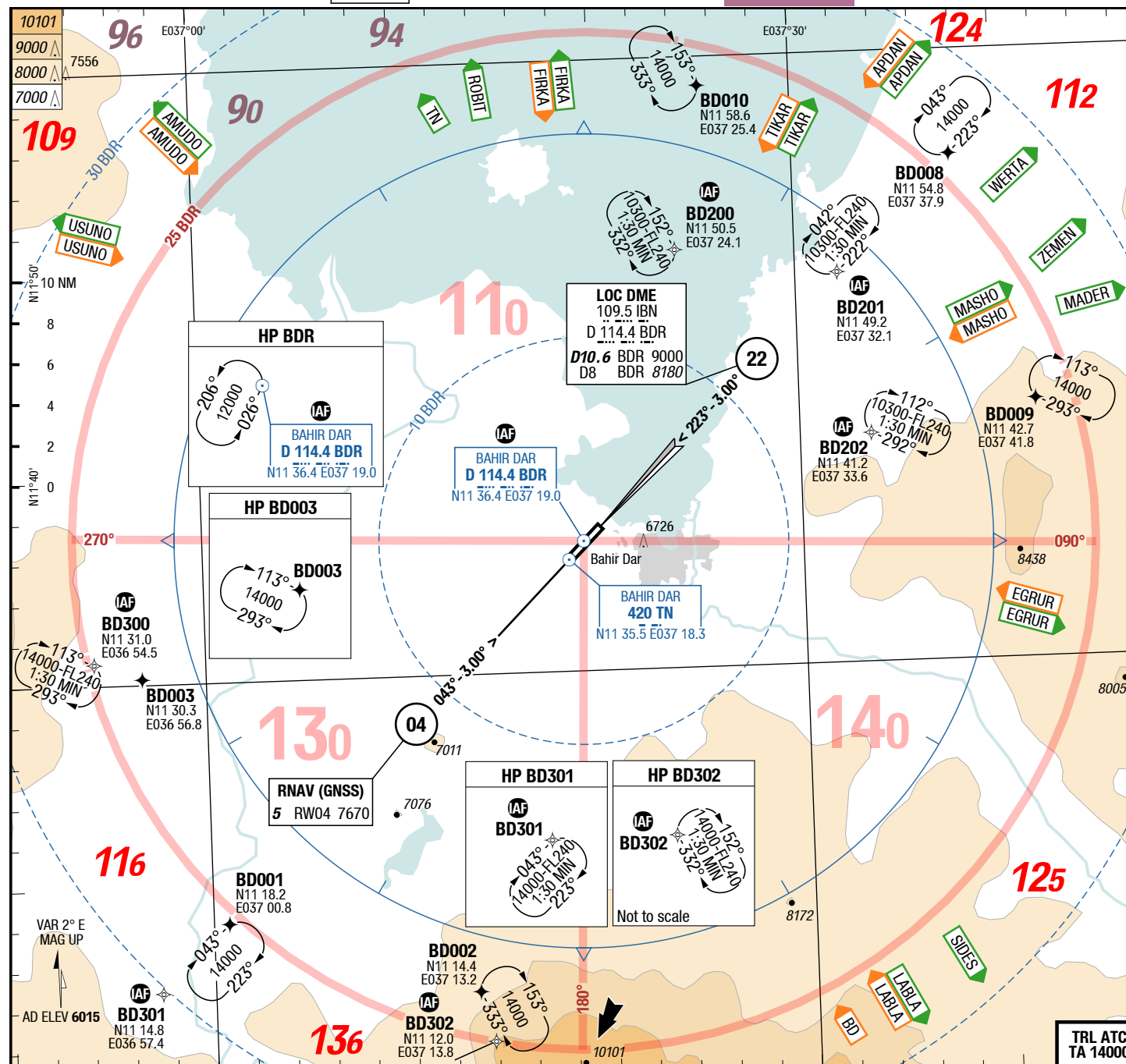
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Landing RWY system:

04

3700 x 45 60 L

THR 6039 (199hPa) / TDZ --- (---%) -1.0%

60 L

45 x 3700

+1.0% TDZ --- (---%) / THR 5916 (195hPa)

Changes: LDA, RWY length, THR ELEV, Editorial

16-AUG-2018
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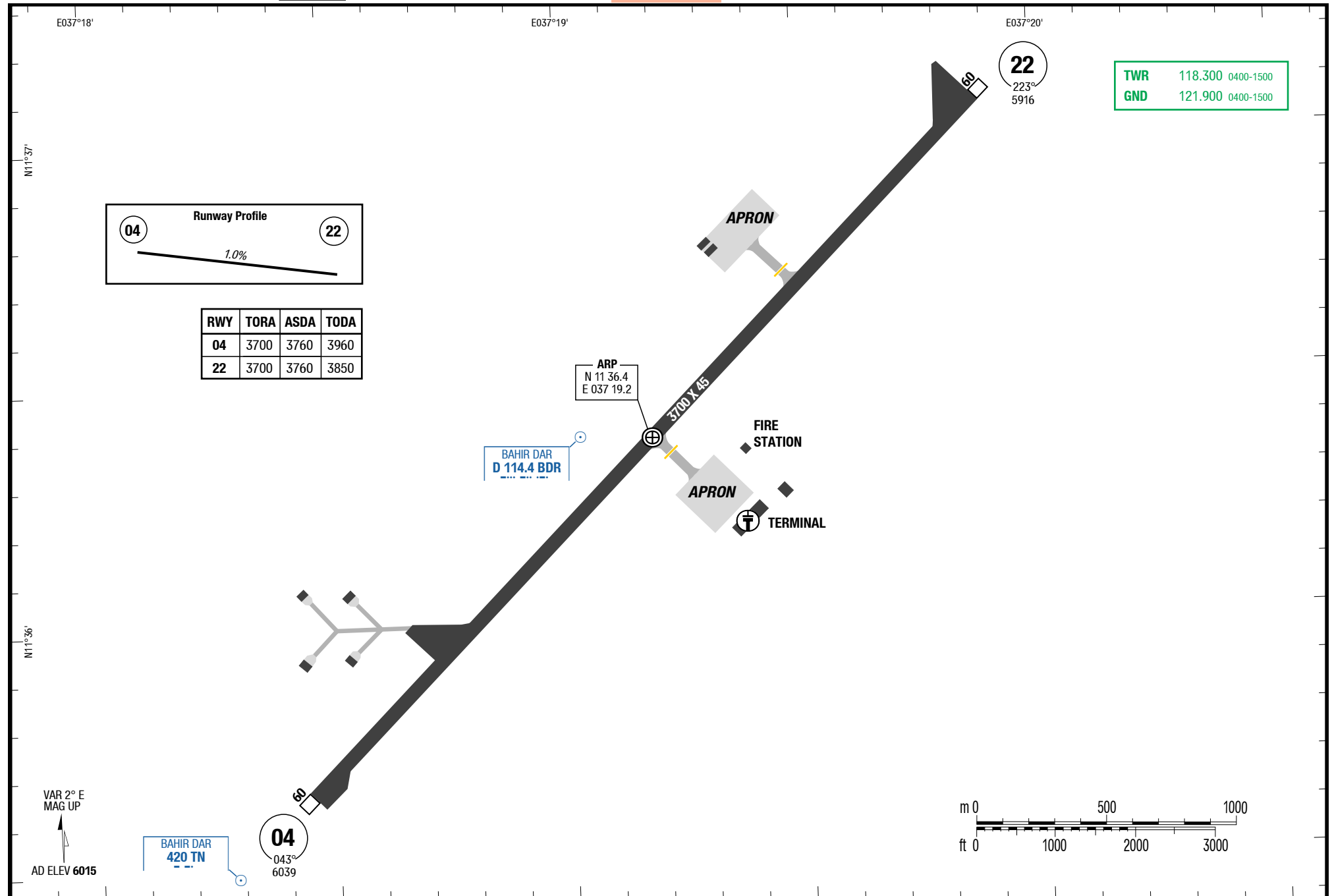
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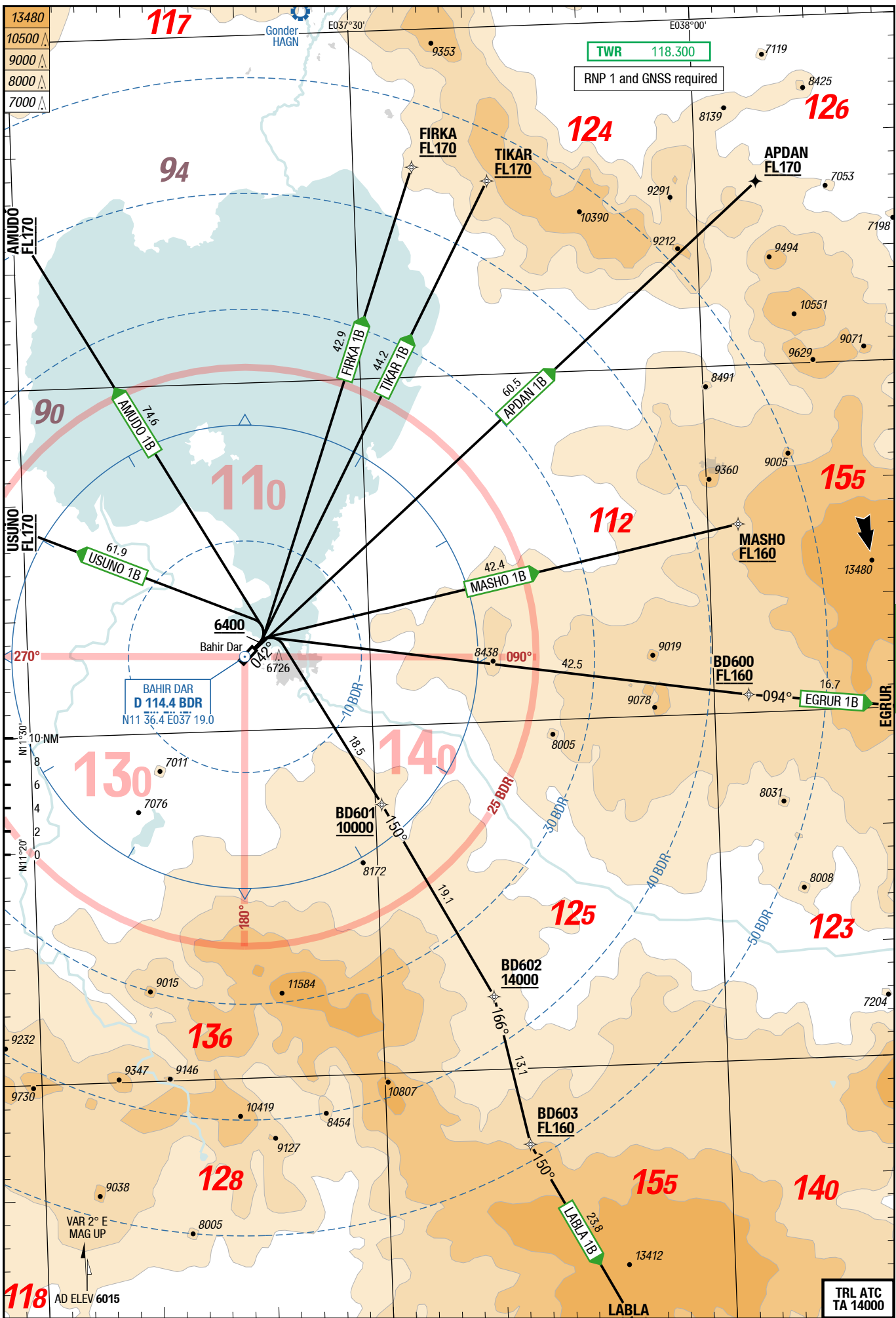
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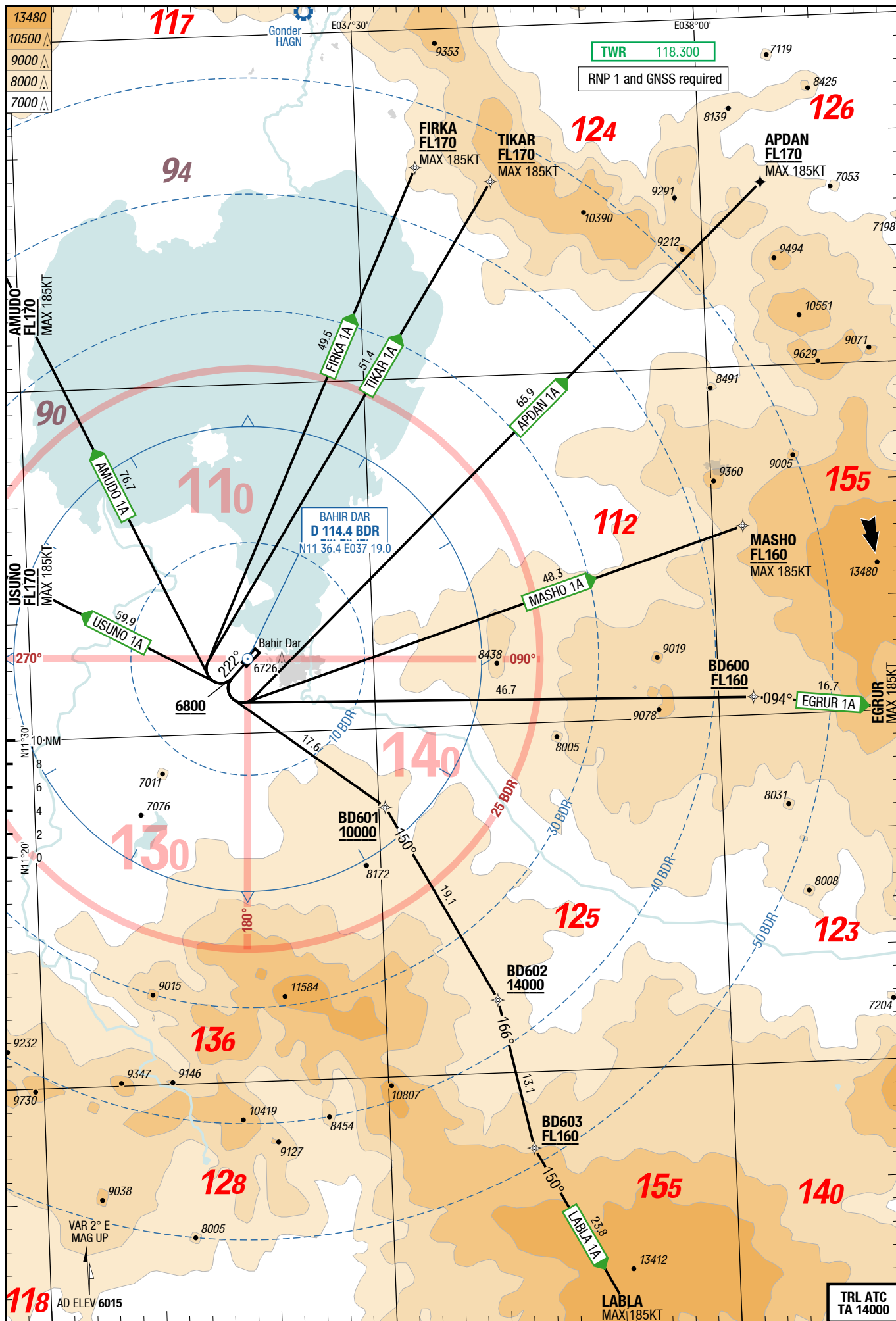
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Changes: Completely revised



Changes: new



Effective 12-OCT-2017

05-OCT-2017

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[RNAV SIDs Rwy 22]

4-30

RNAV SIDs Rwy 04

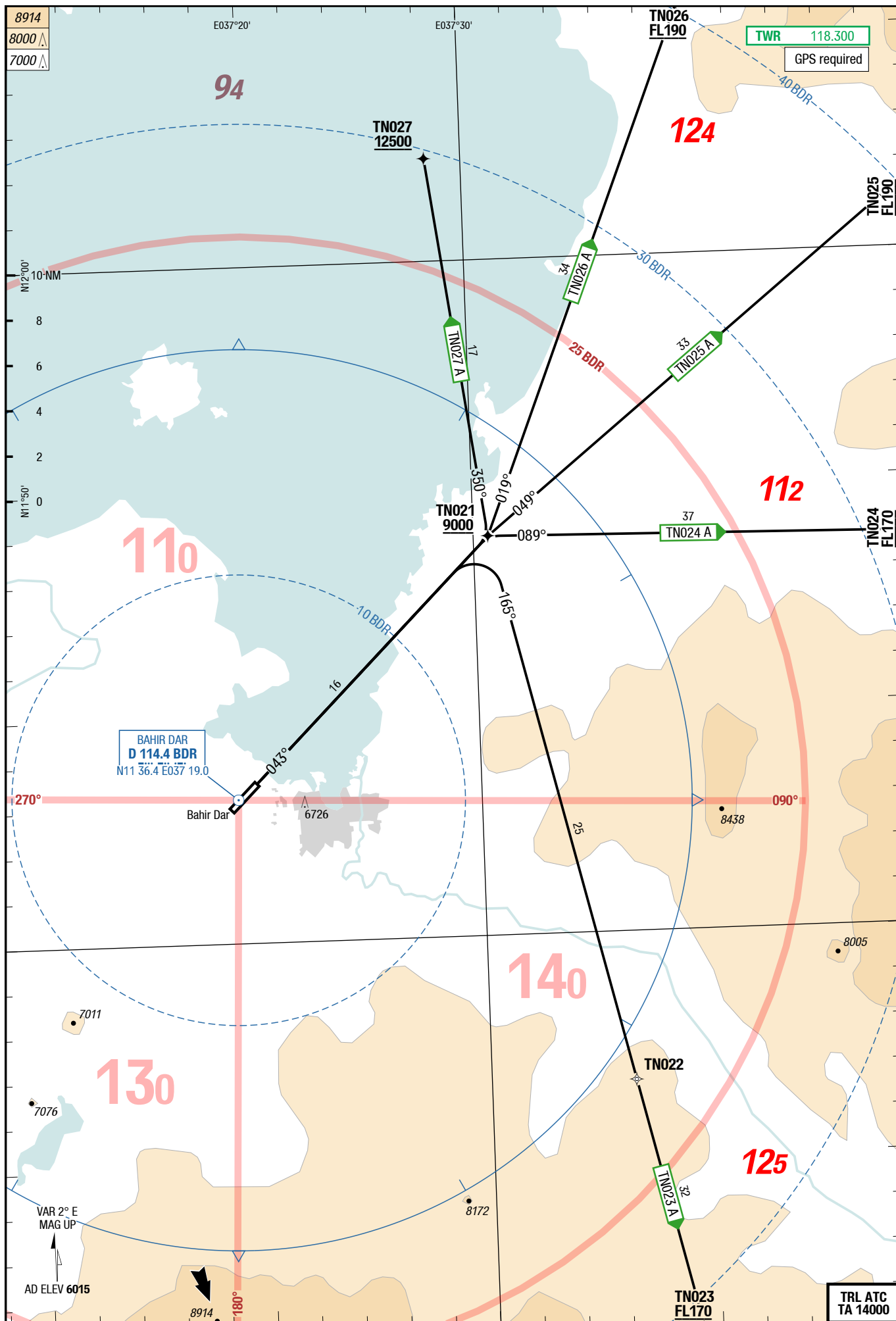
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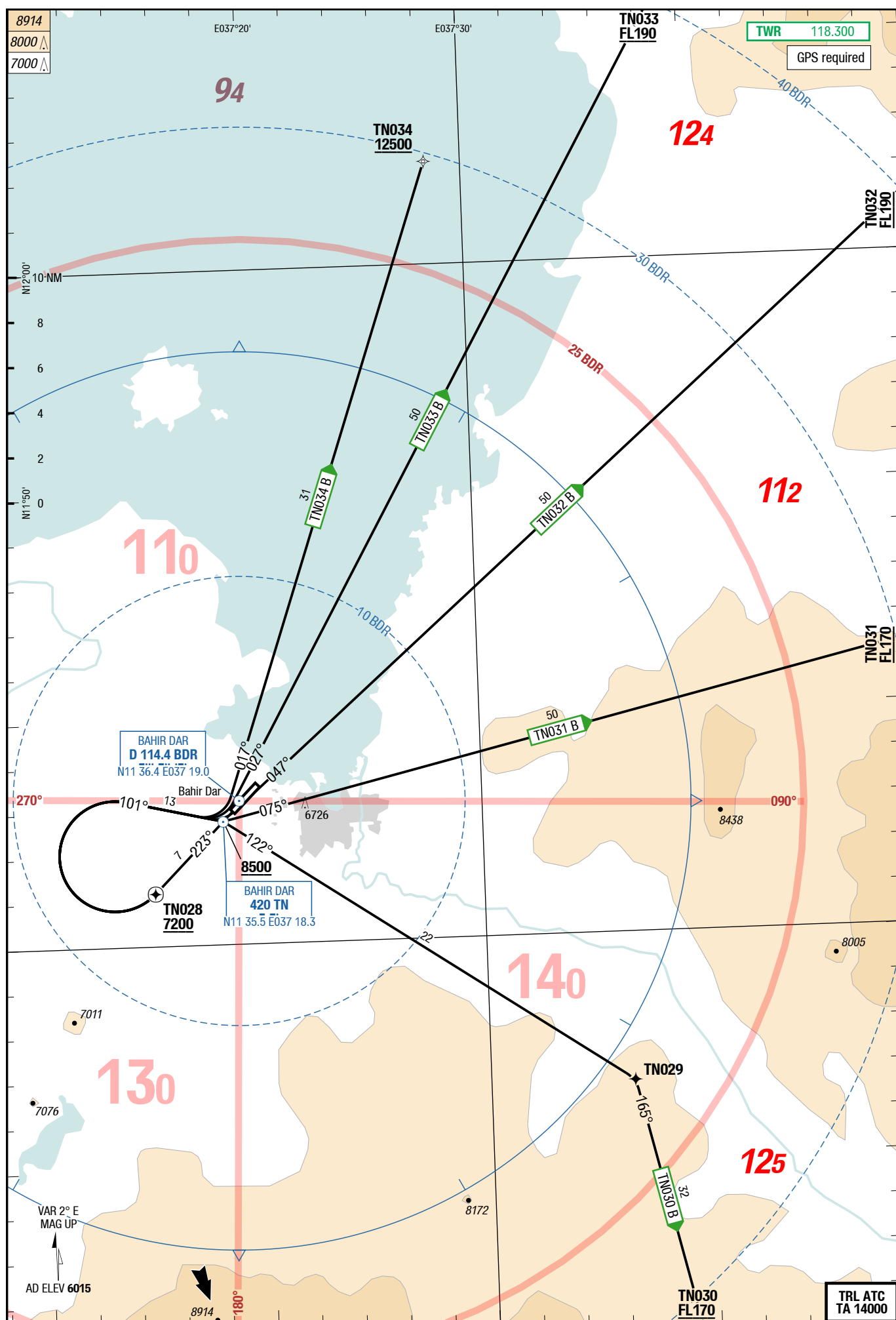
[RNAV SIDs Rwy 22]

RNAV SIDs Rwy 04



Bahir Dar Ethiopia

Bahir Dar Ethiopia



Changes: Completely revised

Effective 12-OCT-2017
05-OCT-2017

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SIDS RWY 04

SIDS RWY 22

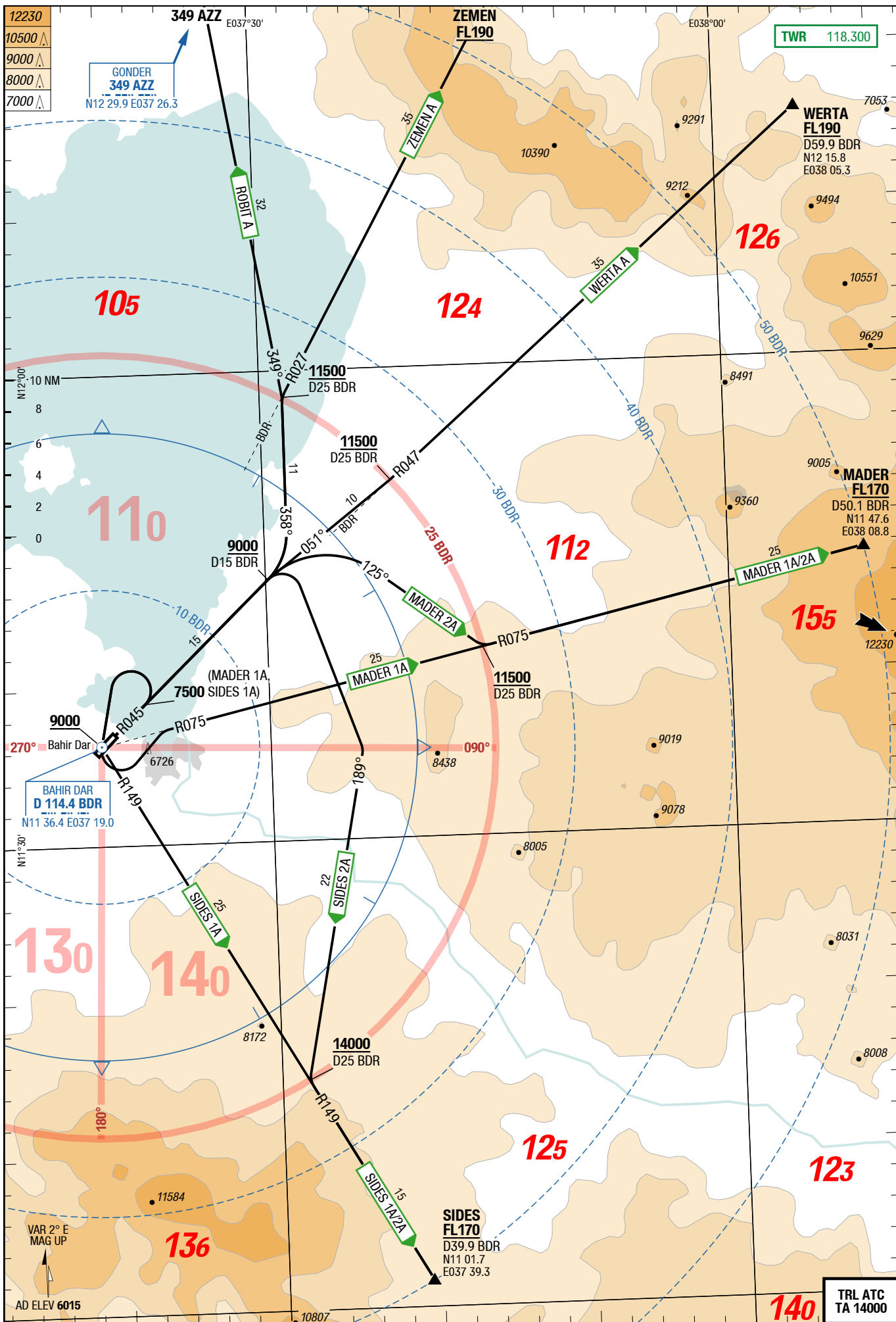
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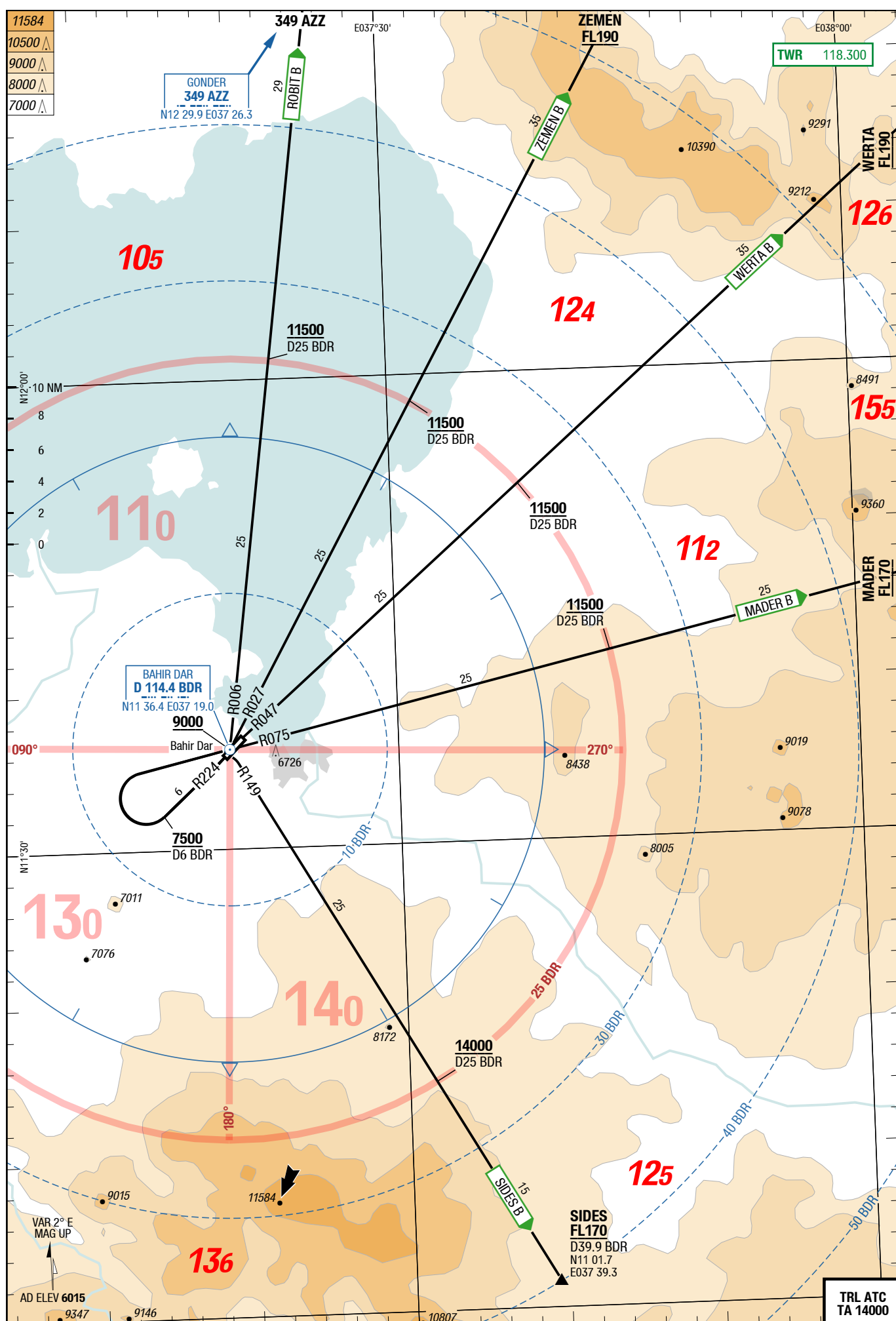
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SIDS RWY 04

SIDS RWY 22

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RNP SIDs RWY 04

AMUDO 1B / APDAN 1B / EGRUR 1B / FIRKA 1B / LABLA 1B / MASHO 1B / TIKAR 1B / USUNO 1B

RWY 04 (043°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 04	
AMUDO 1B 118.300	042° [A6400+ ;L] - DCT AMUDO	AMUDO MNM FL170
APDAN 1B 118.300	DCT APDAN	APDAN MNM FL170
EGRUR 1B 118.300	042° [A6400+ ;R] - DCT BD600 - EGRUR	BD600 MNM FL160
FIRKA 1B 118.300	042° [A6400+ ;L] - DCT FIRKA	FIRKA MNM FL170
LABLA 1B 118.300	042° [A6400+ ;R] - DCT BD601 - BD602 - BD603 - LABLA	BD601 MNM 10000 BD602 MNM 14000 BD603 MNM FL160
MASHO 1B 118.300	042° [A6400+ ;R] - DCT MASHO	MASHO MNM FL160
TIKAR 1B 118.300	042° [A6400+ ;L] - DCT TIKAR	TIKAR MNM FL170
USUNO 1B 118.300	042° [A6400+ ;L] - DCT USUNO	USUNO MNM FL170

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RNP SIDs RWY 22

AMUDO 1A / APDAN 1A / EGRUR 1A / FIRKA 1A / LABLA 1A / MASHO 1A / TIKAR 1A / USUNO 1A

RWY 22 (223°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 22	
AMUDO 1A 118.300	222° [A6800+ ;R] - DCT AMUDO [K185-]	AMUDO MNM FL170
APDAN 1A 118.300	222° [A6800+ ;L] - DCT APDAN [K185-]	APDAN MNM FL170
EGRUR 1A 118.300	222° [A6800+ ;L] - DCT BD600 - EGRUR [K185-]	BD600 MNM FL160
FIRKA 1A 118.300	222° [A6800+ ;R] - DCT FIRKA [K185-]	FIRKA MNM FL170
LABLA 1A 118.300	222° [A6800+ ;L] - DCT BD601 - BD602 - BD603 - LABLA [K185-]	BD601 MNM 10000 BD602 MNM 14000 BD603 MNM FL160
MASHO 1A 118.300	222° [A6800+ ;L] - DCT MASHO [K185-]	MASHO MNM FL160
TIKAR 1A 118.300	222° [A6800+ ;R] - DCT TIKAR [K185-]	TIKAR MNM FL170
USUNO 1A 118.300	222° [A6800+ ;R] - DCT USUNO [K185-]	USUNO MNM FL170

BJR-HABD**5-30****RNAV SIDs RWY 04****TN023 A / TN024 A / TN025 A / TN026 A / TN027 A**

RWY 04 (043°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 04	
TN023 A 118.300	at TN021 RT 165° to TN022 - TN023	TN021 MNM 9000 TN023 MNM FL170
TN024 A 118.300	at TN021 RT 089° to TN024	TN021 MNM 9000 TN024 MNM FL170
TN025 A 118.300	at TN021 RT 049° to TN025	TN021 MNM 9000 TN025 MNM FL190
TN026 A 118.300	at TN021 LT 019° to TN026	TN021 MNM 9000 TN026 MNM FL190
TN027 A 118.300	at TN021 LT 350° to TN027	TN021 MNM 9000 TN027 MNM 12500

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RNAV SIDs RWY 22

TN030 B / TN031 B / TN032 B / TN033 B / TN034 B

RWY 22 (223°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100

DESIGNATOR	ROUTING	ALTITUDES
	Runway 22	
TN030 B 4.0% to 7200 118.300	at TN028 RT 101° to TN - RT 122° to TN029 - RT 165° to TN030	TN028 MNM 7200 TN MNM 8500 TN030 MNM FL170
TN031 B 4.0% to 7200 118.300	at TN028 RT 101° to TN - LT 075° to TN031	TN028 MNM 7200 TN MNM 8500 TN031 MNM FL170
TN032 B 4.0% to 7200 118.300	at TN028 RT 101° to TN - LT 047° to TN032	TN028 MNM 7200 TN MNM 8500 TN032 MNM FL190
TN033 B 4.0% to 7200 118.300	at TN028 RT 101° to TN - LT 027° to TN033	TN028 MNM 7200 TN MNM 8500 TN033 MNM FL190
TN034 B 4.0% to 7200 118.300	at TN028 RT 101° to TN - LT 017° to TN034	TN028 MNM 7200 TN MNM 8500 TN034 MNM 12500

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SIDs RWY 04

MADER 1A / MADER 2A / ROBIT A / SIDES 1A / SIDES 2A / WERTA A / ZEMEN A
RWY 04 (043°)

DESIGNATOR	ROUTING	ALTITUDES
	Runway 04	
MADER 1A 118.300	intercept R045 BDR - at 7500 LT to BDR - LT R075 BDR to MADER	BDR MNM 9000 D25 BDR MNM 11500 MADER MNM FL170
MADER 2A 118.300	intercept R045 BDR - at D15 BDR RT 125° - intercept R075 BDR to MADER	D15 BDR MNM 9000 D25 BDR MNM 11500 MADER MNM FL170
ROBIT A 118.300	intercept R045 BDR - at D15 BDR LT 358° to D25 BDR - 349° to AZZ	D15 BDR MNM 9000 D25 BDR MNM 11500
SIDES 1A 118.300	intercept R045 BDR - at 7500 LT to BDR - LT R149 BDR to SIDES	BDR MNM 9000 D25 BDR MNM 14000 SIDES MNM FL170
SIDES 2A 118.300	intercept R045 BDR - at D15 BDR RT 189° - intercept R149 BDR to SIDES	D15 BDR MNM 9000 D25 BDR MNM 14000 SIDES MNM FL170
WERTA A 118.300	intercept R045 BDR - at D15 BDR RT 051° - intercept R047 BDR to WERTA	D15 BDR MNM 9000 D25 BDR MNM 11500 WERTA MNM FL190
ZEMEN A 118.300	intercept R045 BDR - at D15 BDR LT 358° - intercept R027 BDR to ZEMEN	D15 BDR MNM 9000 D25 BDR MNM 11500 ZEMEN MNM FL190

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SIDs RWY 22

MADER B / ROBIT B / SIDES B / WERTA B / ZEMEN B

RWY 22 (223°)

	GS	120	150	180	210	240	270
4.0%	ft/MIN	500	700	800	900	1000	1100

DESIGNATOR	ROUTING	ALTITUDES
	Runway 22	
MADER B 4.0% to 7500 118.300	intercept R224 BDR - at D6 BDR RT to BDR - R075 BDR to MADER	D6 BDR MNM 7500 BDR MNM 9000 D25 BDR MNM 11500 MADER MNM FL170
ROBIT B 4.0% to 7500 118.300	intercept R224 BDR - at D6 BDR RT to BDR - LT R006 BDR to AZZ	D6 BDR MNM 7500 BDR MNM 9000 D25 BDR MNM 11500
SIDES B 4.0% to 7500 118.300	intercept R224 BDR - at D6 BDR RT to BDR - RT R149 BDR to SIDES	D6 BDR MNM 7500 BDR MNM 9000 D25 BDR MNM 14000 SIDES MNM FL170
WERTA B 4.0% to 7500 118.300	intercept R224 BDR - at D6 BDR RT to BDR - LT R047 BDR to WERTA	D6 BDR MNM 7500 BDR MNM 9000 D25 BDR MNM 11500 WERTA MNM FL190
ZEMEN B 4.0% to 7500 118.300	intercept R224 BDR - at D6 BDR RT to BDR - LT R027 BDR to ZEMEN	D6 BDR MNM 7500 BDR MNM 9000 D25 BDR MNM 11500 ZEMEN MNM FL190

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RNP STARs RWY 22

RNP STARs RWY 04

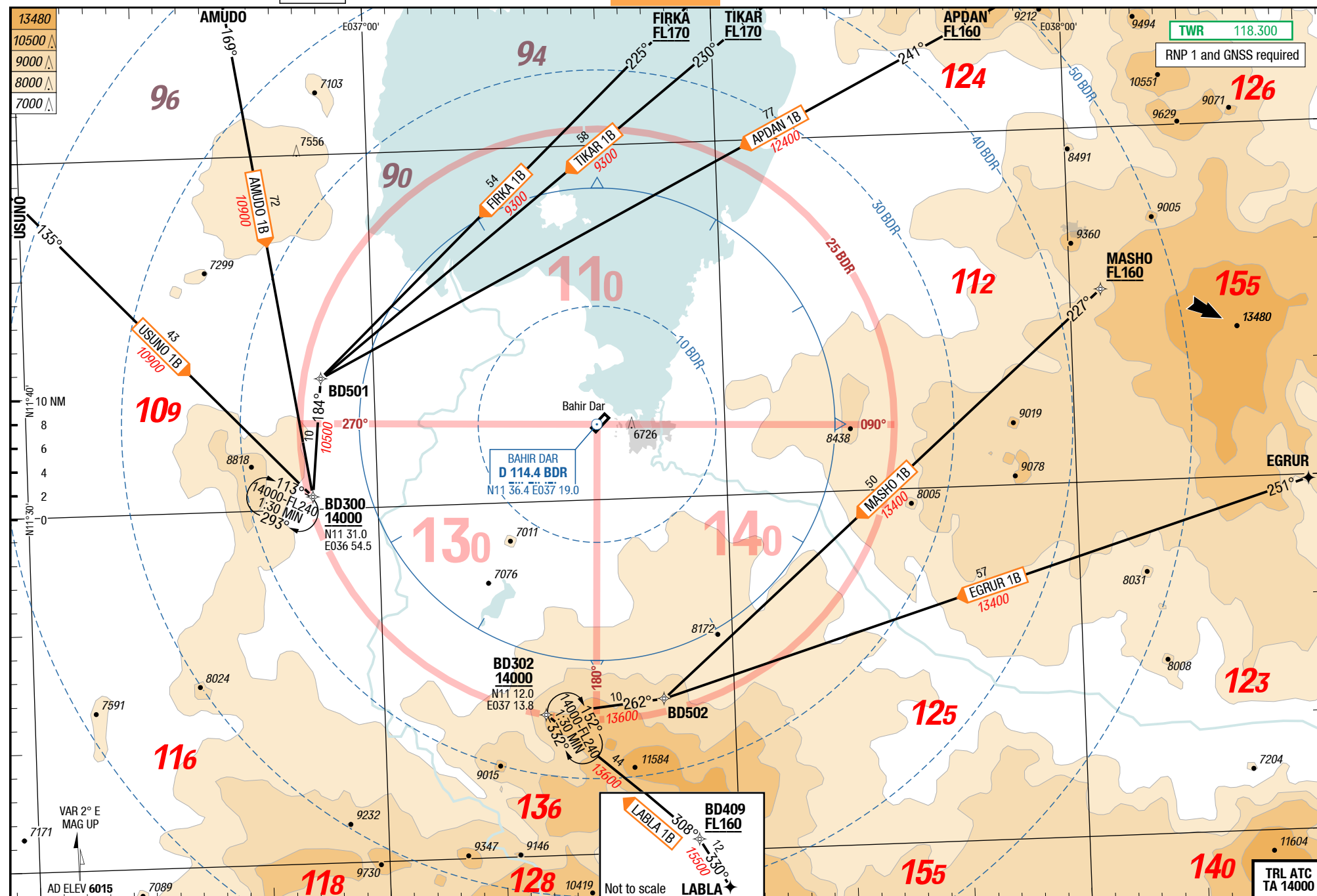
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RNP STARs RWY 22

RNP STARs RWY 04

6-10



Changes: new

© Lido 2017

Effective 12-OCT-2017

05-OCT-2017

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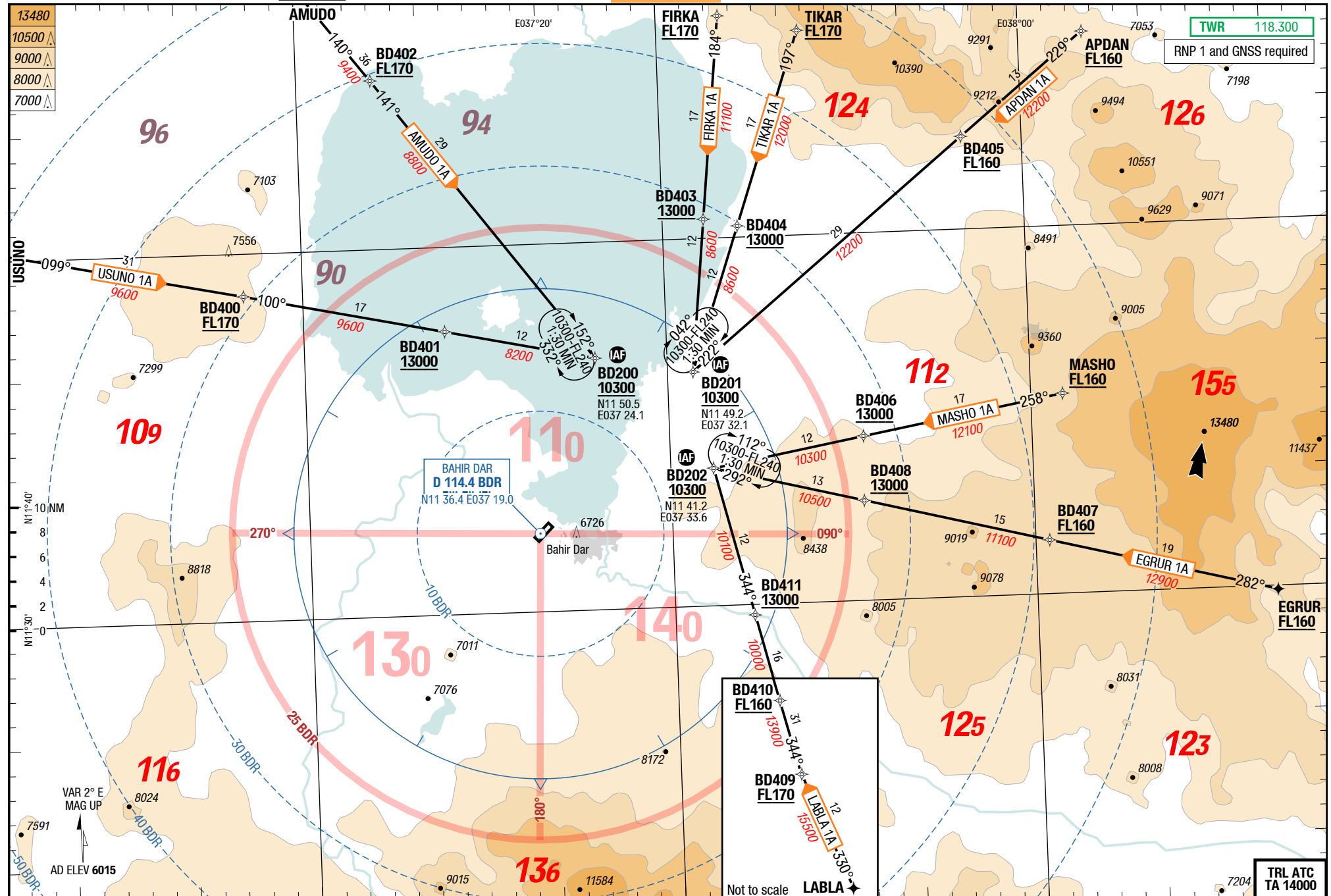
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6-20

RNP STARs RWY 22

RNP STARs RWY 22



Changes: new

05-OCT-2017

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Ethiopia **Bahir Dar** Bahir Dar Ginbot Haya Intl

RNAV STARs RWY 22

6-30

RNAV STARs RWY 04

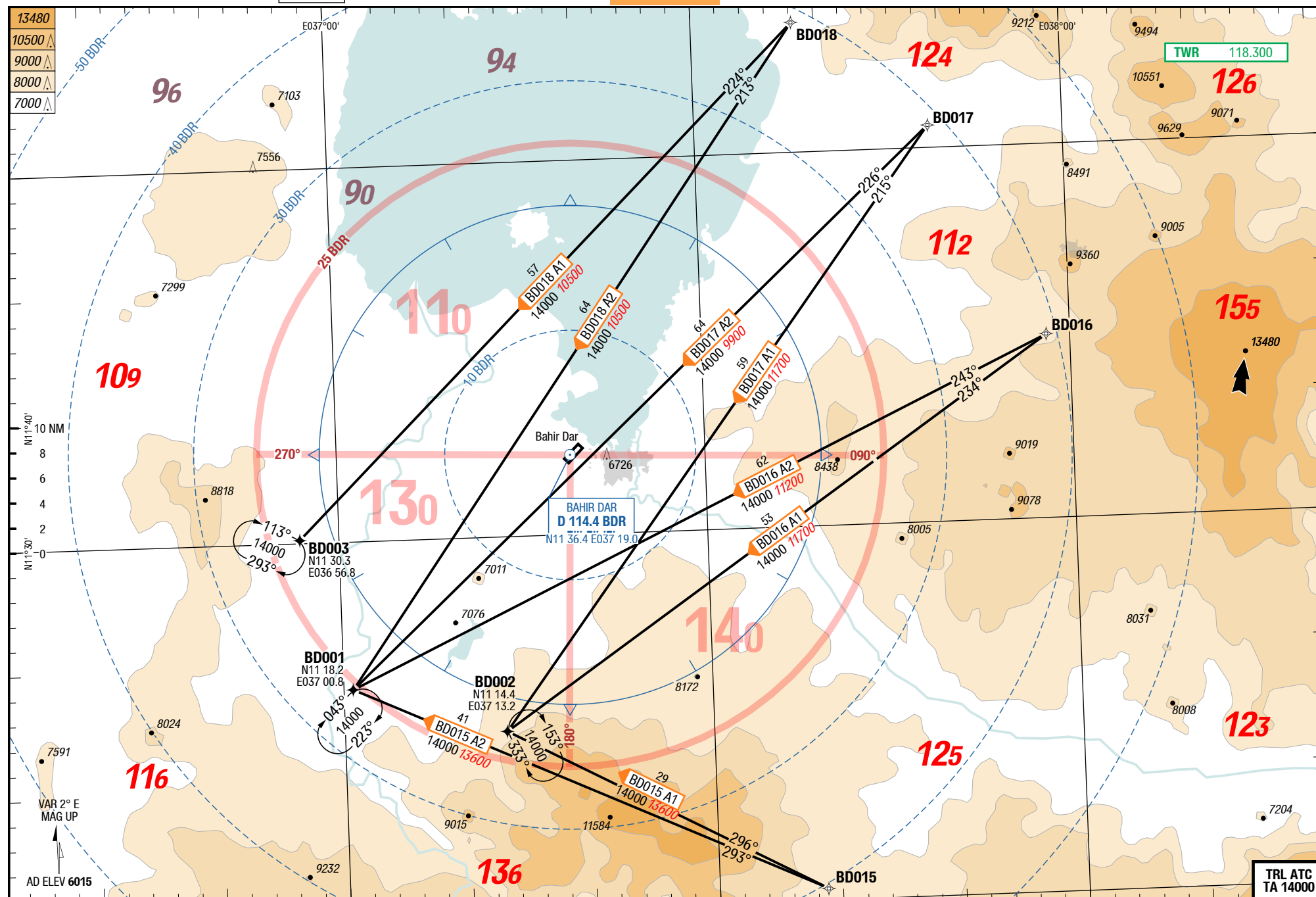
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RNAV STARs RWY 22

RNAV STARs RWY 04



Changes: Completely revised

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05-OCT-2017

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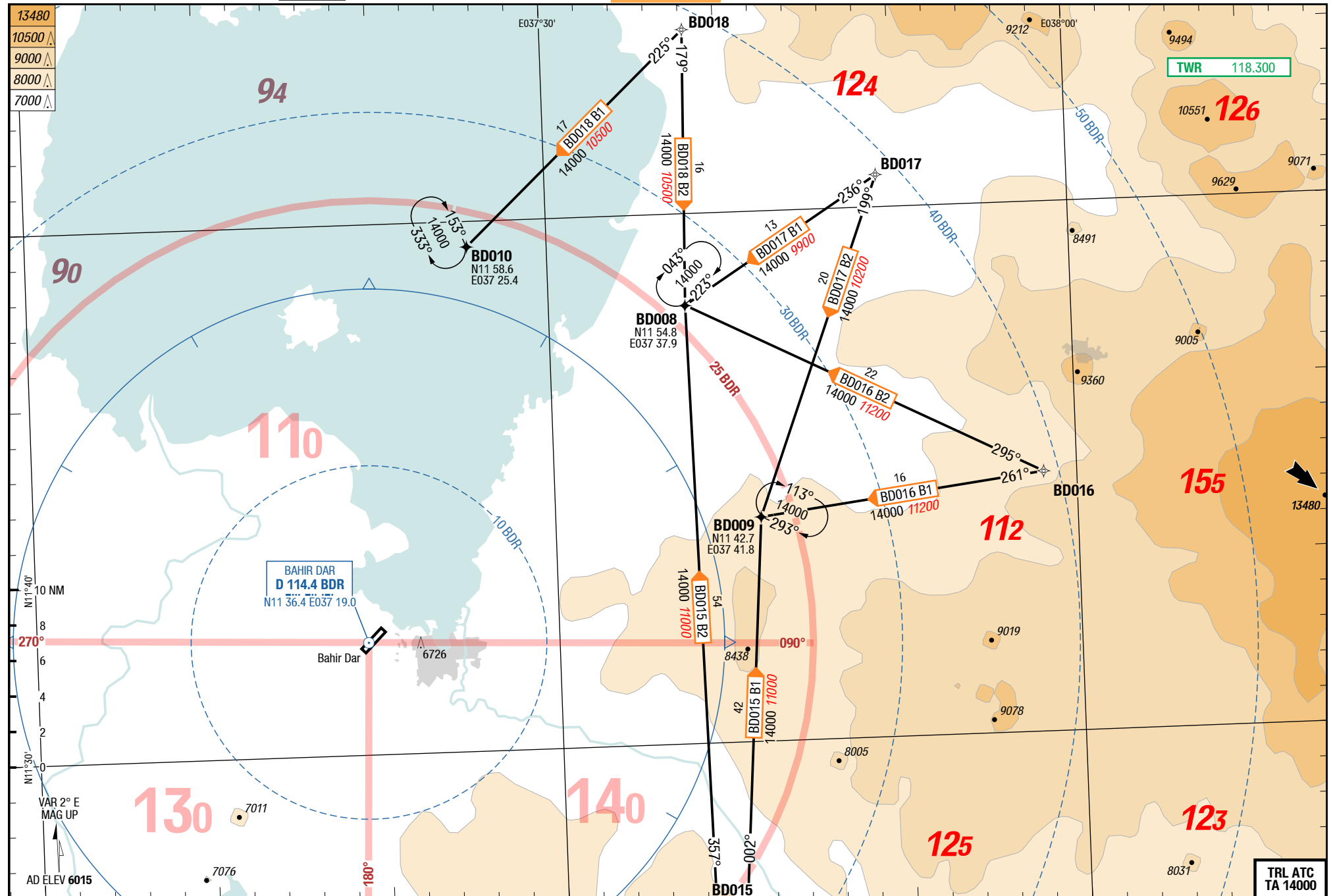
6-40

RNAV STARs RWY 22

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RNAV STARs RWY 22



Changes: Completely revised

16-AUG-2018

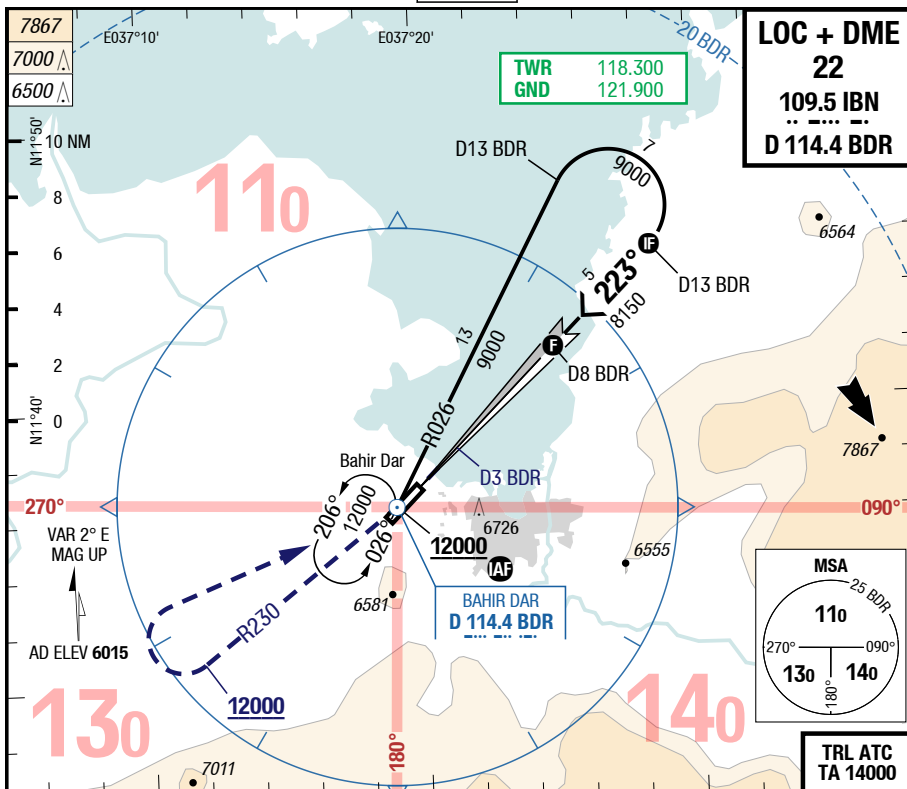
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7-10

LOC + DME 22



22		LOC DME BDR	Circling			
C	ft - m/km ft	920 - 2.8V 6830				C 1320 - 5.0V 7120
D	ft - m/km ft	920 - 2.8V 6830				C 1320 - 5.0V 7120

Changes: LDA

RNAV (GNSS) Z 04



04		RNAV GNSS VNAV 1) 2) 3)	RNAV GNSS LNAV				Circling
C	ft - m/km ft	470 - 2.2 6500	520 - 2.4 6550				990 - 2.4V 7000
D	ft - m/km ft	470 - 2.2 6500	520 - 2.4 6550				990 - 3.6V 7000

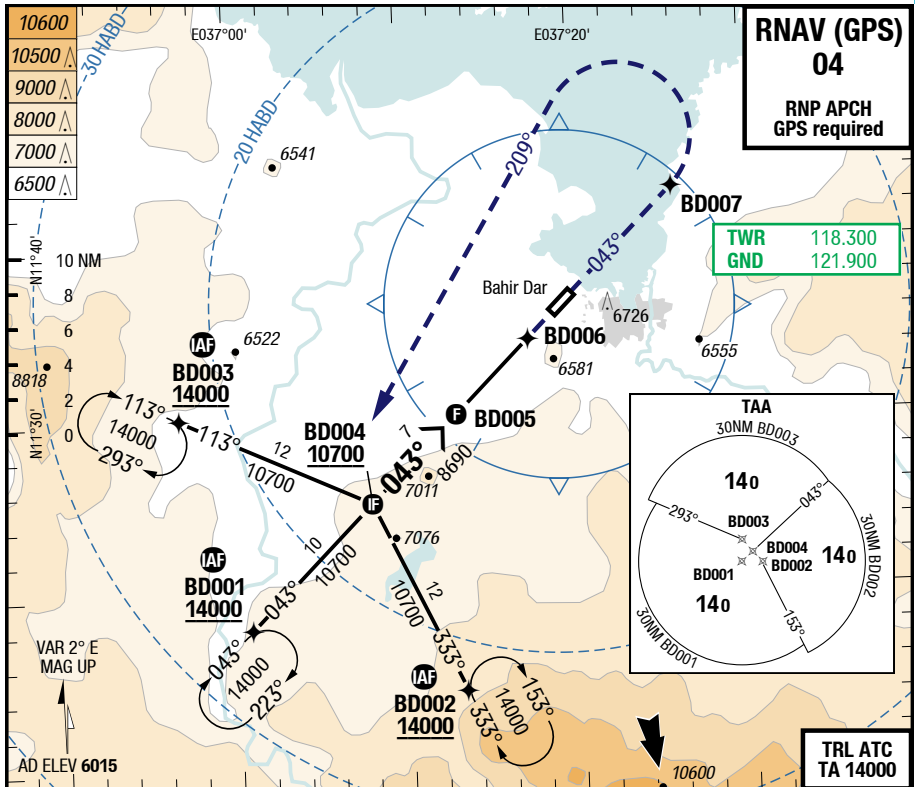
3) With EVS 1.5km

Changes: MIN, LDA, THR ELEV

16-AUG-2018

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7-40

RNAV (GPS) 04

04		RNAV GPS		Circling	
C	ft - m/km	790 - 2.8V		C 1320 - 5.0V	
	ft	6830		7120	
D	ft - m/km	Not published		Not published	

Changes: MIN, LDA, THR ELEV

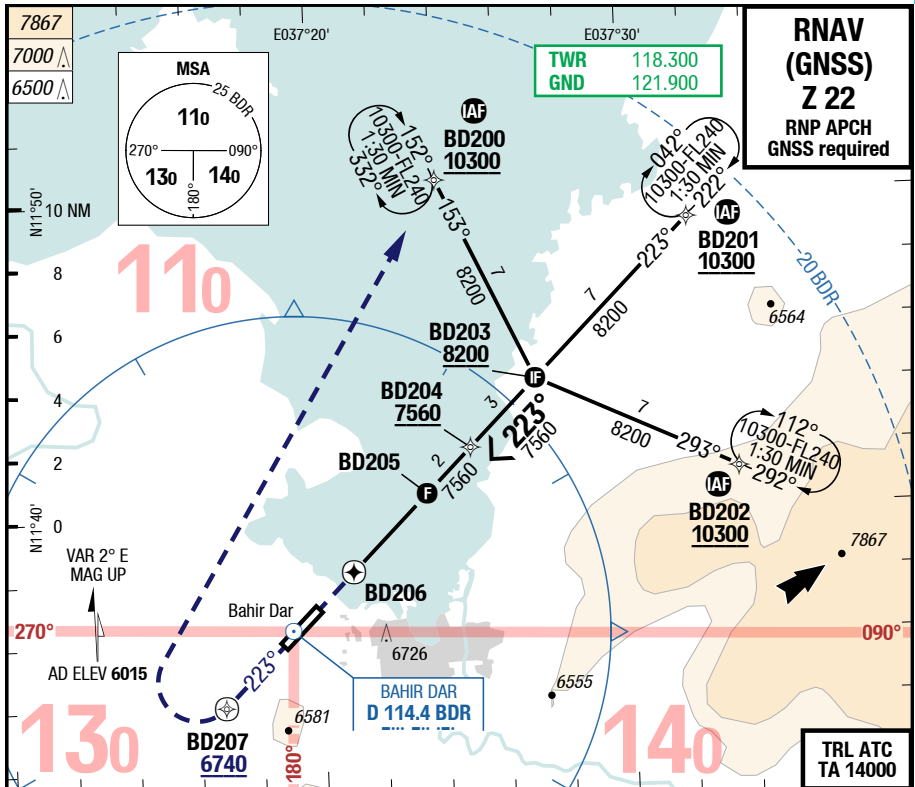
16-AUG-2018

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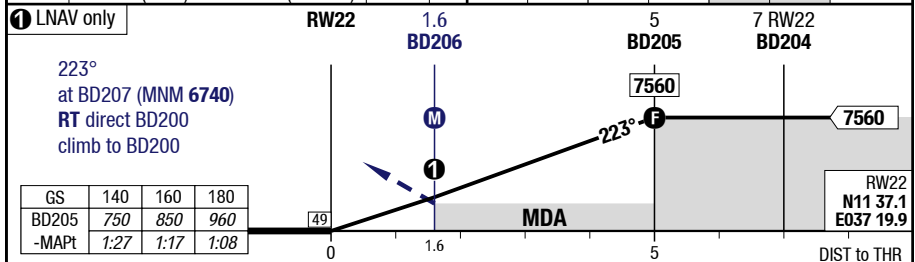
7-50

RNAV (GNSS) Z 22

IAC



60 L	45 x 3700	2	3	4	5			3.01°
+1.0% TDZ --- (---%) / THR 5916 (195hPa)		6610	6930	7250	7560			RW22



22	RNAV GNSS VNAV 1) 2)	RNAV GNSS LNAV				Circling
C	ft - m/km ft 6390	480 - 2.2 570 - 2.4 6480				990 - 2.4V 7000
D	ft - m/km ft 6390	480 - 2.2 570 - 2.4 6480				990 - 3.6V 7000

1) Uncompensated BARO VNAV NA below 0°C (32°F)

2) With EVS 1.5km

Changes: LDA

16-AUG-2018

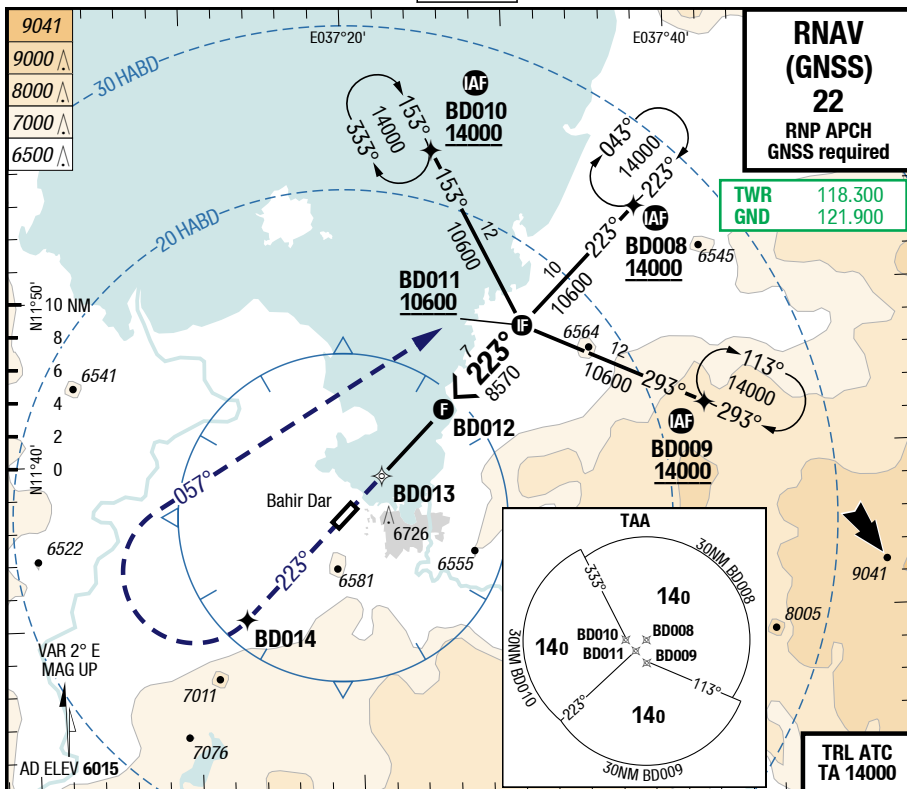
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IAC

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7-60

RNAV (GNSS) 22



60 L 45 x 3700

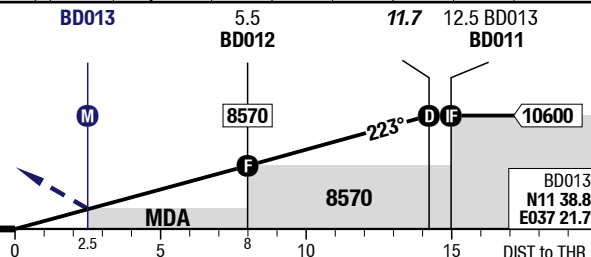
+1.0% TDZ --- (---%) / THR 5916 (195hPa)

22

1	2	3	4	9	11.7	3.07°
7110	7430	7760	8090	9720	10600	BD013

223°
at BD014 RT 057°
to BD008
climb 14000

GS	140	160	180
BD012	760	870	980
-MAPt	2:21	2:04	1:50



22	RNAV GNSS LNAV					Circling
C	ft - m/km ft	920 - 2.8V 6830				C 1320 - 5.0V 7120
D	ft - m/km ft	Not published				Not published

Changes: LDA

16-AUG-2018

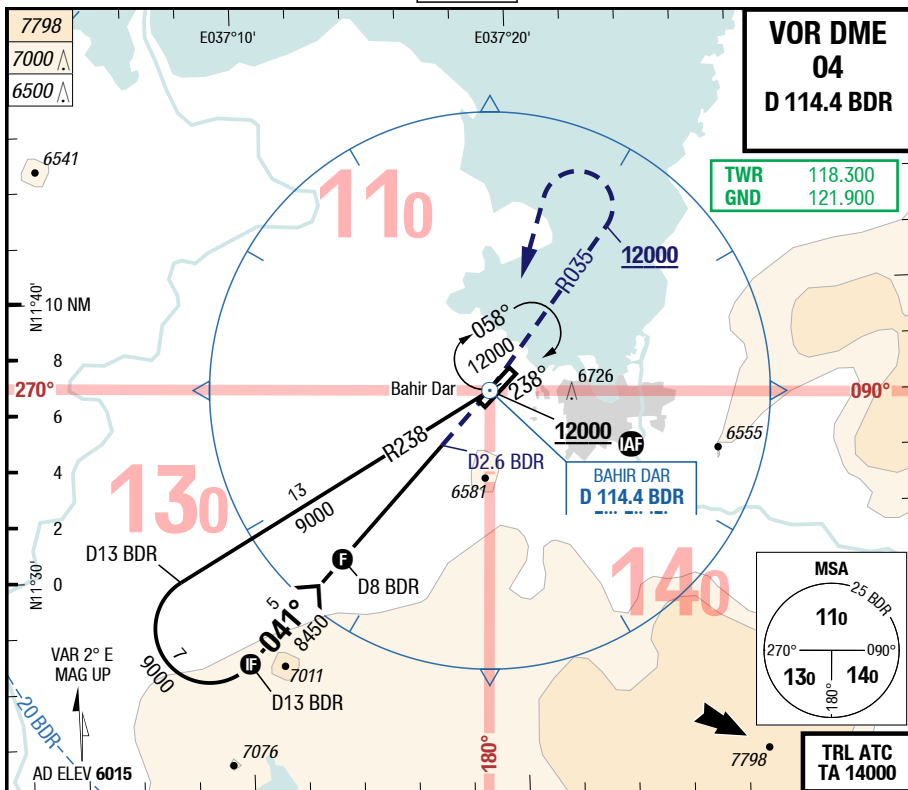
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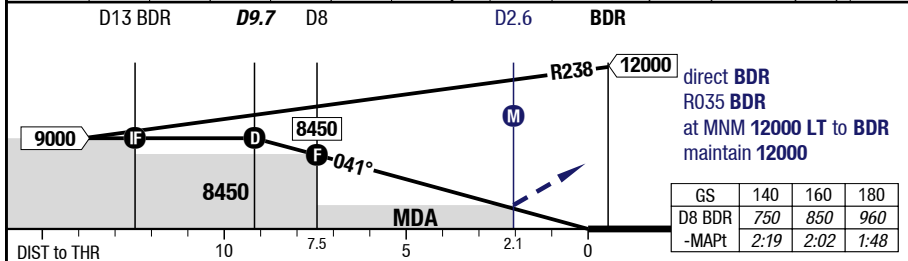
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7-70

VOR DME 04



3.00° D BDR 041° RWY 043°	9.7	7	6	5	4	3	04	3700 x 45	60 L
	9000	8130	7810	7490	7170	6850			



04	VOR DME					Circling
C	ft - m/km ft	790 - 2.8V 6830				C 1320 - 5.0V 7120
D	ft - m/km ft	790 - 2.8V 6830				C 1320 - 5.0V 7120

Changes: MIN, LDA, THR ELEV

16-AUG-2018

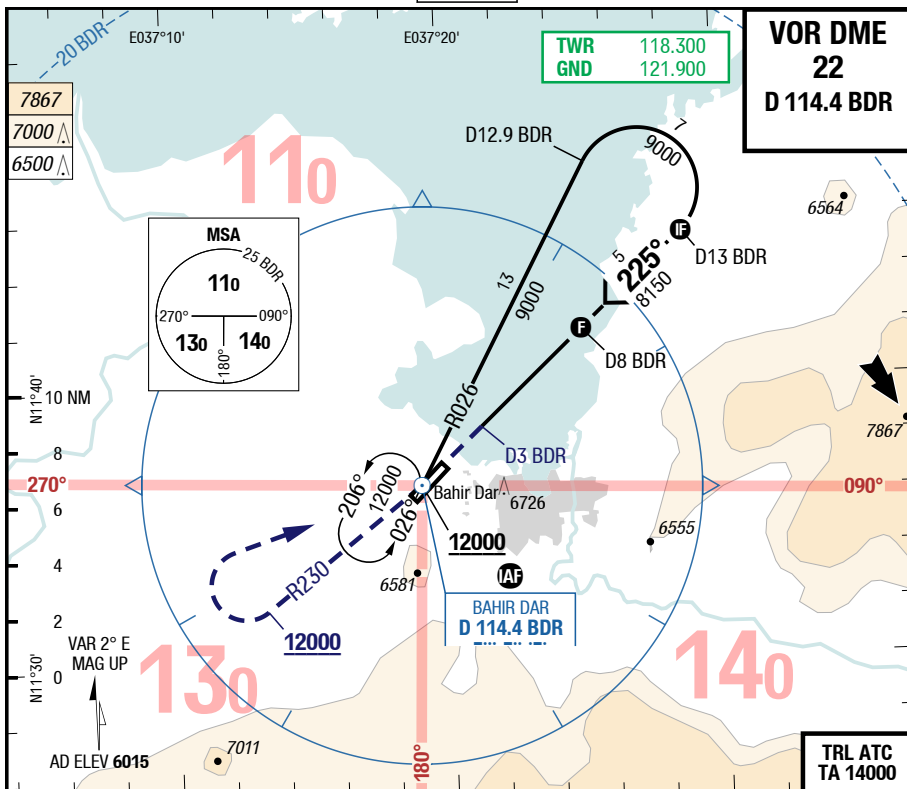
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7-80

VOR DME 22

IAC



Changes: LDA