GENERAL

Operational Hours

ATS Hours / AD OPS Hours: H24

AD ADMIN Hours: MON-THU 0115-1000, FRI 0115-0845, SAT/SUN/HOL U/S

Airport Information

RFF: CAT 7, CAT 8 AVBL O/R 1 day PN.
Fuel: TS-1 (equivalent Jet A-1)
PCN: RWY 06: First 348m: 52/F/C/X/T; last 2505m: 44/R/B/X/T.
RWY 24: First 2505m: 44/R/B/X/T; last 348m: 52/F/C/X/T

Operation

Traffic Notes
AD AVBL for ACFT B-747 and modifications PPR 48HR. Not AVBL as ALTN AD for those ACFT.

Low Visibility Procedures
LVP in force when RVR below 550m.

Enter RWY 06 via TWY M with holding before TWY D
Enter RWY 24 via TWY M with holding before TWY A.

When VIS below 800m taxiing/towing along TWY E prohibited.

Intersection TKOF prohibited during LVP.

Follow-me mandatory.

TWY Restriction
TWY E width 17m / 56ft.

Taxi/Parking
Follow-me O/R.

For taxiing of ACFT An-124 and B-747 follow-me mandatory.

During winter conditions taxi guidelines may not be visible, REQ follow-me via taxiing controller.

Warnings

Birds in vicinity of AD.

ARRIVAL

Communication

COM Failure: See CRAR Russia and in addition;
In case of COM failure while entering Barnaul CTA, continue to proceed at last FL assigned by ATC towards radio navigation fix of RWY 06/24 active direction (NDB/MKR RWY 06, LOM RWY 24, LMM RWY 24, VOR/DME), enter the holding area over navigation facility and hold descending to FL050. At ETA or as close as possible to ETA carry out APCH according chart.

LDG shall be carried out not later than 30min after ETA.

If LDG at AD is not possible, after MISAP proceed to alternate AD climbing according to SID to MNM safe FL or to especially established for flight without radio COM FL140, FL150 or FL240, FL250 depending on flight direction to alternate AD.

Arrival Procedure

Non-standard GP Intercept Position on RWY 06
GP intercept RWY 06 at 307m / 1008ft after landing threshold.
Remaining LDG DIST beyond GP is 2198m / 7211ft.

DEPARTURE

Take-off Minima

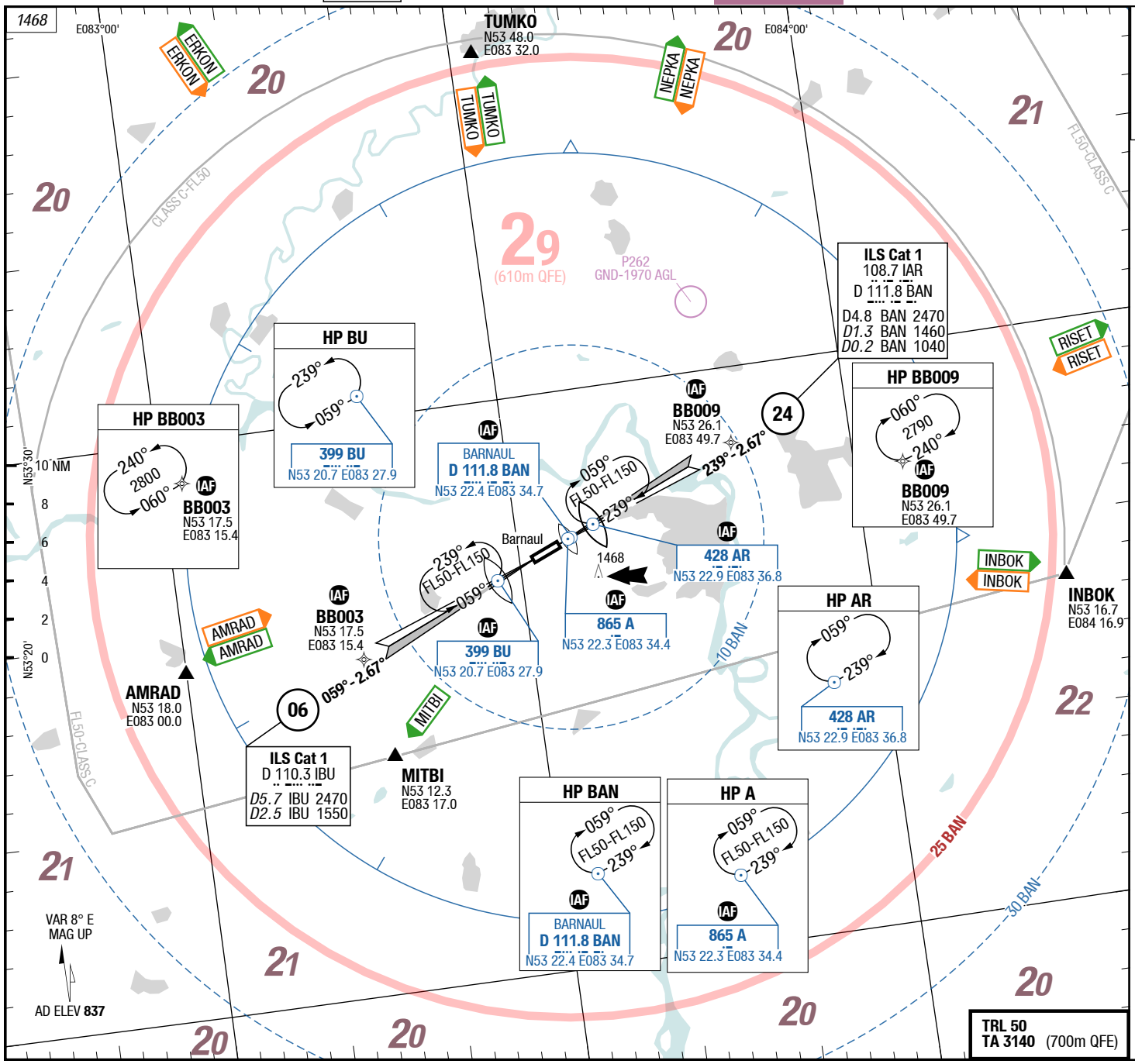
RWY		06/24	
All ACFT	ft - m/km	0 - 300R/300V	-

Communication

COM Failure: See CRAR Russia and in addition;
In case of COM failure after TKOF (if at 200m / 656ft) COM with TWR is not established, climb to AD traffic circuit height, proceed in accordance with APCH pattern and land at AD.

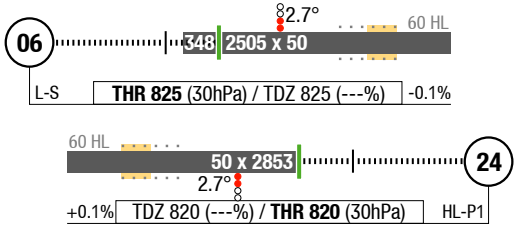
De-Icing

AVBL.

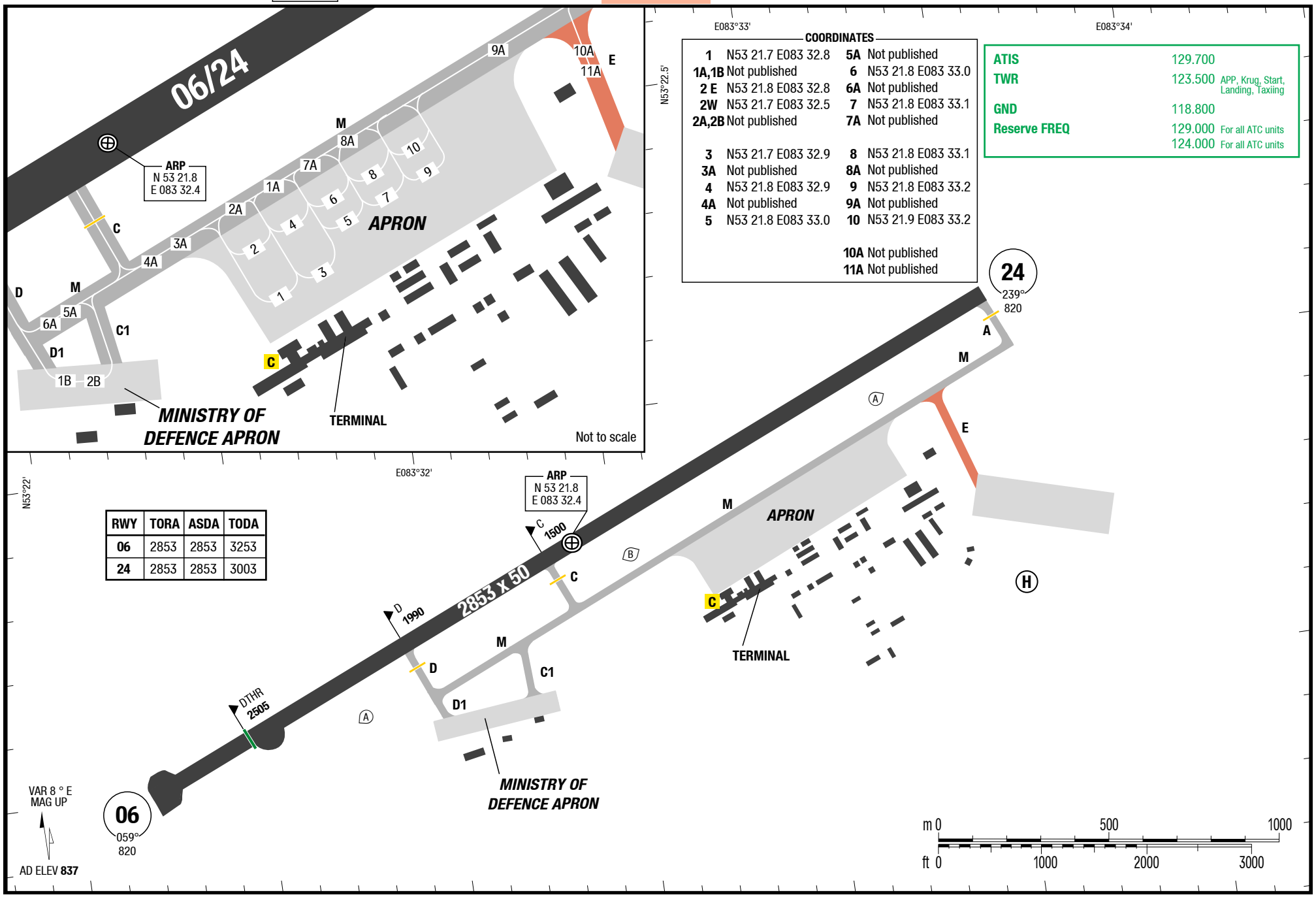


ATIS	129.700	
TWR	123.500	APP, Krug, Start, Landing, Taxiing
GND	118.800	
Reserve FREQ	129.000	For all ATC units
	124.000	For all ATC units

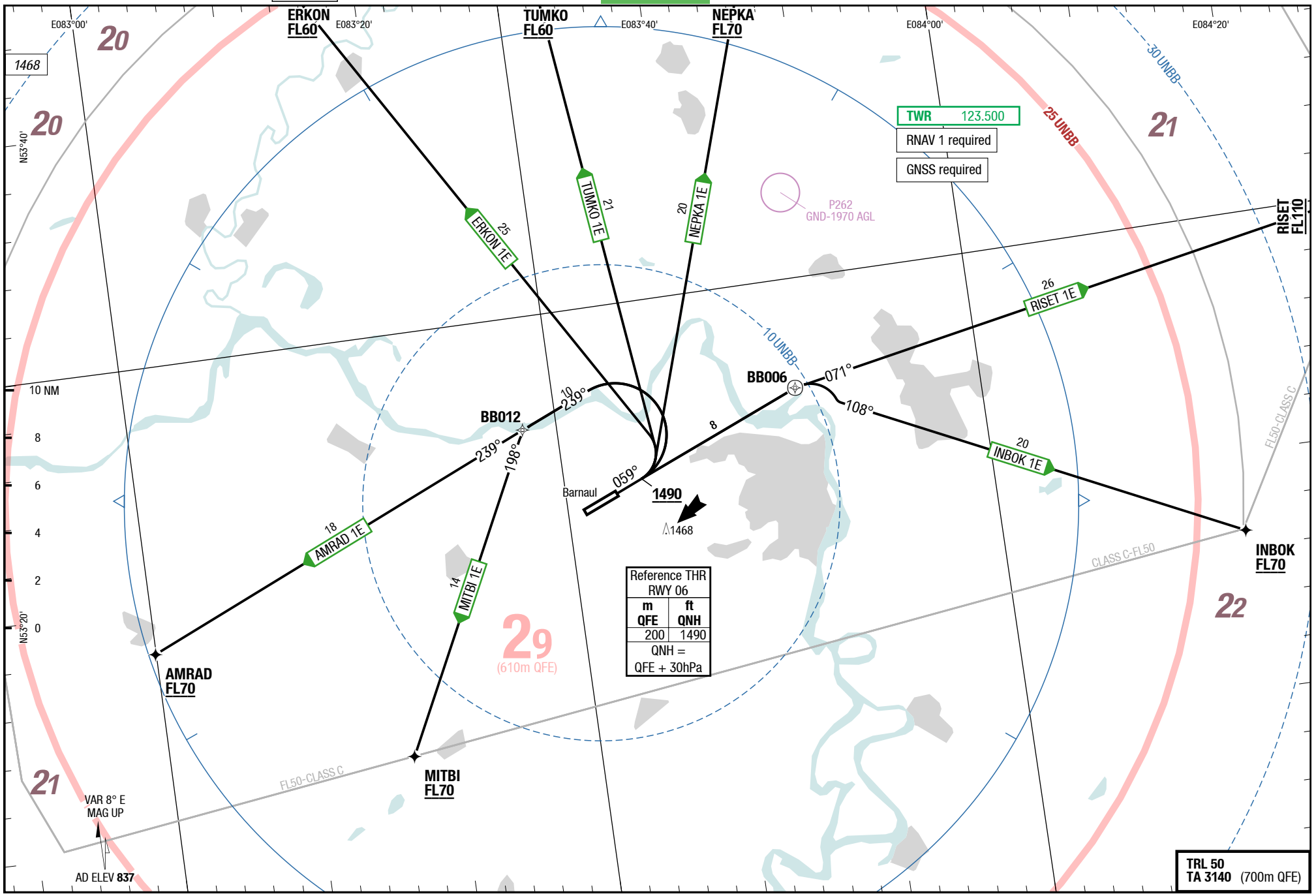
Landing RWY system:



Changes: Nil



Changes: Parking Stands , COORD



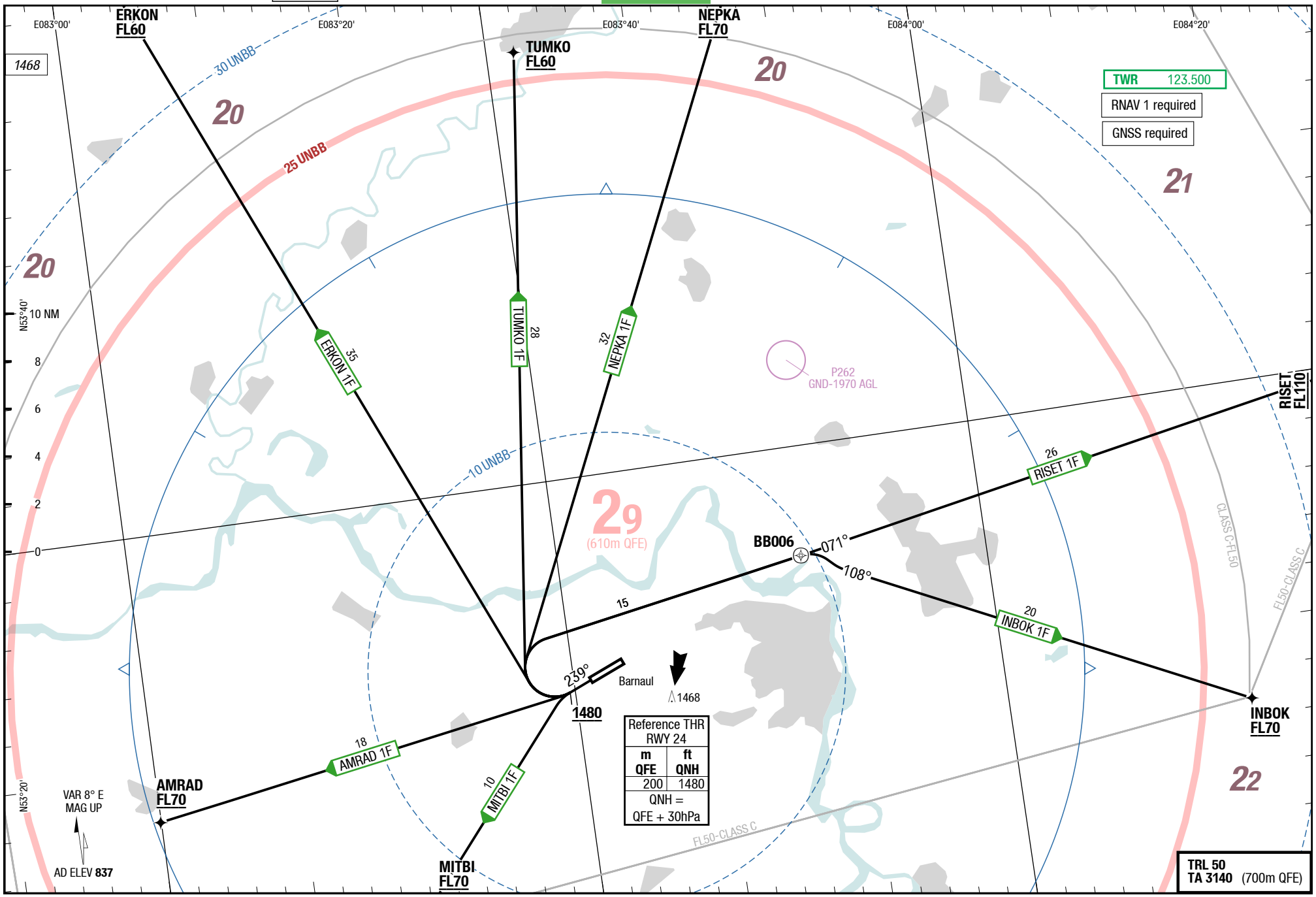
Changes: new

BAX-UNBB

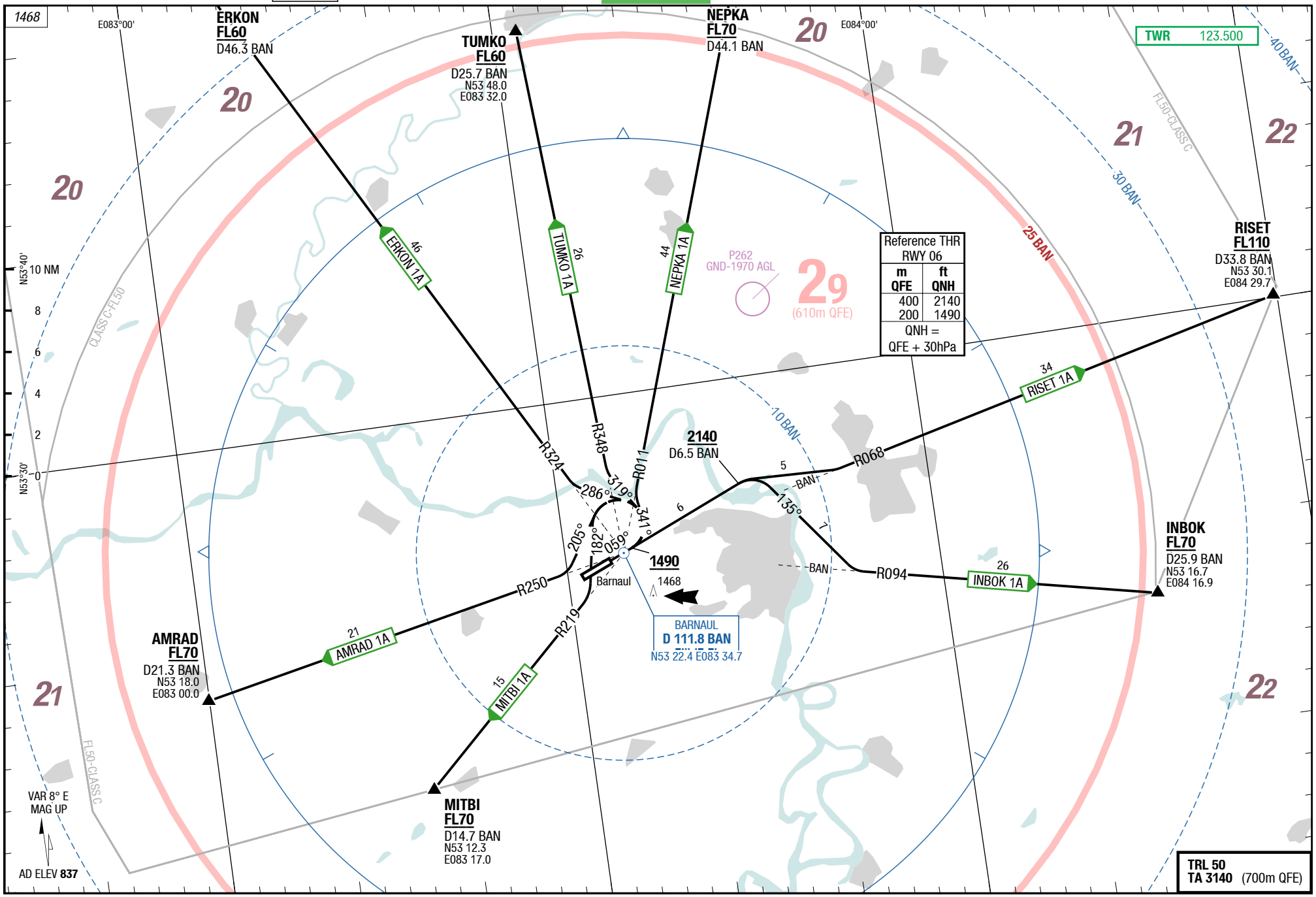
4-20

RNAV SIDs RWY 24

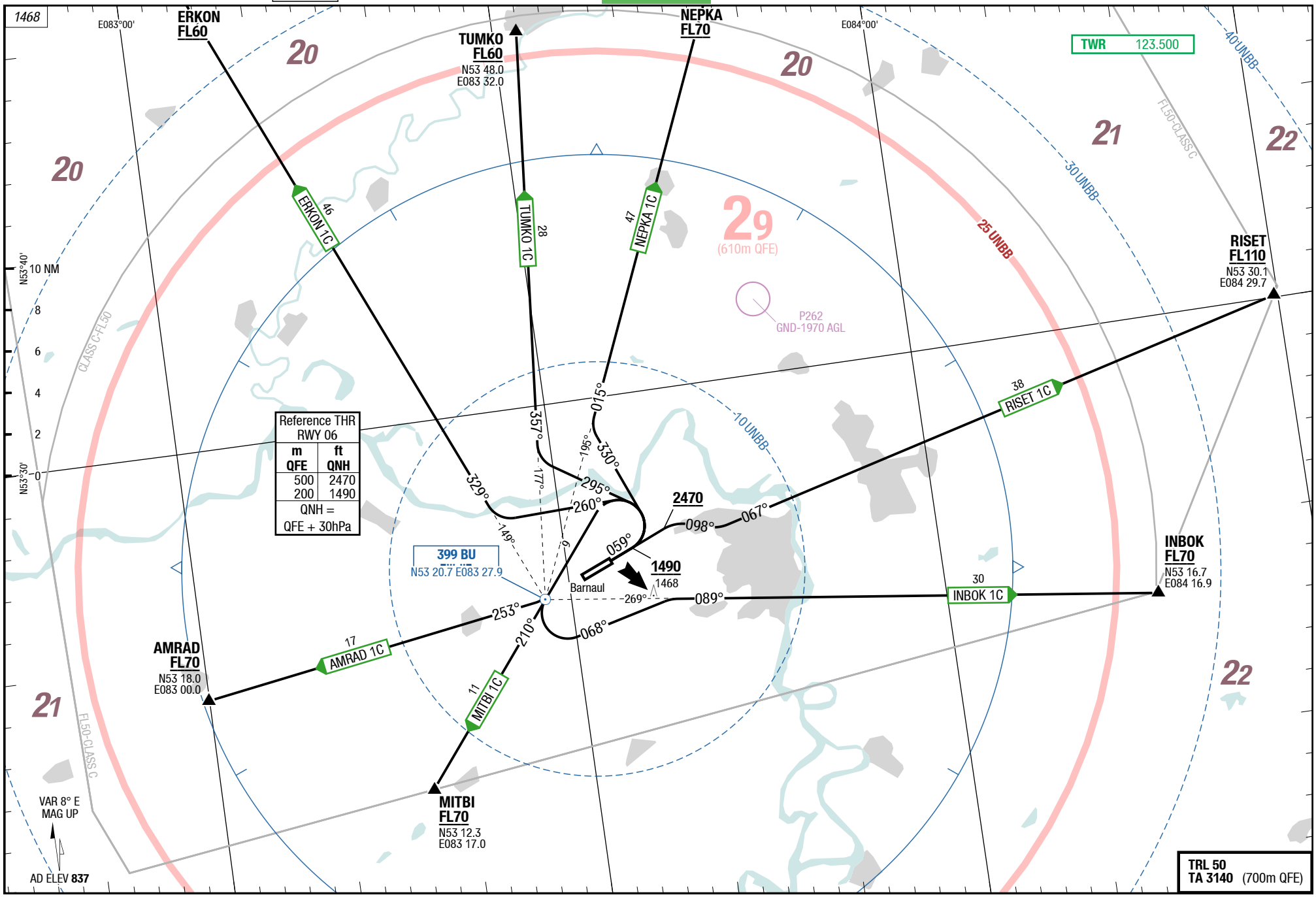
RNAV SIDs RWY 24



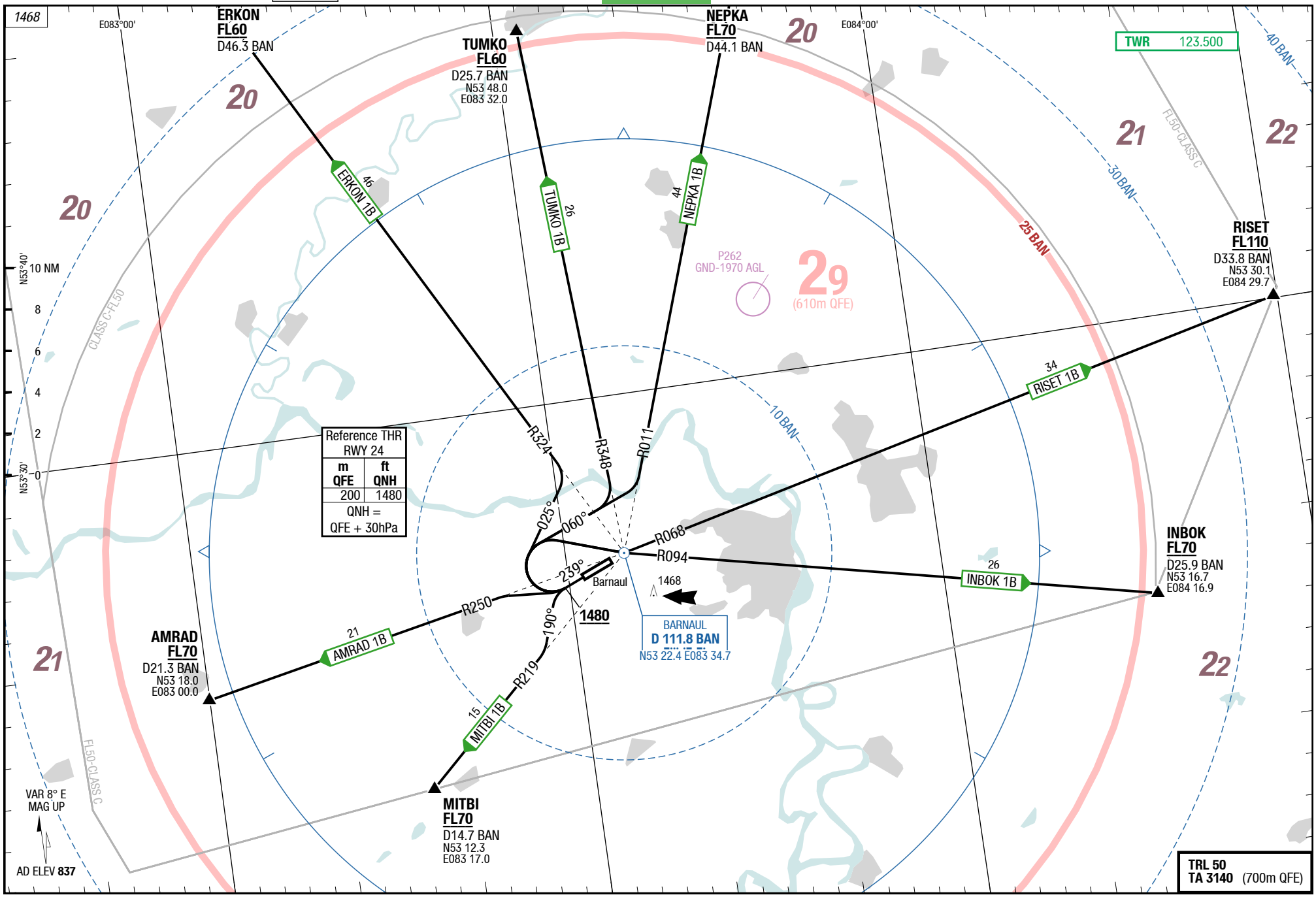
Changes: new



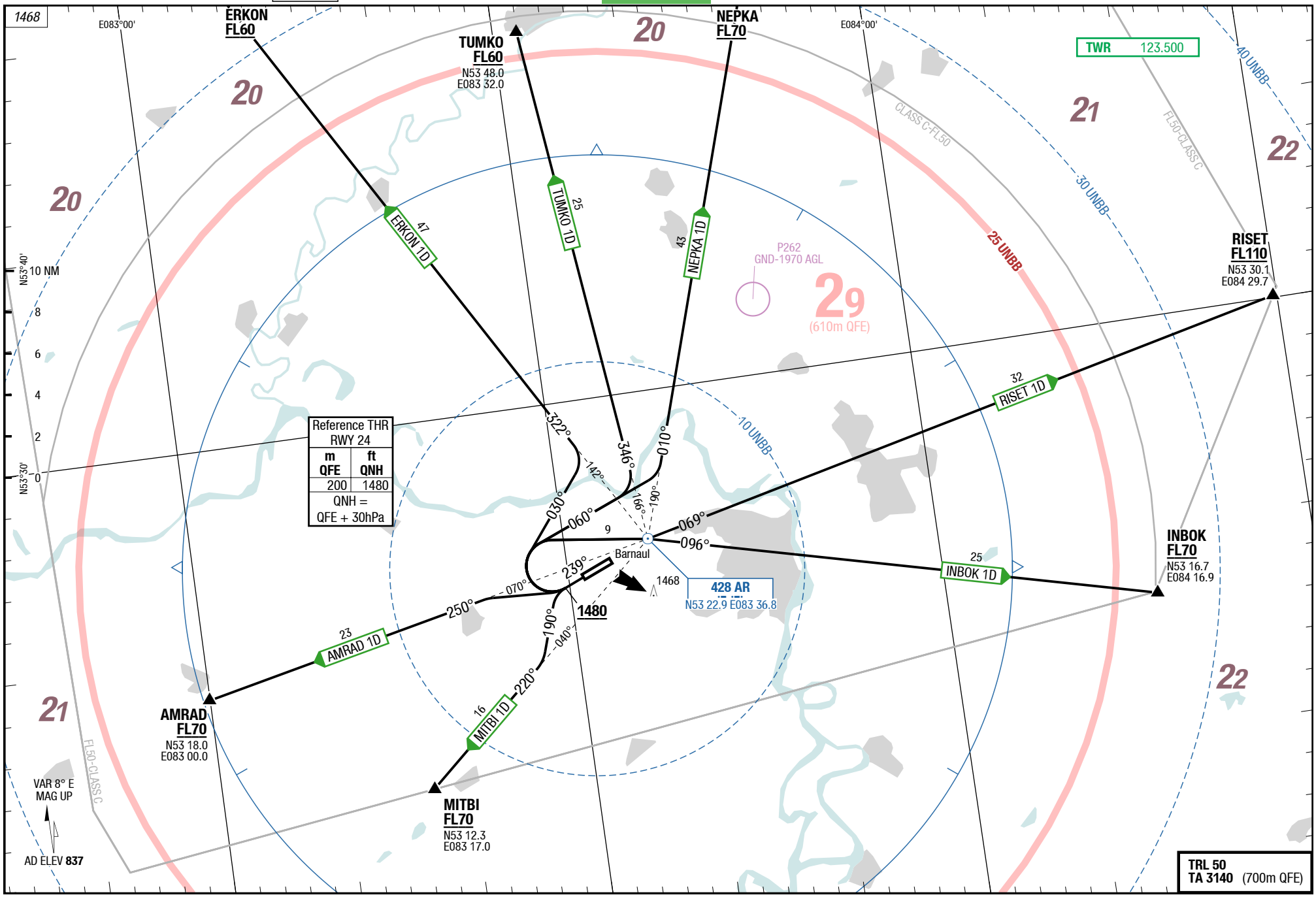
Changes: Page Number, Inset



Changes: Inset, Page Number, SUAs



Changes: Inset, Page Number



Changes: Inset, Page Number, SUAs

AMRAD 1E / ERKON 1E / INBOK 1E / MITBI 1E / NEPKA 1E / RISET 1E / TUMKO 1E
RWY 06 (059°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
3.6%	ft/MIN	500	600	700	800	900	1000
4.8%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 06	
AMRAD 1E **123.500**	[A1490+ ;L] - BB012 - AMRAD	AMRAD MNM **FL70**
ERKON 1E **123.500**	[A1490+ ;L] - ERKON	ERKON MNM **FL60**
INBOK 1E 3.6% to FL70 **123.500** ①	[A1490+] - BB006 - INBOK	INBOK MNM **FL70**
MITBI 1E 3.5% to FL70 **123.500** ①	[A1490+ ;L] - BB012 - MITBI	MITBI MNM **FL70**
NEPKA 1E **123.500**	[A1490+ ;L] - NEPKA	NEPKA MNM **FL70**
RISET 1E 4.8% to FL70 **123.500** ①	[A1490+] - BB006 - RISET	RISET MNM **FL110**
TUMKO 1E **123.500**	[A1490+ ;L] - TUMKO	TUMKO MNM **FL60**

① If unable to maintain climb gradient, advise ATC. Climb gradient due to airspace limitation.

Changes: New

AMRAD 1F / ERKON 1F / INBOK 1F / MITBI 1F / NEPKA 1F / RISET 1F / TUMKO 1F
RWY 24 (239°)

	GS	120	150	180	210	240	270
5.4%	ft/MIN	700	900	1000	1200	1400	1500
7.9%	ft/MIN	1000	1300	1500	1700	2000	2200

DESIGNATOR	ROUTING	ALTITUDES
	Runway 24	
AMRAD 1F 5.4% to FL70 **123.500** ①	[A1480+] - AMRAD	AMRAD MNM **FL70**
ERKON 1F **123.500**	[A1480+ ;R] - ERKON	ERKON MNM **FL60**
INBOK 1F **123.500**	[A1480+ ;R] - BB006 - INBOK	INBOK MNM **FL70**
MITBI 1F 7.9% to FL70 **123.500** ①	[A1480+ ;L] - MITBI	MITBI MNM **FL70**
NEPKA 1F **123.500**	[A1480+ ;R] - NEPKA	NEPKA MNM **FL70**
RISET 1F **123.500**	[A1480+ ;R] - BB006 - RISET	RISET MNM **FL110**
TUMKO 1F **123.500**	[A1480+ ;R] - TUMKO	TUMKO MNM **FL60**

① If unable to maintain climb gradient, advise ATC. Climb gradient due to airspace limitation.

Changes: New

AMRAD 1A / ERKON 1A / INBOK 1A / MITBI 1A / NEPKA 1A / RISET 1A / TUMKO 1A
RWY 06 (059°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
3.6%	ft/MIN	500	600	700	800	900	1000
4.8%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 06	
AMRAD 1A **123.500**	No procedure text published	AMRAD MNM **FL70**
ERKON 1A **123.500**	No procedure text published	ERKON MNM **FL60**
INBOK 1A 3.6% to FL70 **123.500** ①	No procedure text published	D6.5 **BAN** MNM **2140** INBOK MNM **FL70**
MITBI 1A 3.5% to FL70 **123.500** ①	No procedure text published	MITBI MNM **FL70**
NEPKA 1A **123.500**	No procedure text published	NEPKA MNM **FL70**
RISET 1A 4.8% to FL110 **123.500** ①	No procedure text published	D6.5 **BAN** MNM **2140** RISET MNM **FL110**
TUMKO 1A **123.500**	No procedure text published	TUMKO MNM **FL60**

① If unable to maintain climb gradient, advise ATC. Climb gradient due to airspace limitation.

Changes: New

AMRAD 1C / ERKON 1C / INBOK 1C / MITBI 1C / NEPKA 1C / RISET 1C / TUMKO 1C
RWY 06 (059°)

	GS	120	150	180	210	240	270
3.5%	ft/MIN	500	600	700	800	900	1000
4.8%	ft/MIN	600	800	900	1100	1200	1400

DESIGNATOR	ROUTING	ALTITUDES
	Runway 06	
AMRAD 1C **123.500** ①	No procedure text published	AMRAD MNM **FL70**
ERKON 1C **123.500**	No procedure text published	ERKON MNM **FL60**
INBOK 1C **123.500**	No procedure text published	INBOK MNM **FL70**
MITBI 1C 3.5% to FL70 **123.500** ①	No procedure text published	MITBI MNM **FL70**
NEPKA 1C **123.500**	No procedure text published	NEPKA MNM **FL70**
RISET 1C 4.8% to FL110 **123.500** ①	No procedure text published	RISET MNM **FL110**
TUMKO 1C **123.500**	No procedure text published	TUMKO MNM **FL60**

① If unable to maintain climb gradient, advise ATC. Climb gradient due to airspace limitation.

Changes: New

AMRAD 1B / ERKON 1B / INBOK 1B / MITBI 1B / NEPKA 1B / RISET 1B / TUMKO 1B
RWY 24 (239°)

	GS	120	150	180	210	240	270
5.3%	ft/MIN	700	900	1000	1200	1300	1500
7.7%	ft/MIN	1000	1200	1500	1700	1900	2200

DESIGNATOR	ROUTING	ALTITUDES
	Runway 24	
AMRAD 1B 5.3% to FL70 **123.500** ①	No procedure text published	AMRAD MNM **FL70**
ERKON 1B **123.500**	No procedure text published	ERKON MNM **FL60**
INBOK 1B **123.500**	No procedure text published	INBOK MNM **FL70**
MITBI 1B 7.7% to FL70 **123.500** ①	No procedure text published	MITBI MNM **FL70**
NEPKA 1B **123.500**	No procedure text published	NEPKA MNM **FL70**
RISET 1B **123.500**	No procedure text published	RISET MNM **FL110**
TUMKO 1B **123.500**	No procedure text published	TUMKO MNM **FL60**

① If unable to maintain climb gradient, advise ATC. Climb gradient due to airspace limitation.

Changes: New

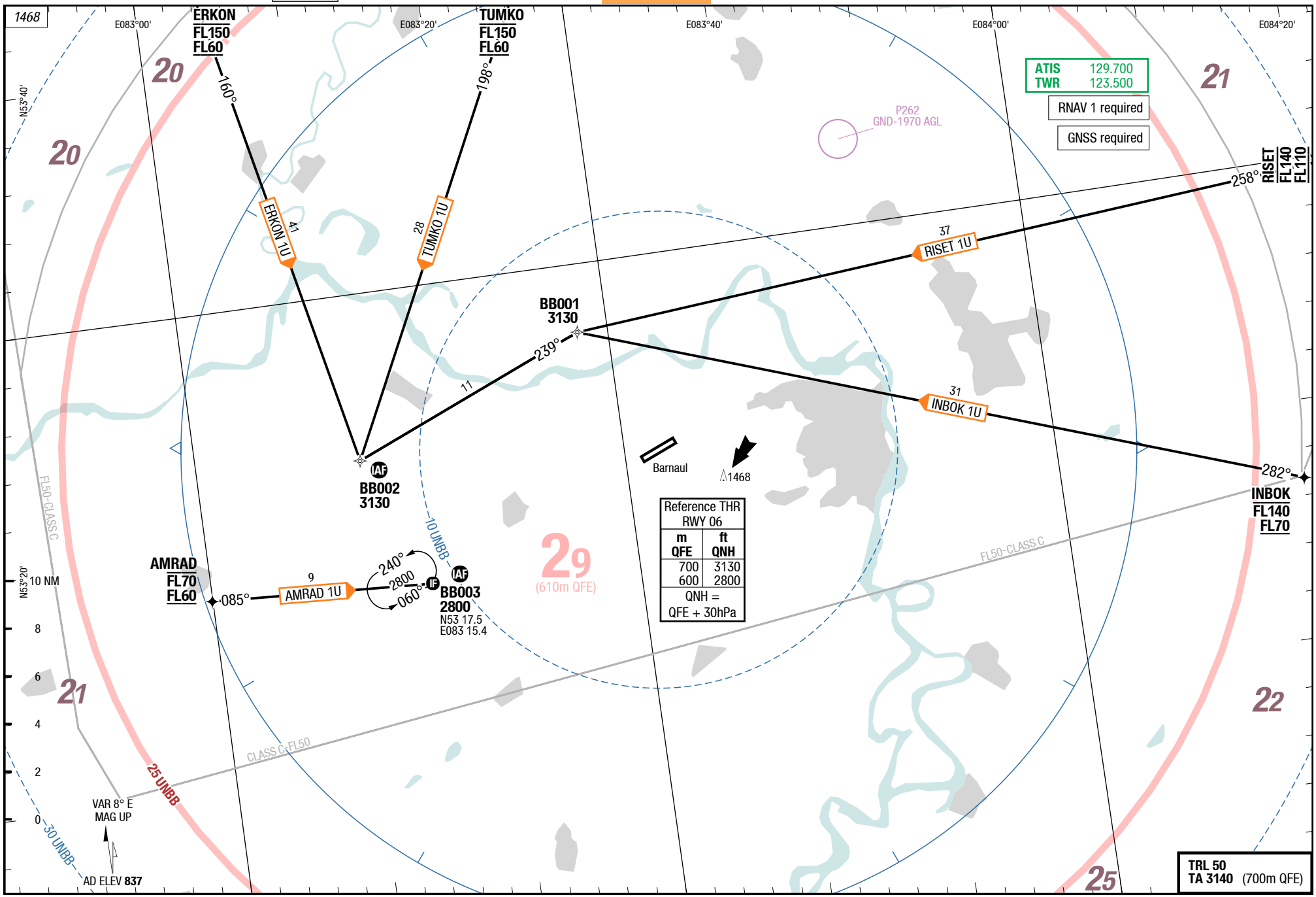
AMRAD 1D / ERKON 1D / INBOK 1D / MITBI 1D / NEPKA 1D / RISET 1D / TUMKO 1D
RWY 24 (239°)

	GS	120	150	180	210	240	270
5.3%	ft/MIN	700	900	1000	1200	1300	1500
7.6%	ft/MIN	1000	1200	1400	1700	1900	2100

DESIGNATOR	ROUTING	ALTITUDES
	Runway 24	
AMRAD 1D 5.3% to FL70 **123.500** ①	No procedure text published	AMRAD MNM **FL70**
ERKON 1D **123.500**	No procedure text published	ERKON MNM **FL60**
INBOK 1D **123.500**	No procedure text published	INBOK MNM **FL70**
MITBI 1D 7.6% to FL70 **123.500** ①	No procedure text published	MITBI MNM **FL70**
NEPKA 1D **123.500**	No procedure text published	NEPKA MNM **FL70**
RISET 1D **123.500**	No procedure text published	RISET MNM **FL110**
TUMKO 1D **123.500**	No procedure text published	TUMKO MNM **FL60**

① If unable to maintain climb gradient, advise ATC. Climb gradient due to airspace limitation.

Changes: New



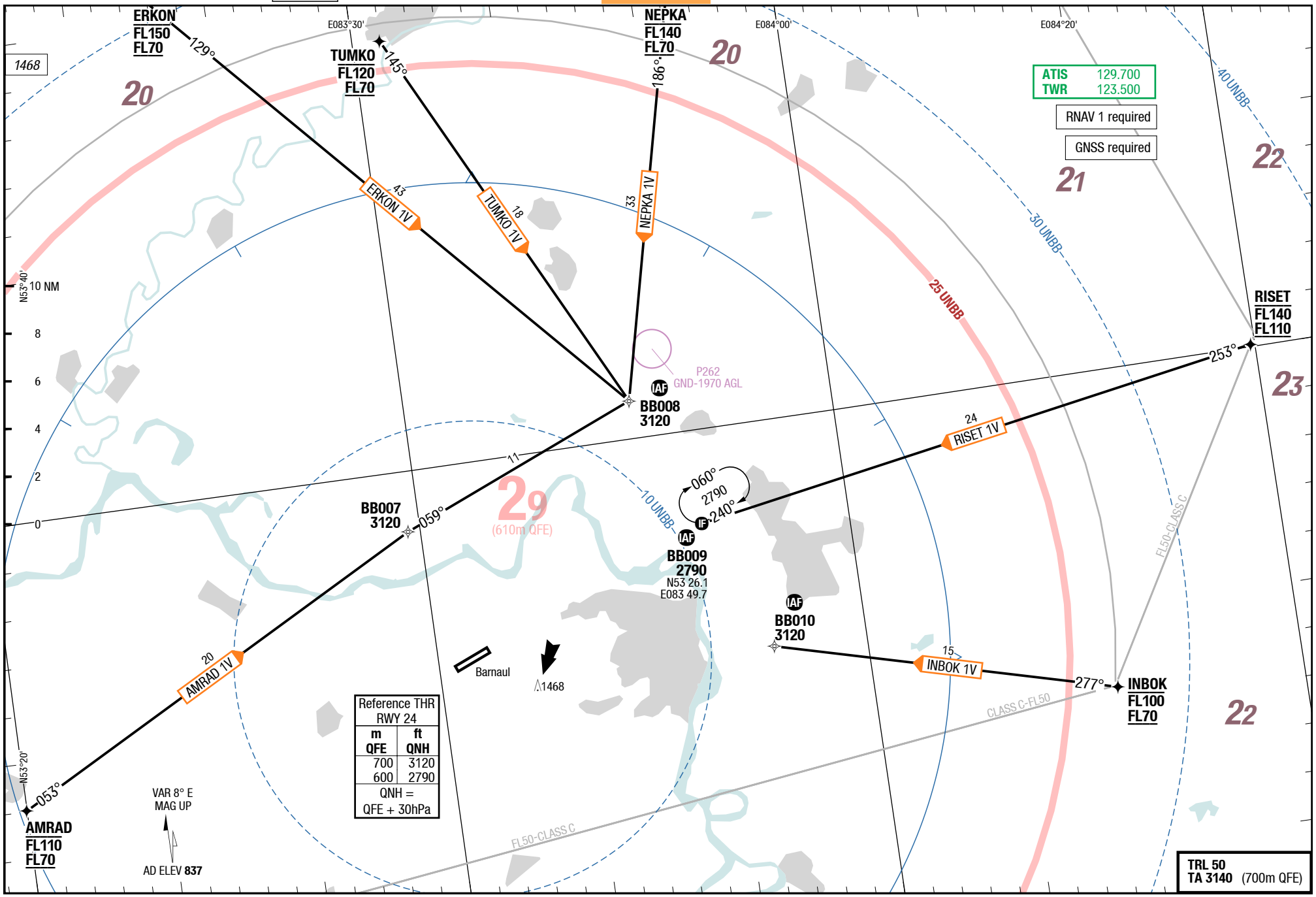
Changes: new

BAX-UNBB

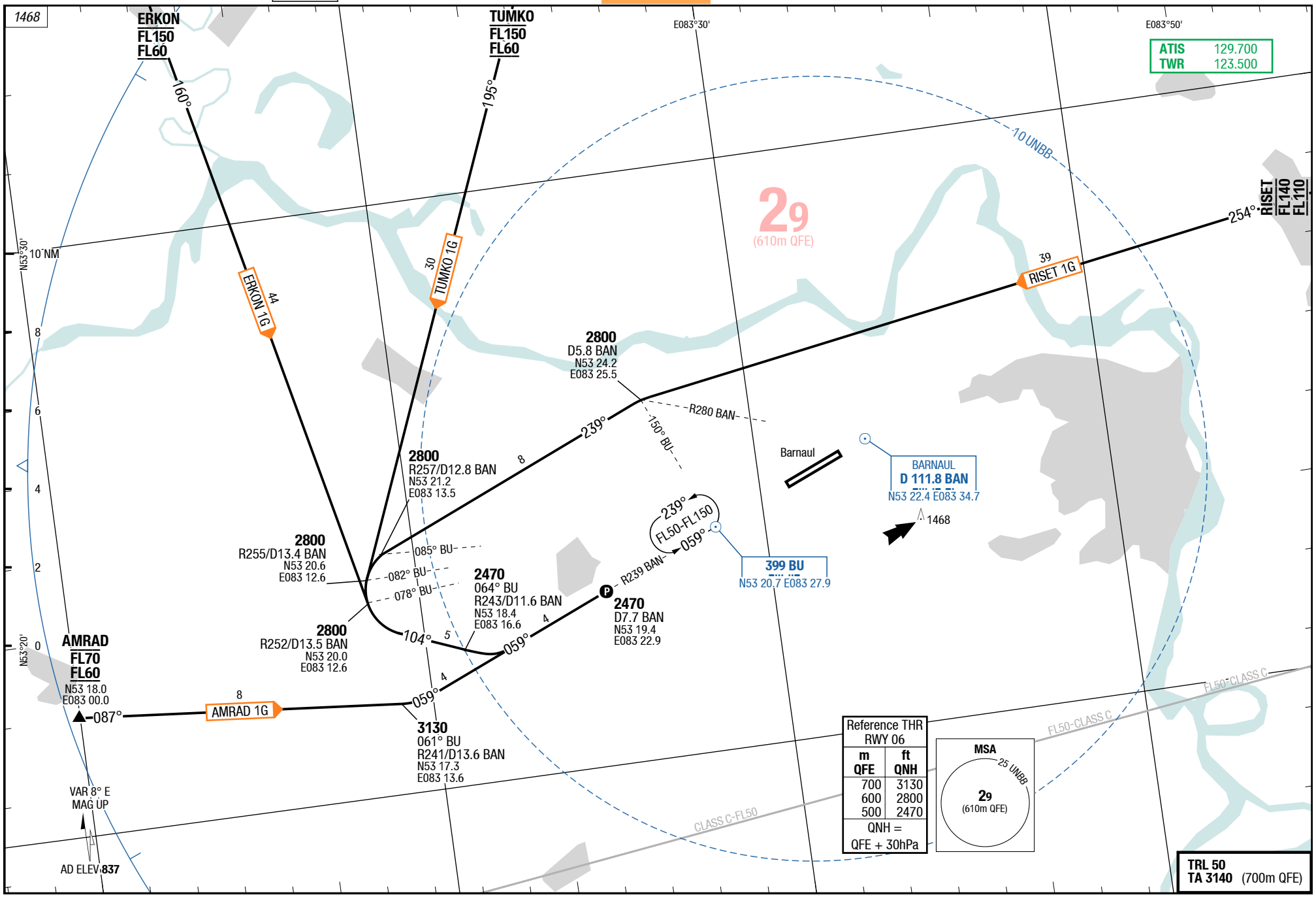
6-20

RNAV STARs RWY 24

RNAV STARs RWY 24



Changes: new

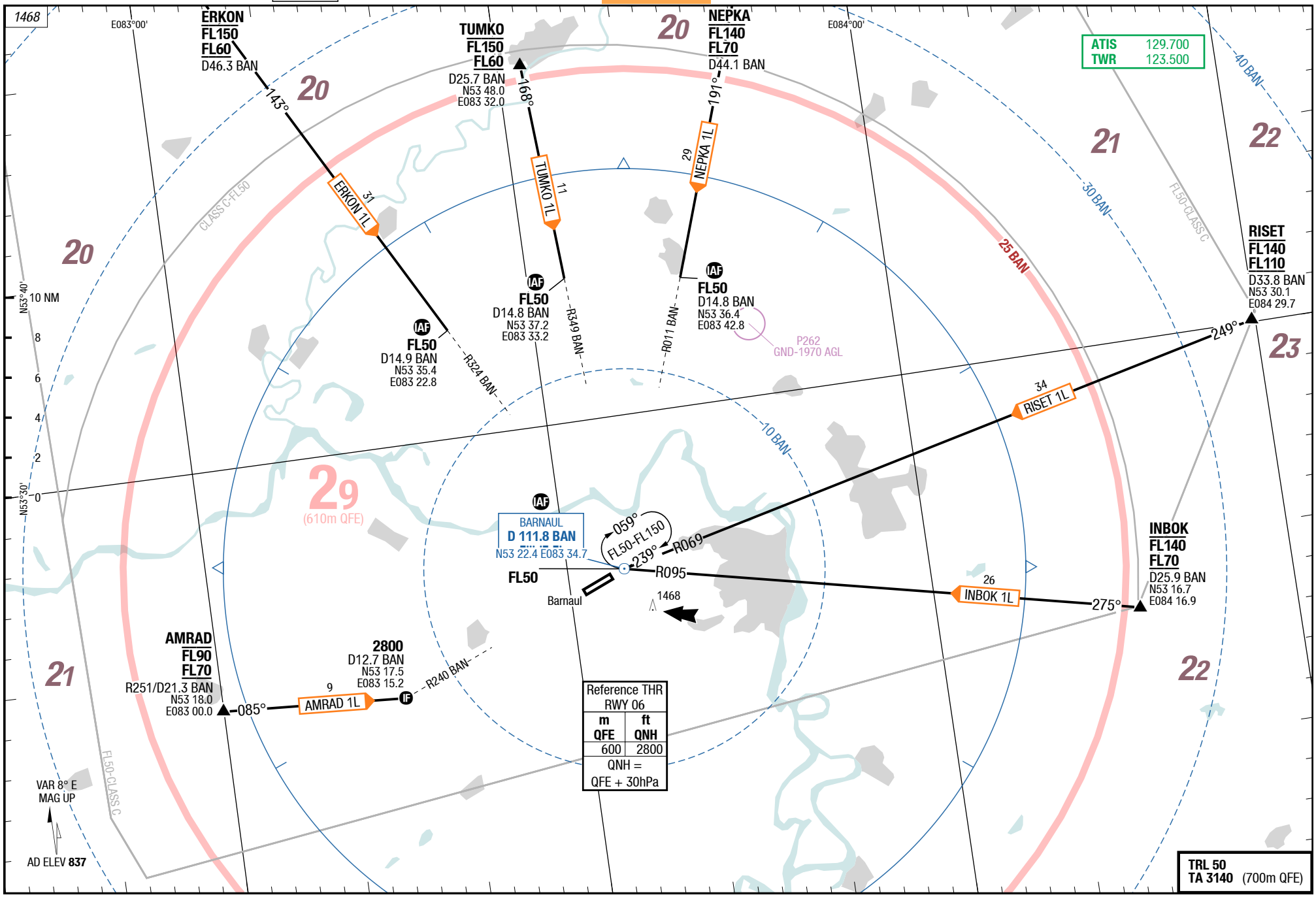


Changes: ALT, PROC, QFE Table

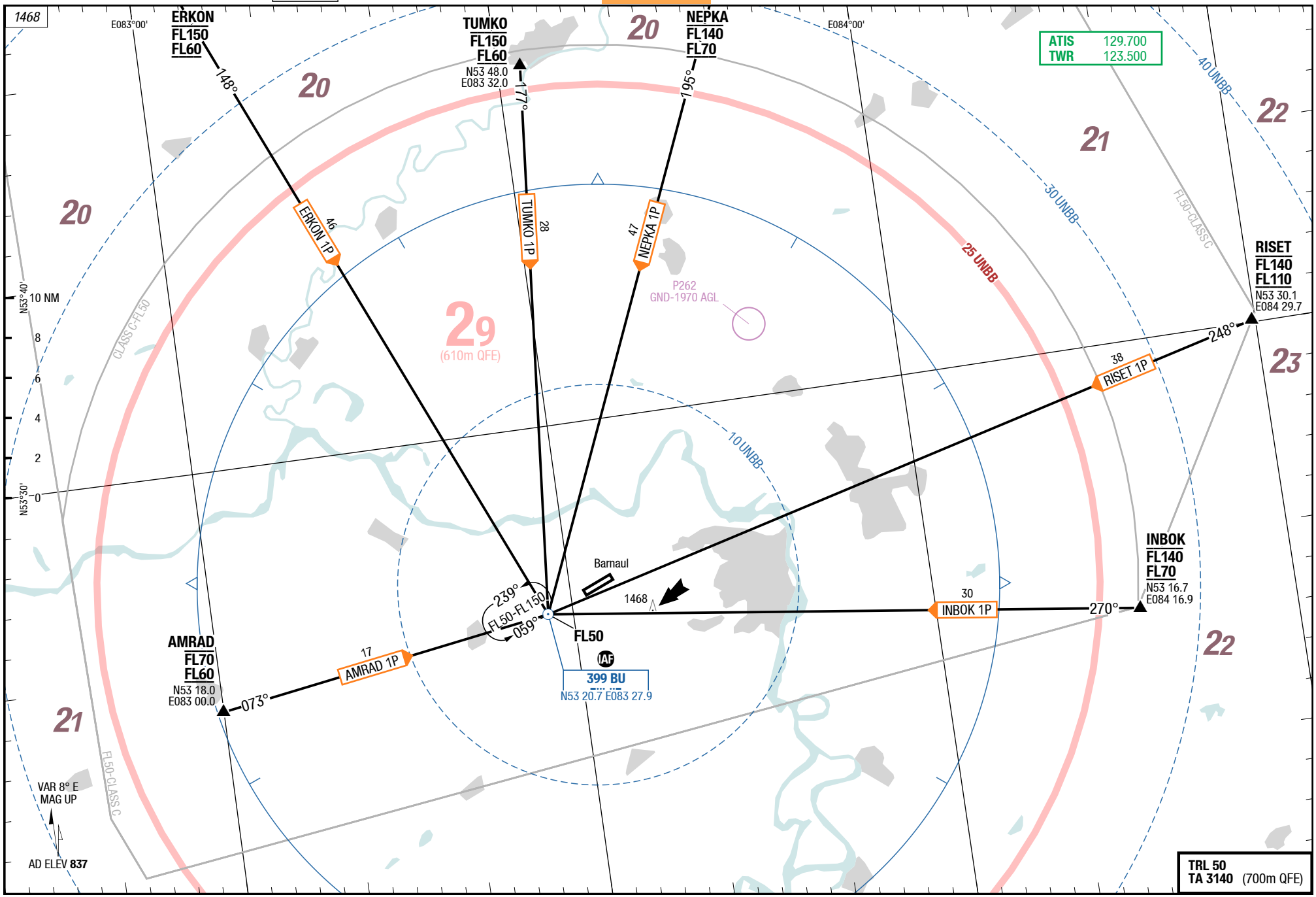
BAX-UNBB

6-40 **STARs RWY 06 (PROCs L)**

STARs RWY 06 (PROCs L)



Changes: Nil

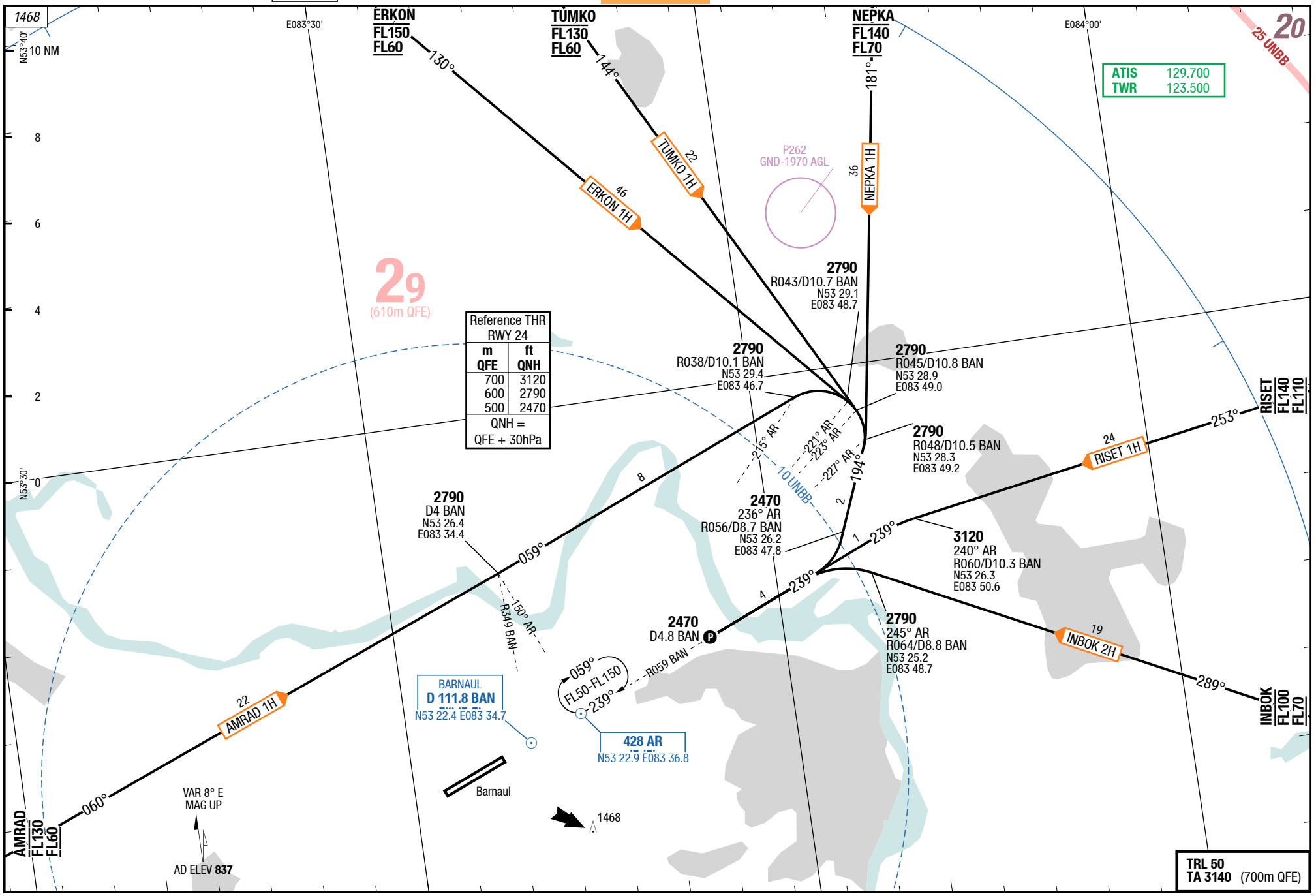


Changes: Nil

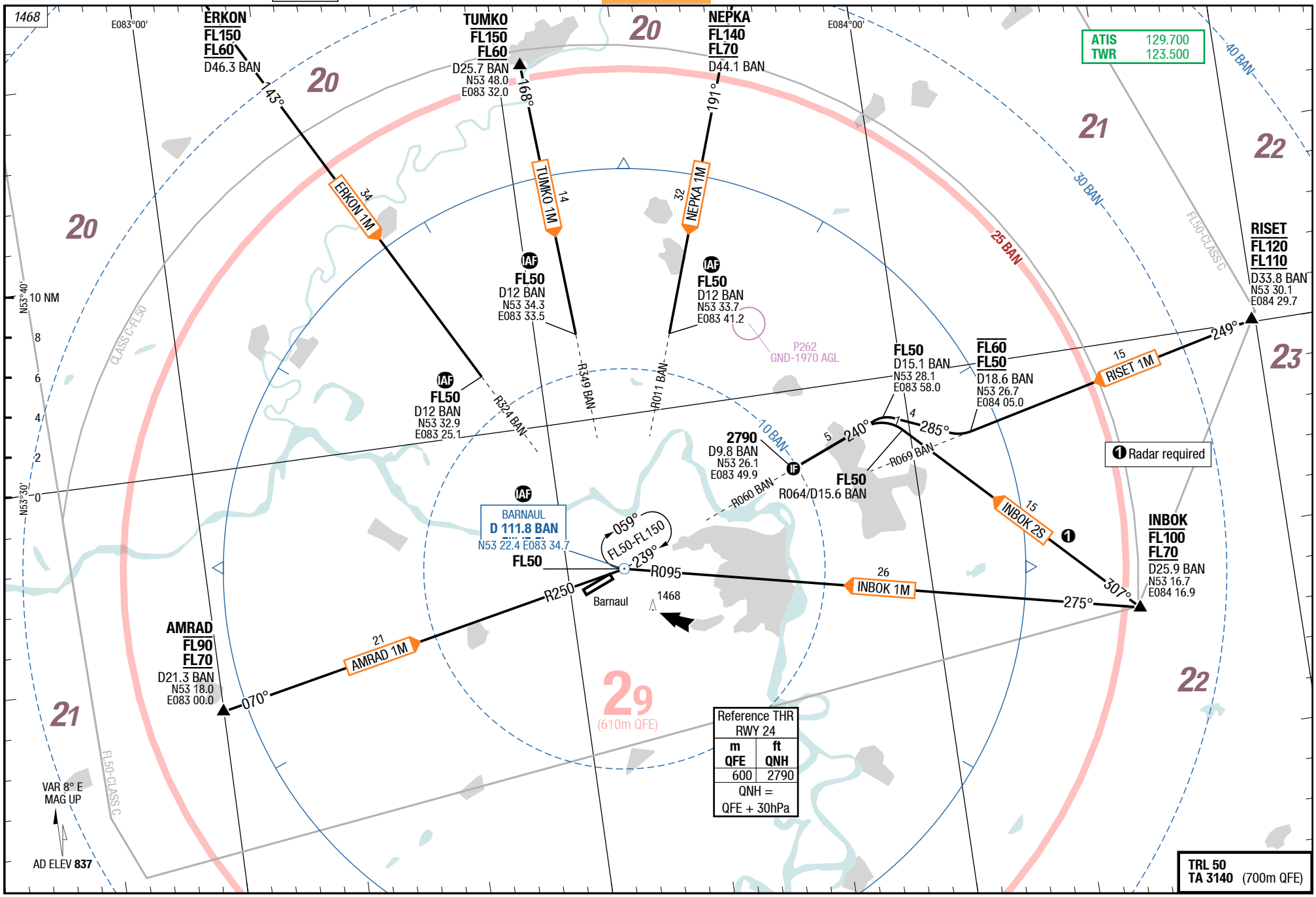
BAX-UNBB

6-60 **STARs RWY 24 (PROCs H)**

STARs RWY 24 (PROCs H)



Changes: ALT, PROC, PROC renumbered, QFE Table



Changes: ALT, PROC, PROC renumbered

Russian Federation **Barnaul** Mikhaylovka

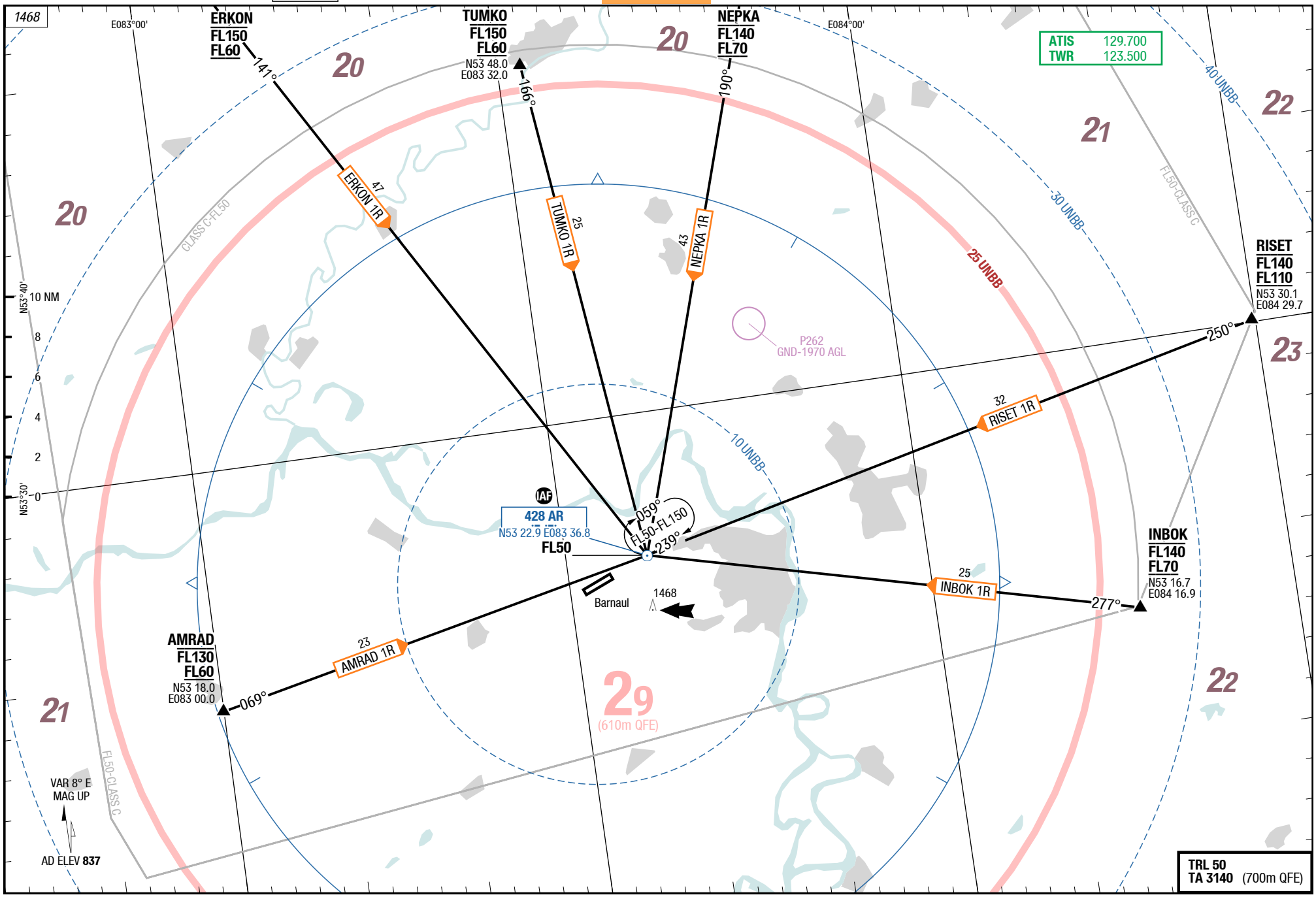
BAX-UNBB

6-80 **STARs RWY 24 (PROCs R)**

STAR STAR

Mikhaylovka **Barnaul** Russian Federation

STARs RWY 24 (PROCs R)

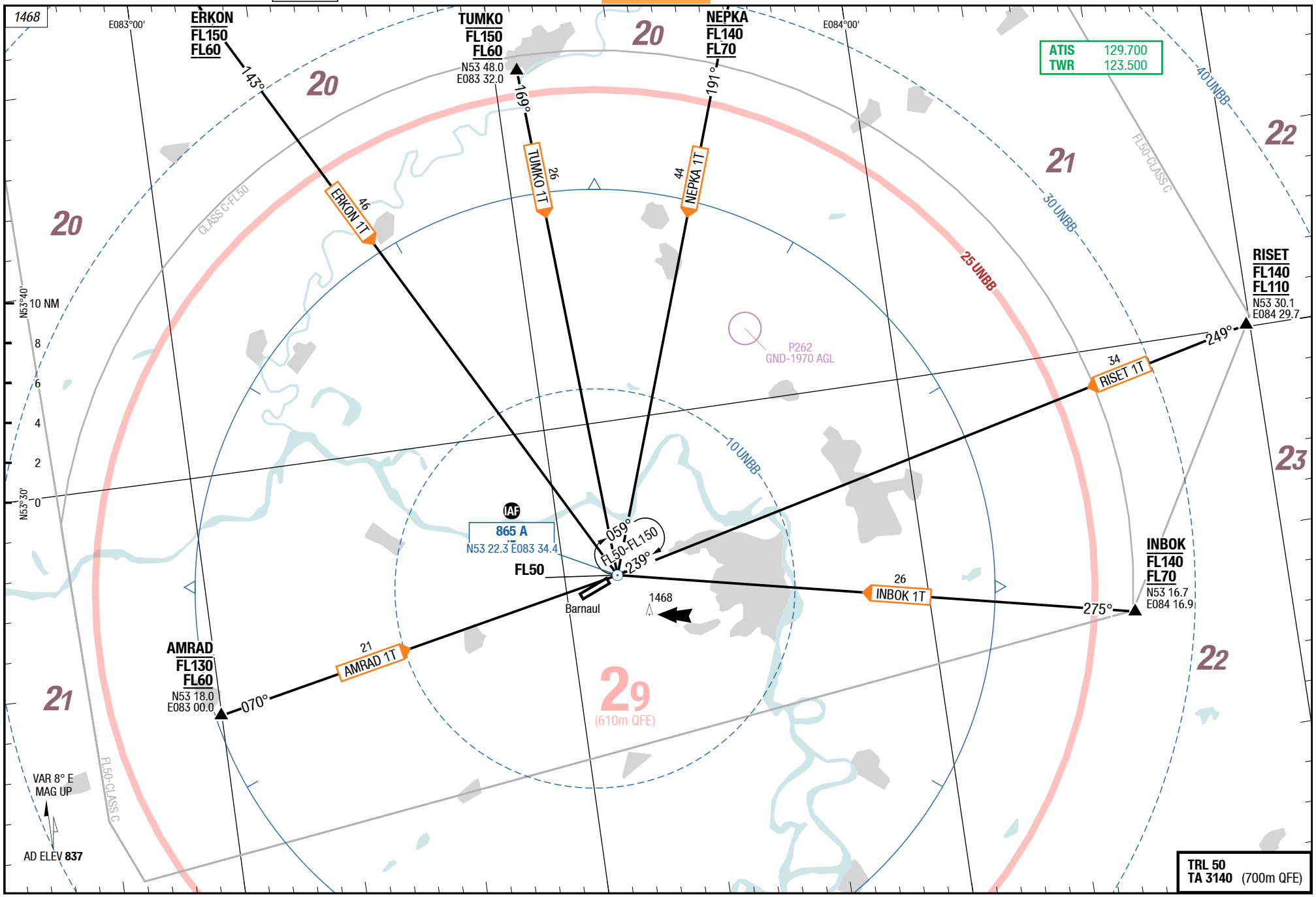


Changes: Nil

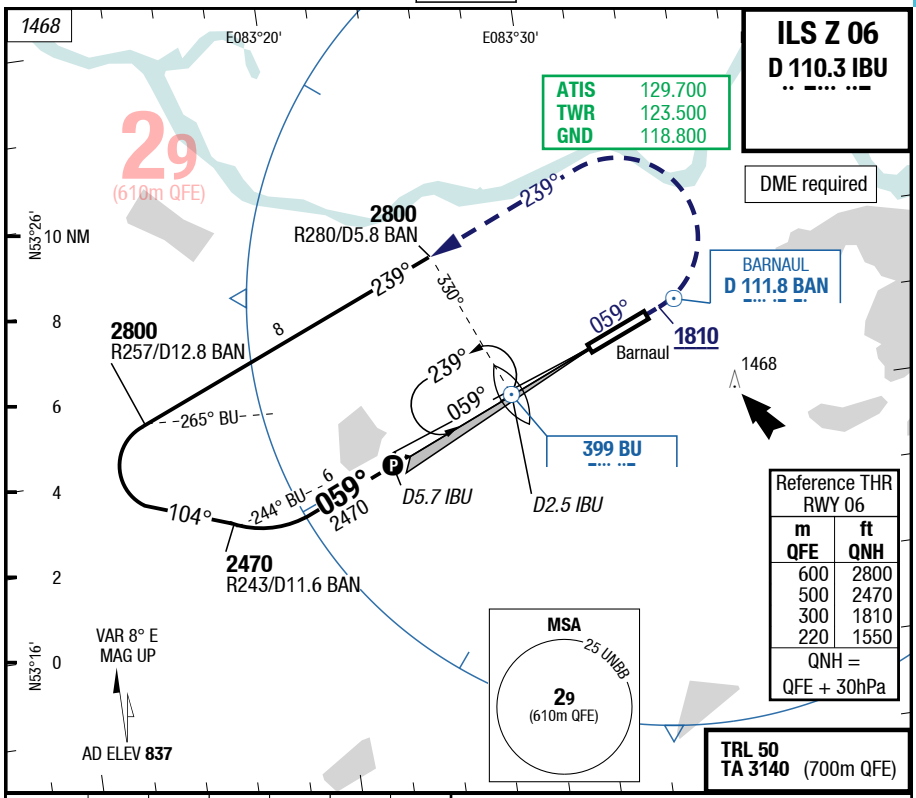
Russian Federation **Barnaul** Mikhaylovka
NIL
STARs RWYs 06/24

STAR STAR

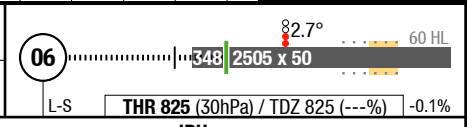
Mikhaylovka **Barnaul** Russian Federation
NIL
STARs RWYs 06/24

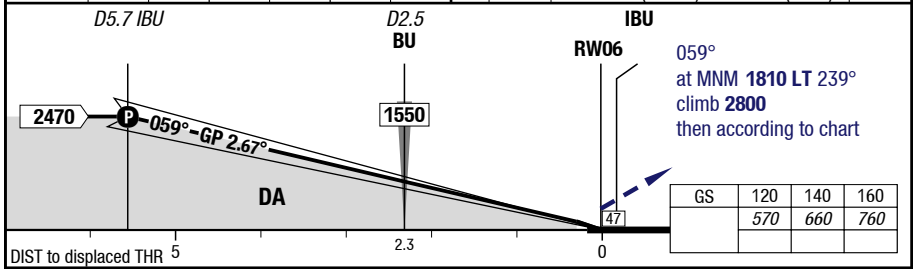


Changes: Editorial



D IBU	5.7	5	4	3	2	1
	2470	2270	1970	1690	1400	1110





06		Cat 1 DME 1)	LOC				Circling N of AD only
C	ft - m/km ft	200 - 1.0R/1.0V **1030**	Not authorized				1030 - 2.4V **1870**
D	ft - m/km ft	200 - 1.0R/1.0V **1030**	Not authorized				1030 - 3.6V **1870**

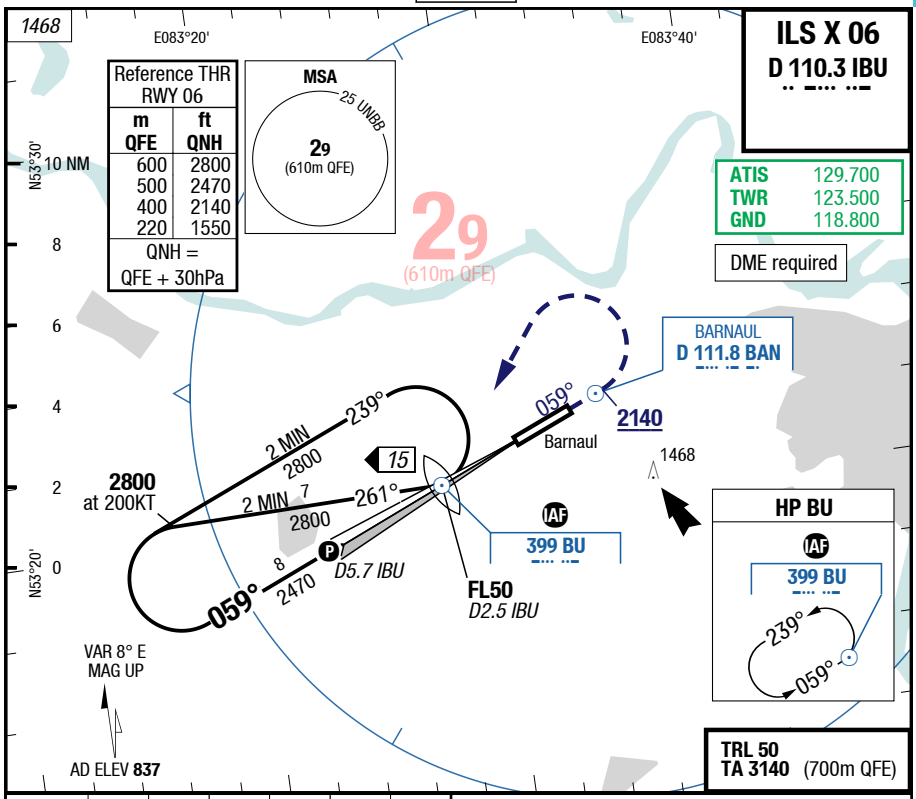
1) With EVS RVR 650m/ VIS 800m

Changes: chart title, APL, OBST

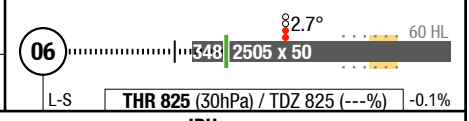
BAX-UNBB

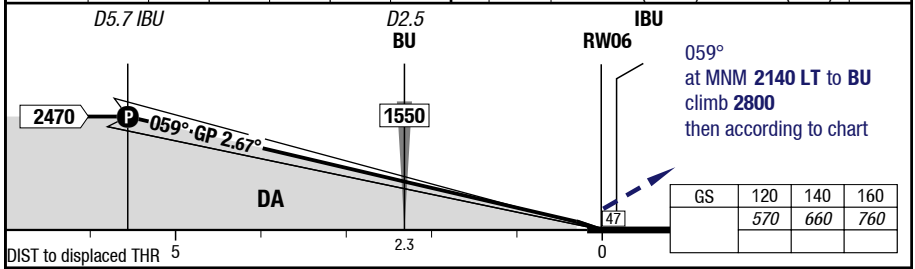
7-20

ILS X 06



D IBU	5.7	5	4	3	2	1
	2470	2270	1970	1690	1400	1110





06		Cat 1 DME 1)	LOC				Circling N of AD only
C	ft - m/km ft	200 - 1.0R/1.0V **1030**	Not authorized				1030 - 2.4V **1870**
D	ft - m/km ft	200 - 1.0R/1.0V **1030**	Not authorized				1030 - 3.6V **1870**

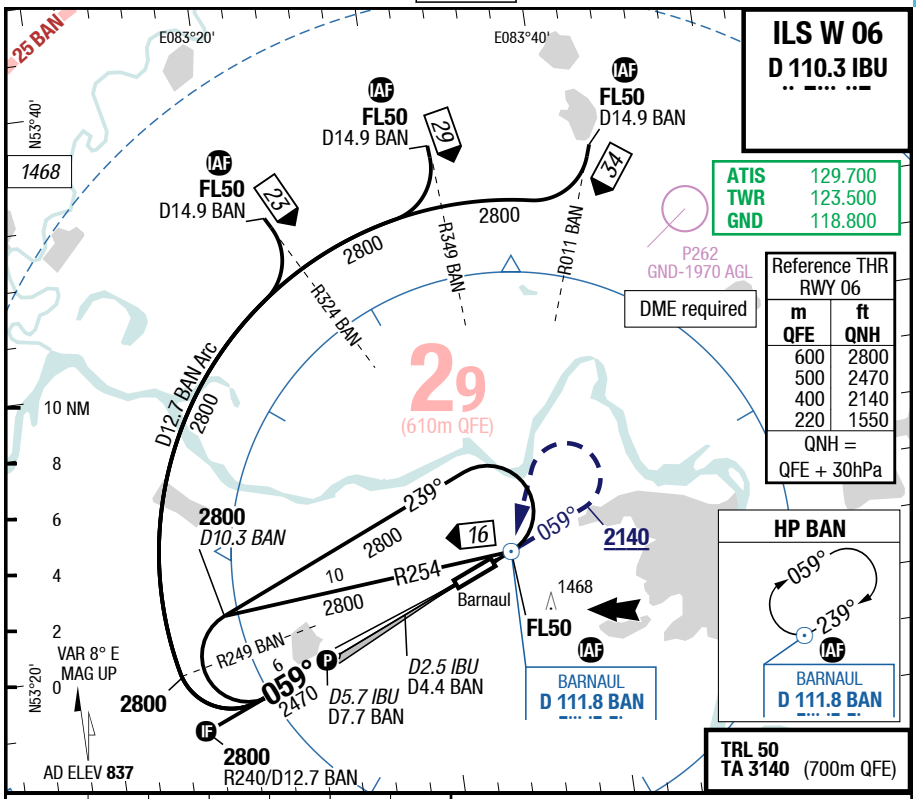
1) With EVS RVR 650m/ VIS 800m

Changes: chart title, APL, OBST

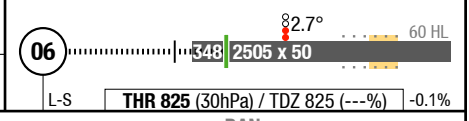
BAX-UNBB

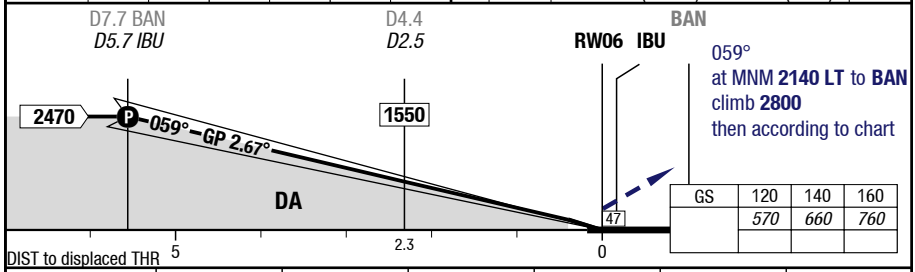
7-30

ILS W 06



D IBU	5.7	5	4	3	2	1
	2470	2270	1970	1690	1400	1110





06		Cat 1 DME 1)	LOC				Circling N of AD only
C	ft - m/km ft	200 - 1.0R/1.0V **1030**	Not authorized				1030 - 2.4V **1870**
D	ft - m/km ft	200 - 1.0R/1.0V **1030**	Not authorized				1030 - 3.6V **1870**

1) With EVS RVR 650m/ VIS 800m

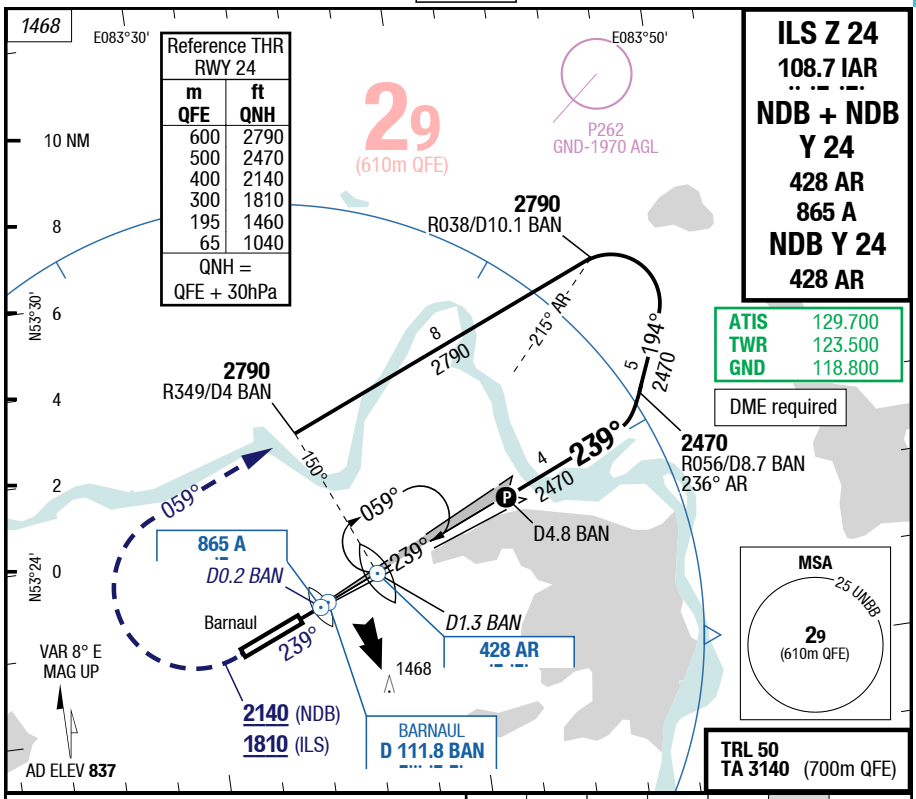
Changes: chart title, APL, OBST

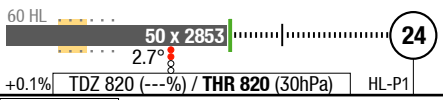
Russian Federation **Barnaul** Mikhaylovka

BAX-UNBB

7-40

ILS Z 24 / NDB + NDB Y 24 / NDB Y 24



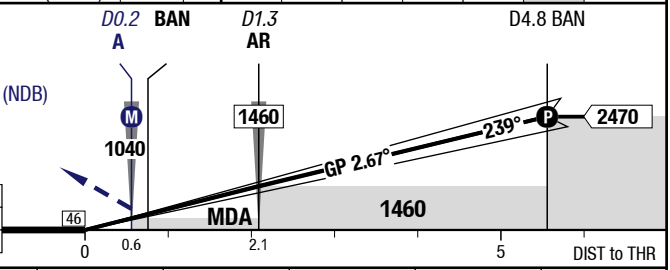


1	2	3	4	4.8		NDB 2.67° D BAN
1380	1670	1960	2240	2470		

FAF DIST: 6.1NM by TAR

239°
at MNM **1810** (ILS) / **2140** (NDB)
RT 059°
climb **2790**
then according to chart

GS	120	140	160
D1.3 BAN	*570*	*660*	*760*
-MAPt	*0:46*	*0:39*	*0:34*



24		Cat 1 1)	LOC	NDB NDB DME AR+A BAN 2)	NDB DME AR BAN 2)		Circling N of AD only
C	ft - m/km ft	200 - 550R/800V **1020**	Not authorized	370 - 1.0 **1190**	370 - 1.0 **1190**		1030 - 2.4V **1870**
D	ft - m/km ft	200 - 550R/800V **1020**	Not authorized	370 - 1.0 **1190**	370 - 1.0 **1190**		1030 - 3.6V **1870**

1) FD, AP or HGS required, else RVR 750m
2) FAF must be given by TAR

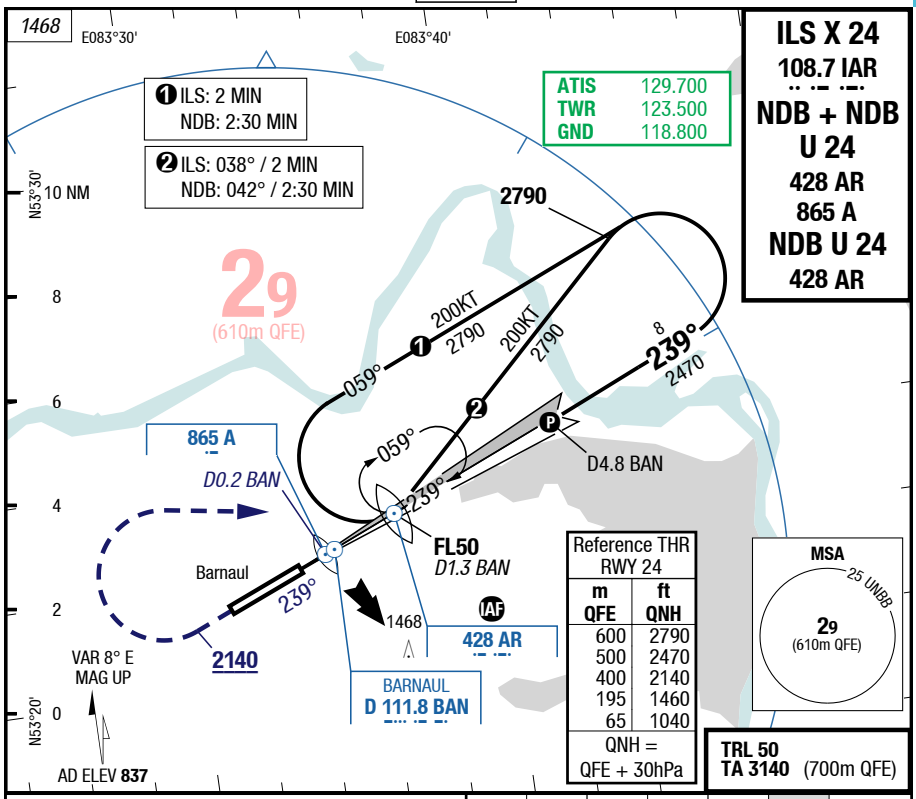
Changes: MIN, APL, OBST, Note

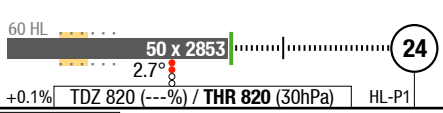
Russian Federation **Barnaul** Mikhaylovka

BAX-UNBB

7-50

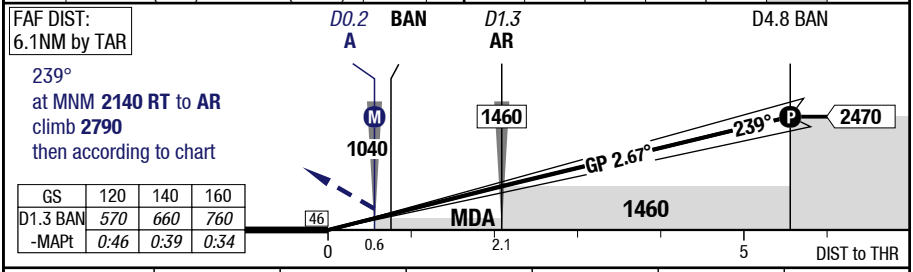
ILS X 24 / NDB + NDB U 24 / NDB U 24





1	2	3	4	4.8	
1380	1670	1960	2240	2470	

NDB 2.67°
D BAN



GS	120	140	160
D1.3 BAN	570	660	760
-MAPt	0:46	0:39	0:34

24		Cat 1 1)	LOC	NDB NDB DME AR+A BAN 2)	NDB NDB AR+A wo FAF	NDB DME AR BAN 2)	Circling N of AD only
C	ft - m/km ft	200 - 550R/800V **1020**	Not authorized	370 - 1.0 **1190**	840 - 2.4 **1660**	370 - 1.0 **1190**	1030 - 2.4V **1870**
D	ft - m/km ft	200 - 550R/800V **1020**	Not authorized	370 - 1.0 **1190**	840 - 2.4 **1660**	370 - 1.0 **1190**	1030 - 3.6V **1870**

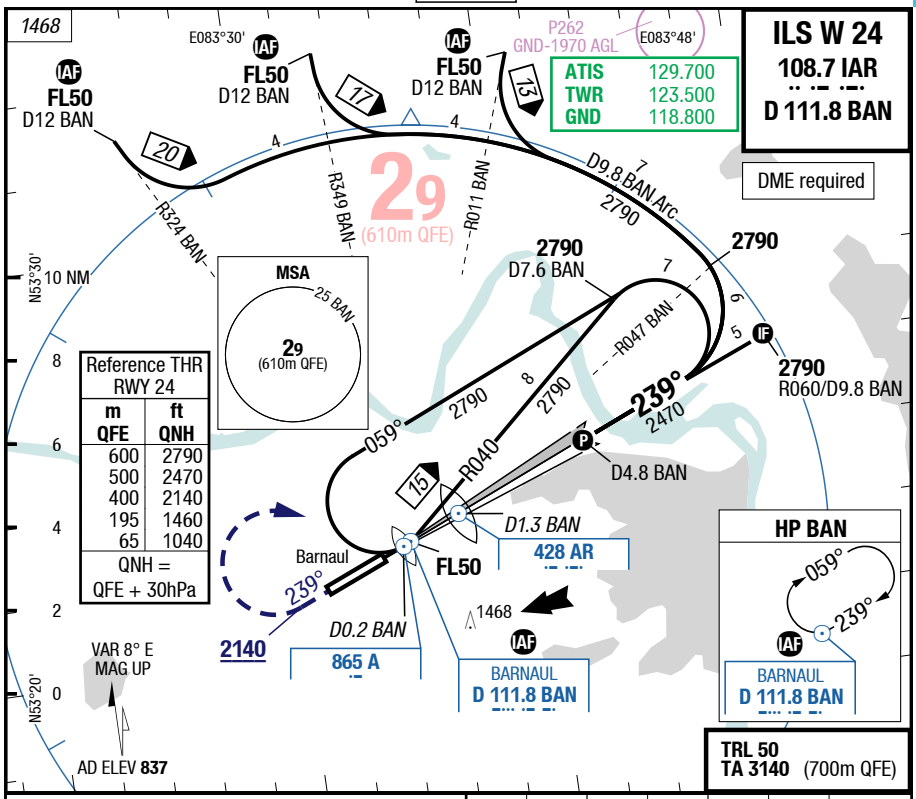
1) FD, AP or HGS required, else RVR 750m
2) FAF must be given by TAR

Changes: Note

BAX-UNBB

7-60

ILS W 24

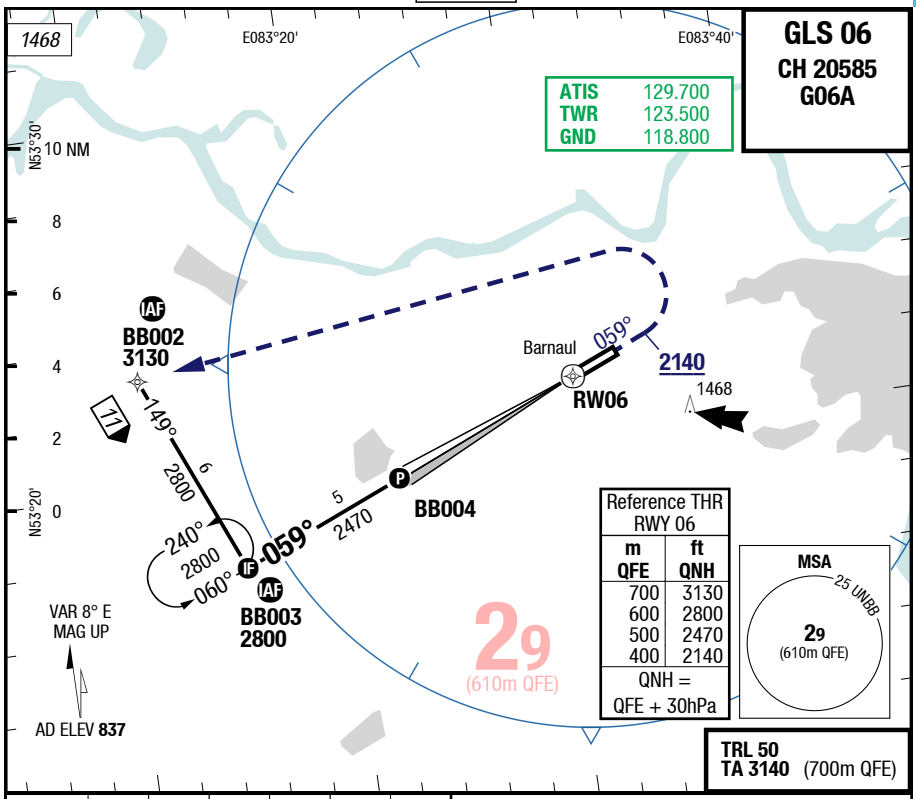


BAN	1	2	3	4	4.8	D BAN
1080	1370	1660	1950	2240	2470	

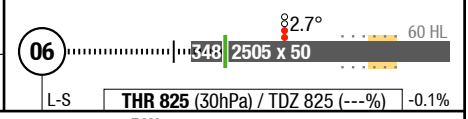
24		Cat 1 1)	LOC				Circling N of AD only
C	ft - m/km ft	200 - 550R/800V **1020**	Not authorized				1030 - 2.4V **1870**
D	ft - m/km ft	200 - 550R/800V **1020**	Not authorized				1030 - 3.6V **1870**

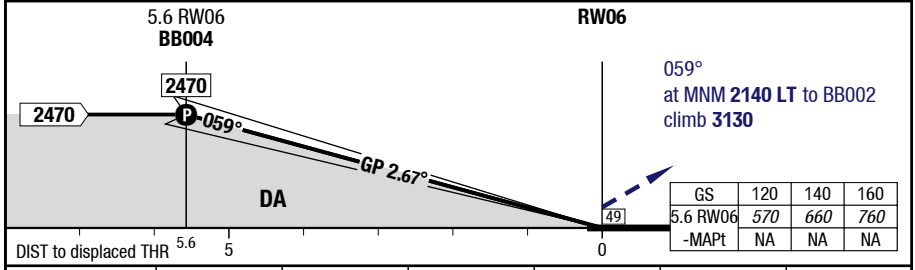
1) FD, AP or HGS required, else RVR 750m

Changes: Nil



RW06	5.6	5	4	3	2	1
	2470	2320	2030	1740	1450	1160





06		Cat 1 1)					Circling N of AD only
C	ft - m/km ft	200 - 1.0R/1.0V **1030**					1030 - 2.4V **1870**
D	ft - m/km ft	200 - 1.0R/1.0V **1030**					1030 - 3.6V **1870**

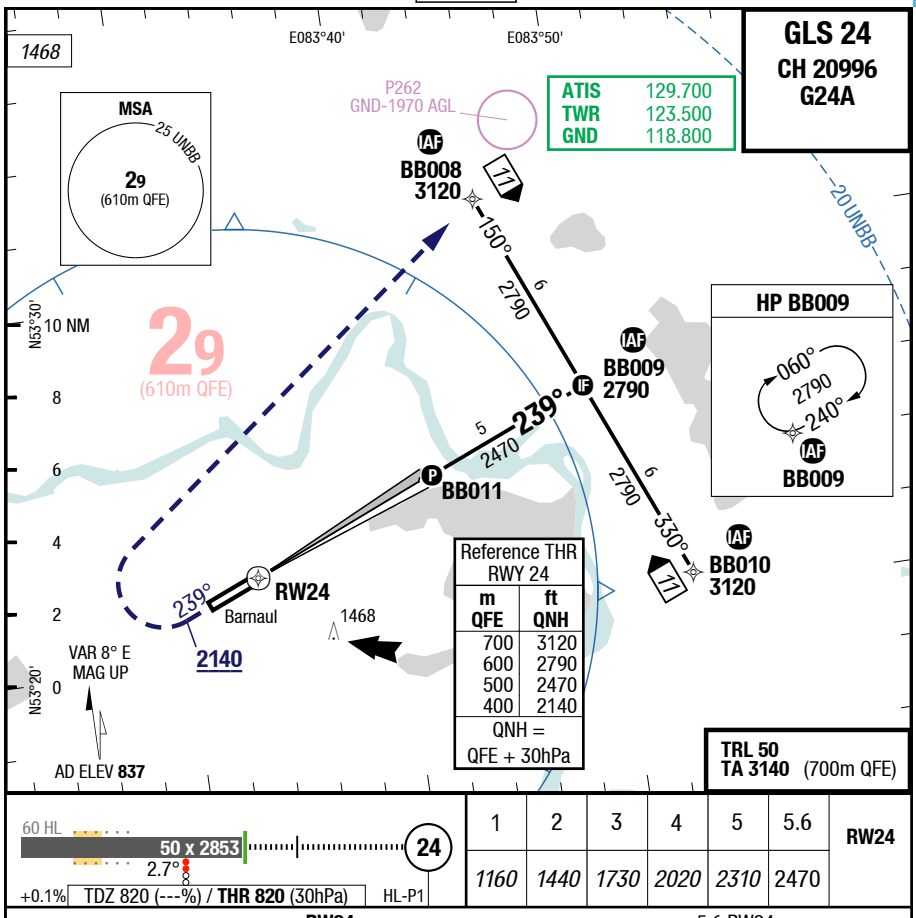
1) With EVS RVR 650m/ VIS 800m

Changes: New

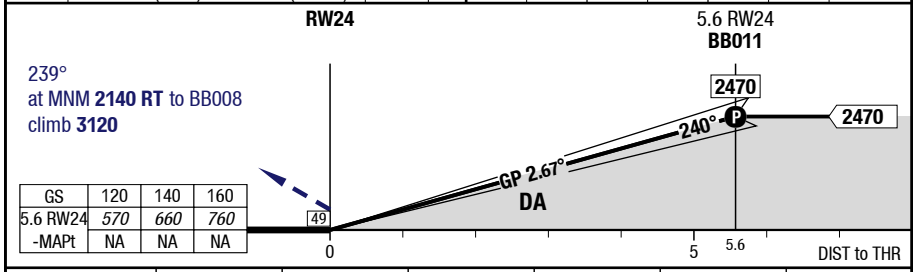
BAX-UNBB

7-80

GLS 24



1	2	3	4	5	5.6	RW24
1160	*1440*	*1730*	*2020*	*2310*	2470	



GS	120	140	160
5.6 RW24	*570*	*660*	*760*
-MAPt	NA	NA	NA

24		Cat 1 1)					Circling N of AD only
C	ft - m/km ft	200 - 550R/800V **1020**					1030 - 2.4V **1870**
D	ft - m/km ft	200 - 550R/800V **1020**					1030 - 3.6V **1870**

1) FD, AP or HGS required, else RVR 750m

Changes: new

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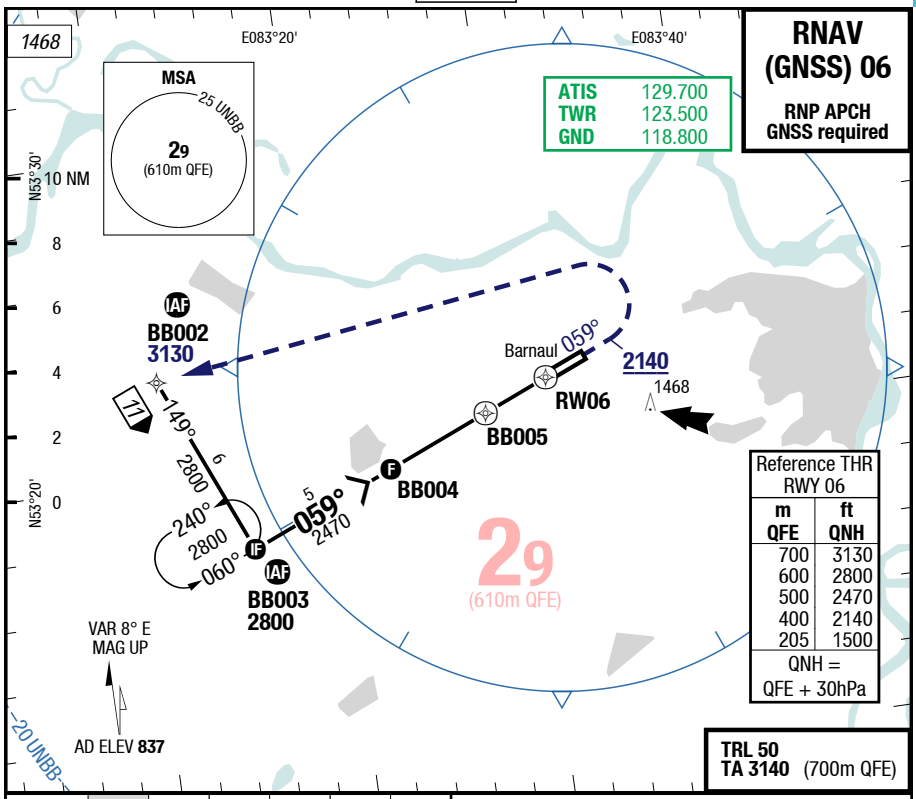
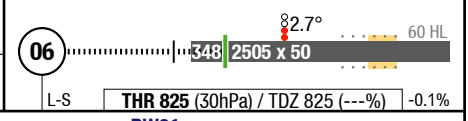
BAX-UNBB

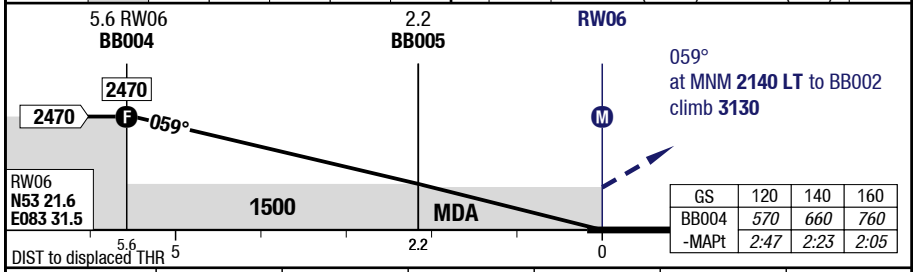
7-90

RNAV (GNSS) 06



2.67° RW06		5.6	5	4	3	2
		2470	2310	2020	1740	1450





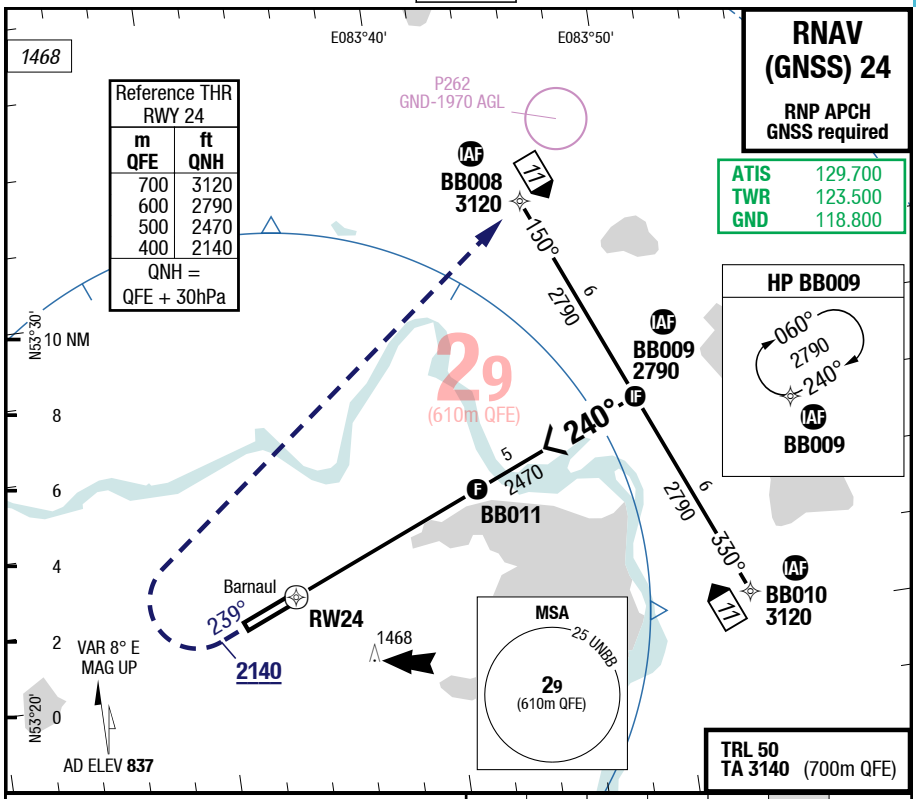
06		RNAV GNSS LNAV					Circling N of AD only
C	ft - m/km ft	340 - 1.3 **1170**					1030 - 2.4V **1870**
D	ft - m/km ft	340 - 1.3 **1170**					1030 - 3.6V **1870**

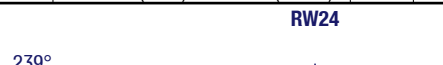
Changes: new

BAX-UNBB

7-100

RNAV (GNSS) 24





2	3	4	5	5.6		2.67° RW24 240° RWY 239°
1450	1740	2020	2310	2470		

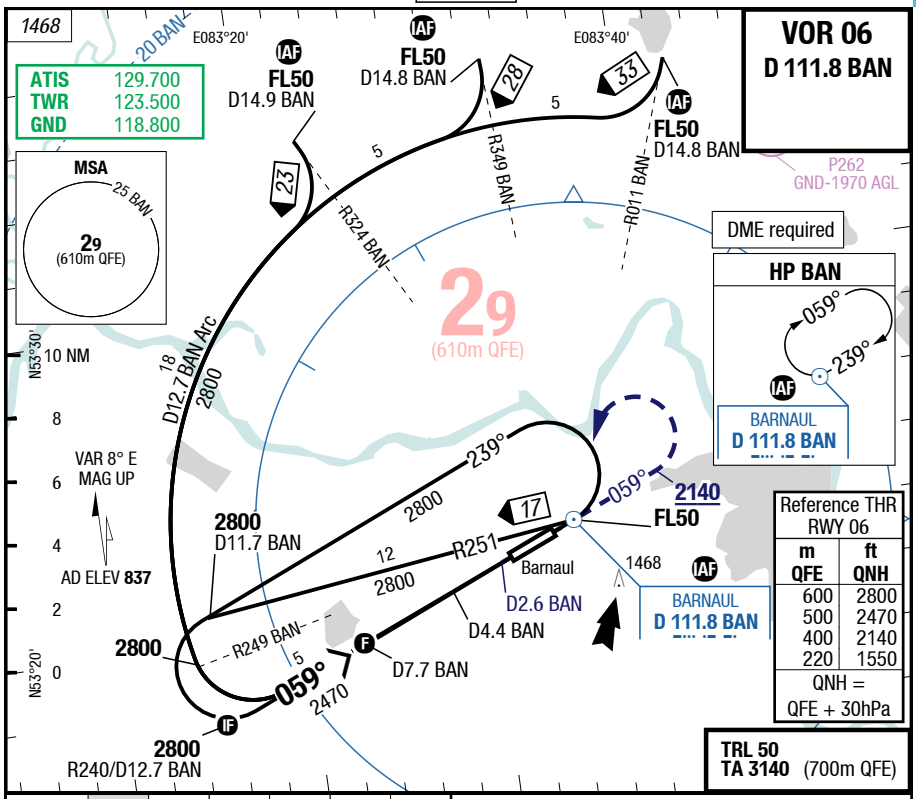
24		RNAV GNSS LNAV					Circling N of AD only
C	ft - m/km ft	350 - 900 **1170**					1030 - 2.4V **1870**
D	ft - m/km ft	350 - 900 **1170**					1030 - 3.6V **1870**

Changes: new

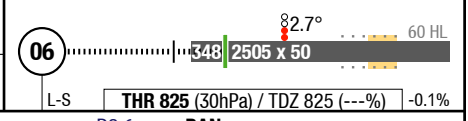
BAX-UNBB

7-110

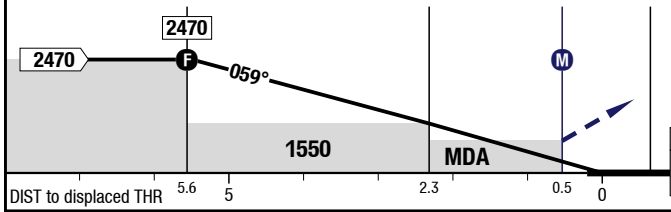
VOR 06



2.67° D BAN		7.7	7	6	5	4
		2470	2300	2010	1720	1430



D7.7 BAN D4.4 D2.6 **BAN**



059°
at MNM **2140 LT** to **BAN**
climb **2800**
then according to chart

GS	120	140	160
D7.7 BAN	*570*	*660*	*760*
-MAPt	*2:31*	*2:09*	*1:53*

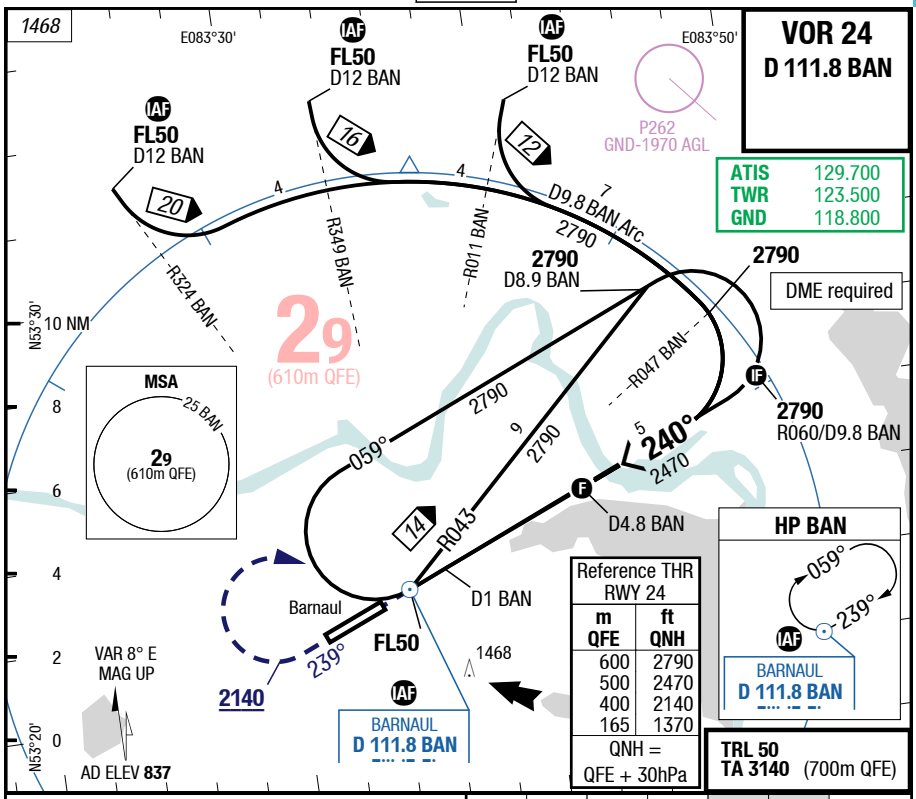
06		**VOR DME**					**Circling** N of AD only
C	ft - m/km ft	330 - 1.3 **1150**					1030 - 2.4V **1870**
D	ft - m/km ft	330 - 1.3 **1150**					1030 - 3.6V **1870**

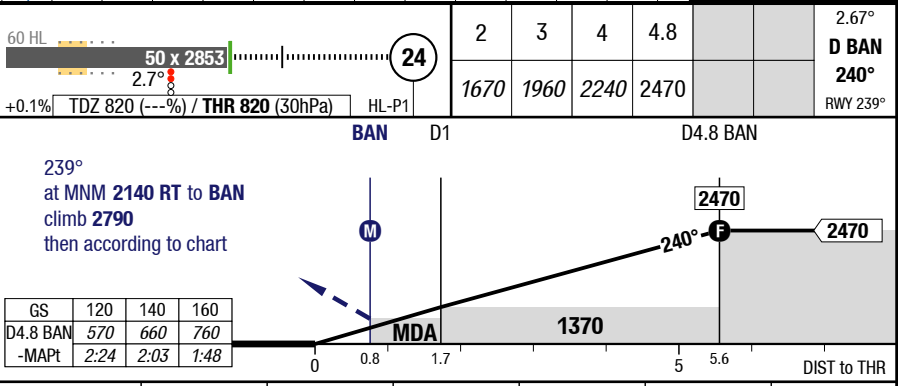
Changes: chart title, Page Number, APL, OBST

BAX-UNBB

7-120

VOR 24





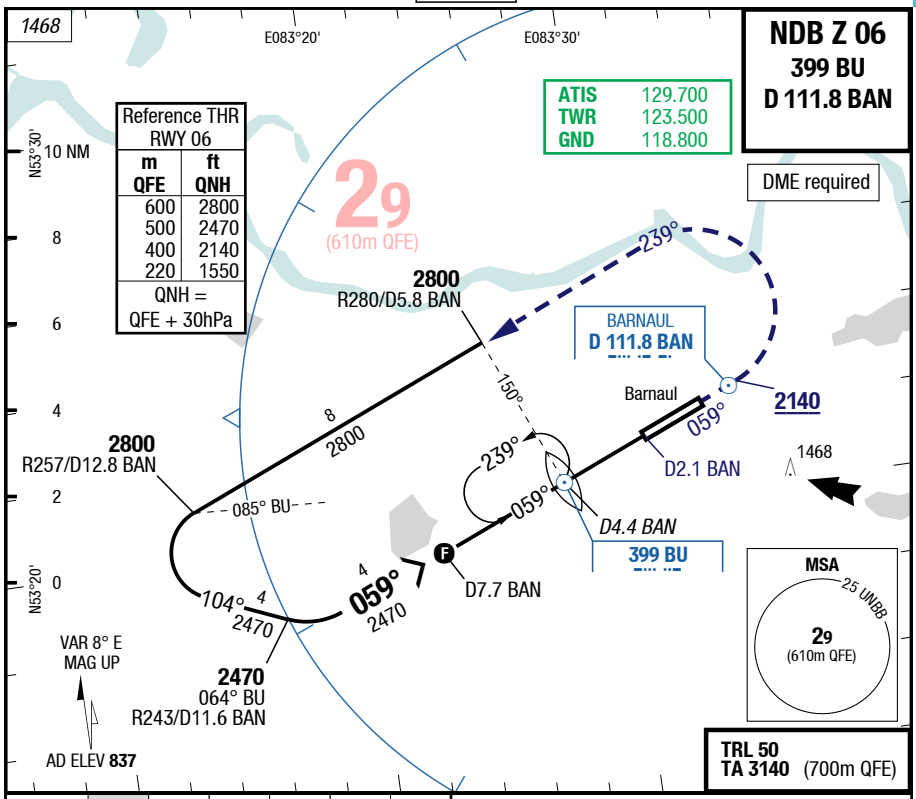
24		VOR DME					Circling N of AD only
C	ft - m/km ft	330 - 800 **1150**					1030 - 2.4V **1870**
D	ft - m/km ft	330 - 800 **1150**					1030 - 3.6V **1870**

Changes: chart title, Page Number, APL, OBST

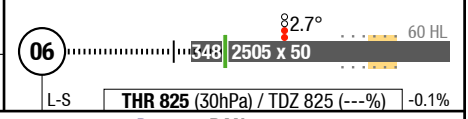
BAX-UNBB

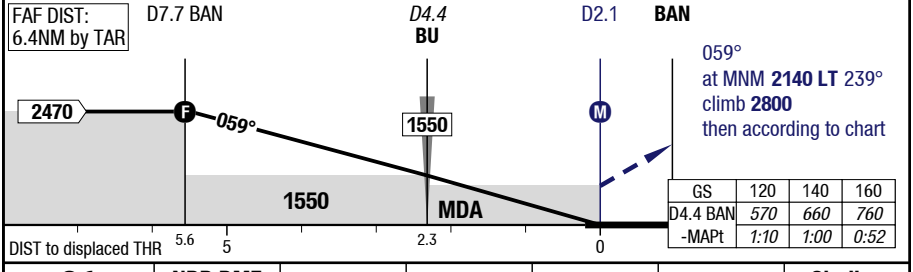
7-130

NDB Z 06



2.67° D BAN		7.7	7	6	5	4
		2470	2300	2010	1720	1430





GS	120	140	160
D4.4 BAN	*570*	*660*	*760*
-MAPt	*1:10*	*1:00*	*0:52*

06		NDB DME BAN 1)					Circling N of AD only
C	ft - m/km ft	360 - 1.4 **1190**					1030 - 2.4V **1870**
D	ft - m/km ft	360 - 1.4 **1190**					1030 - 3.6V **1870**

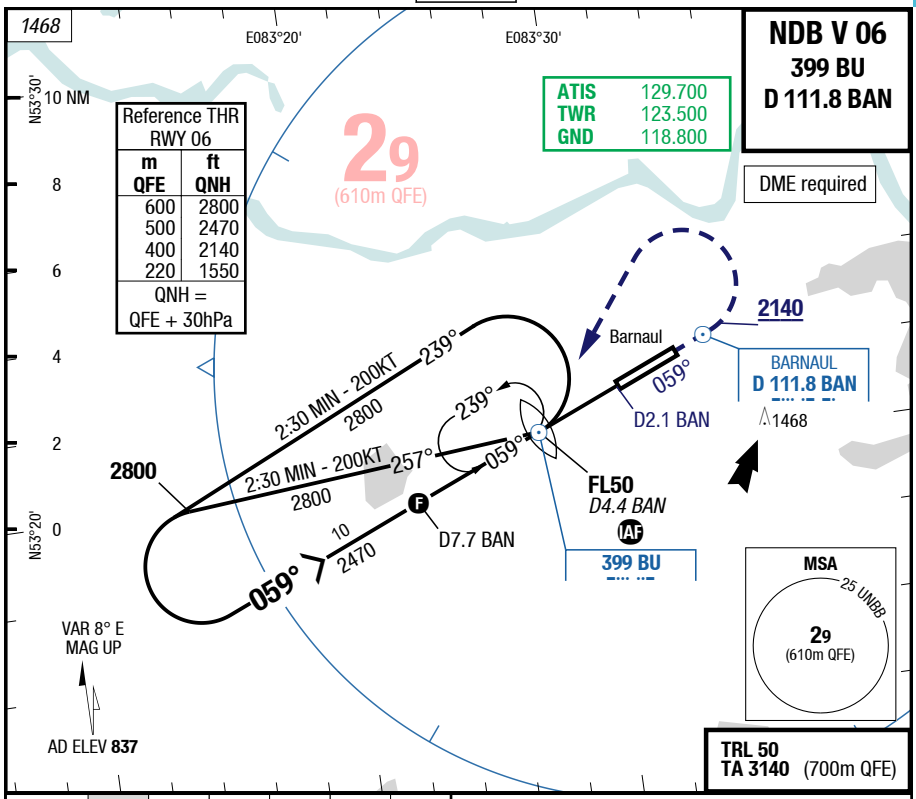
1) FAF must be given by TAR

Changes: Page Number, MIN, APL, OBST, Note

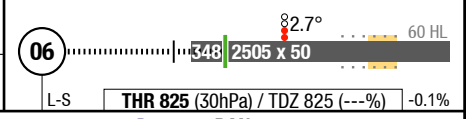
BAX-UNBB

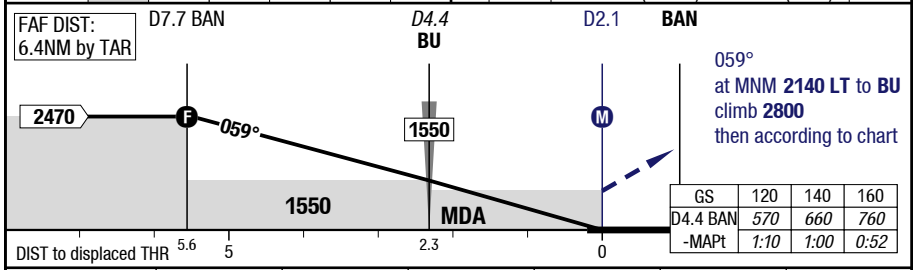
7-140

NDB V 06



2.67° D BAN		7.7	7	6	5	4
		2470	2300	2010	1720	1430





GS	120	140	160
D4.4 BAN	*570*	*660*	*760*
-MAPt	*1:10*	*1:00*	*0:52*

06		NDB DME BAN 1)	NDB DME BAN wo FAF				Circling N of AD only
C	ft - m/km ft	360 - 1.4 **1190**	750 - 2.4 **1580**				1030 - 2.4V **1870**
D	ft - m/km ft	360 - 1.4 **1190**	750 - 2.4 **1580**				1030 - 3.6V **1870**

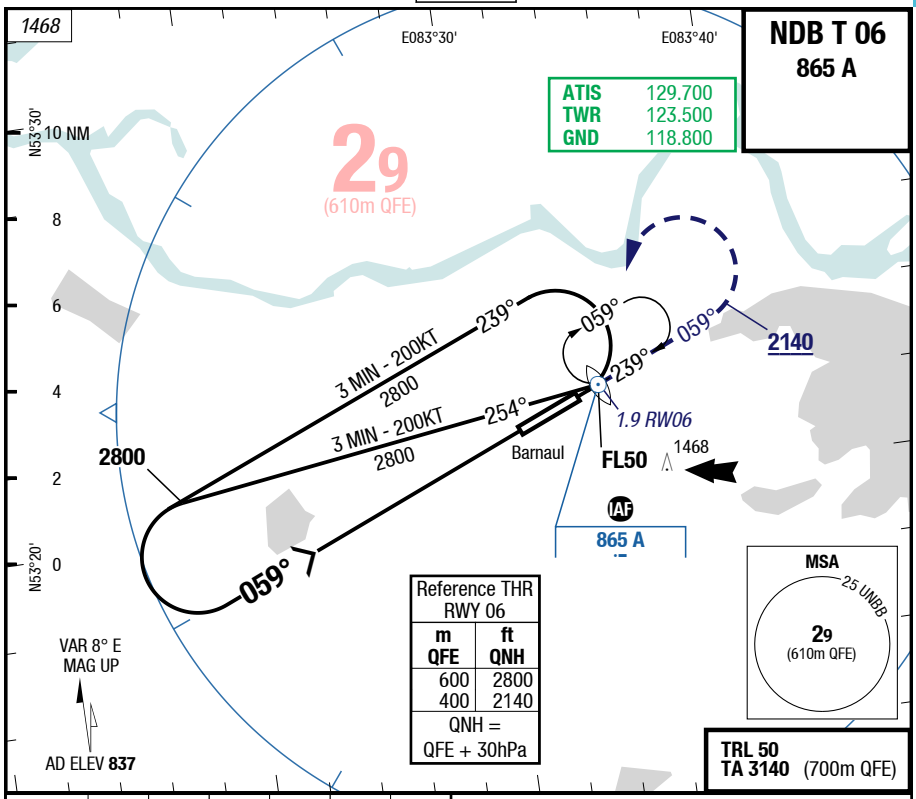
1) FAF must be given by TAR

Changes: MIN, APL, OBST, Note

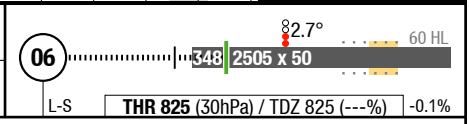
BAX-UNBB

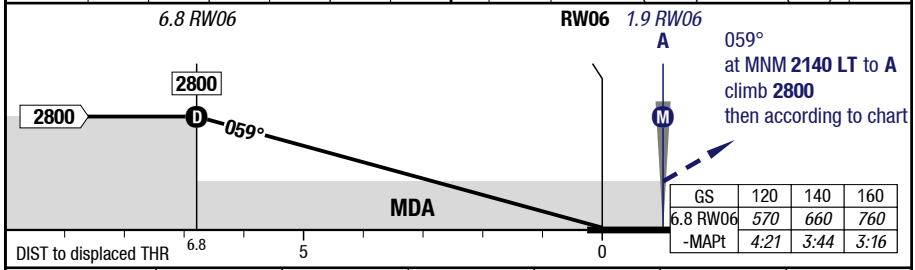
7-150

NDB T 06



2.67° RW06	6.8	6	5	4	3	2
	2800	2580	2300	2010	1730	1450





GS	120	140	160
6.8 RW06	570	660	760
-MAPt	4:21	3:44	3:16

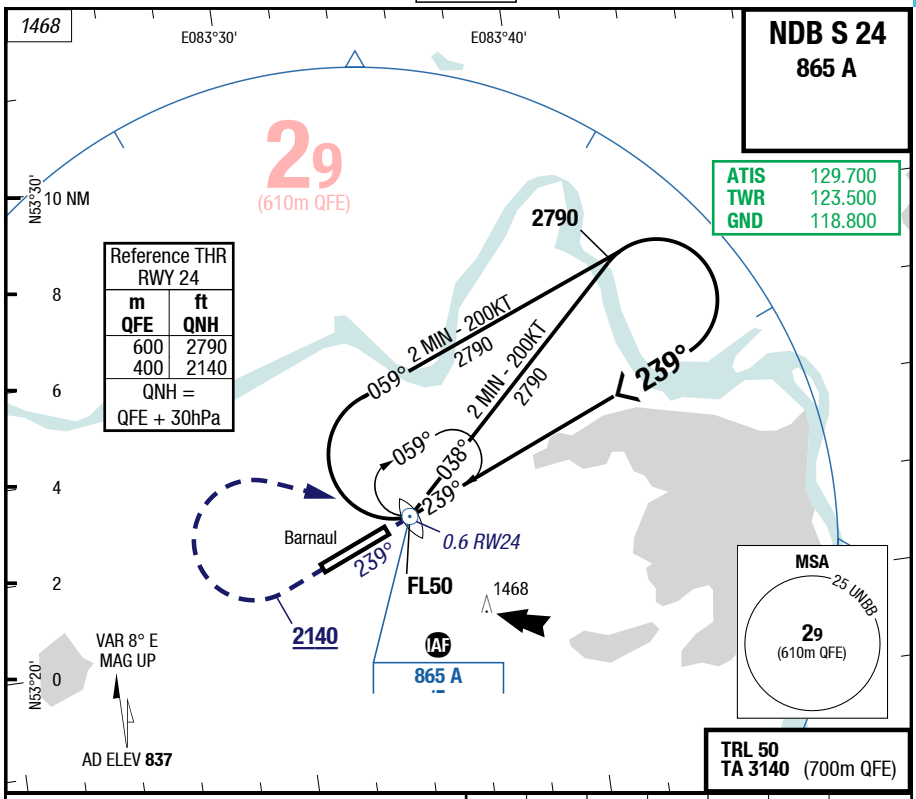
06		NDB wo FAF					Circling N of AD only
C	ft - m/km ft	560 - 2.3 **1380**					1030 - 2.4V **1870**
D	ft - m/km ft	560 - 2.3 **1380**					1030 - 3.6V **1870**

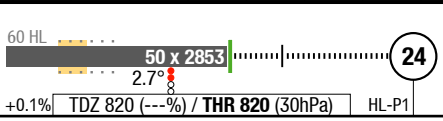
Changes: ALT, Page Number, APL, OBST

BAX-UNBB

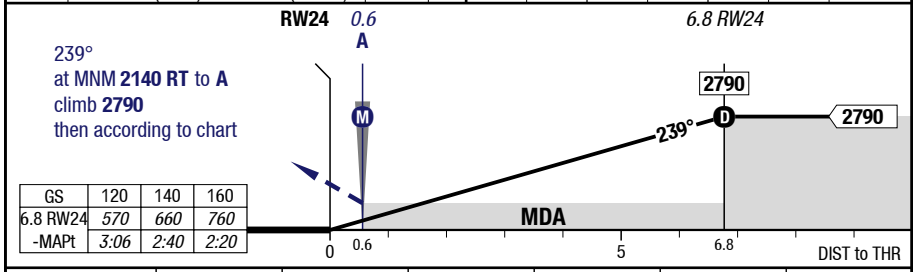
7-160

NDB S 24





2	3	4	5	6	6.8	2.67° RW24
1440	1720	2010	2290	2570	2790	



GS	120	140	160
6.8 RW24	570	660	760
-MAPt	3:06	2:40	2:20

24		NDB wo FAF					Circling N of AD only
C	ft - m/km ft	730 - 2.4 **1550**					1030 - 2.4V **1870**
D	ft - m/km ft	730 - 2.4 **1550**					1030 - 3.6V **1870**

Changes: Page Number, ALT, APL, OBST

24		**NDB** AR wo FAF					
C	ft - m/km ft	1010 - 2.4 **1830**					
D	ft - m/km ft	1010 - 2.4 **1830**					