

GYD-UBBB

1-10

AOI

AOI

GENERAL

Operational Hours

ATS Hours: H24

| AD ADMIN Hours: MON-FRI 0500-1400, SAT/SUN/HOL 0600-1100

Airport Information

RFF: CAT 8

Fuel: TS-1 (equivalent Jet A-1)

PCN: RWY 16/34, 17/35: 150/F/A/W/T

Operation

Traffic Notes

Surface Movement Guidance and Control System (SMGCS): This system consists of the provisions for guidance, control or regulation, to safe OPS of ACFT, GND vehicle and personnel on the AD during LVP.

Transponder Mode S

Select assigned transponder Mode A and activate S, set to AUTO if technically AVBL;

- from push-back or taxi whichever comes earlier
- after LDG, continuously until fully parked on stand

Select ACFT identification feature if AVBL, before activating transponder.

ACAS shall not be selected before receiving CLR to line-up. It should be deselected after vacating the RWY.

ACFT taxiing without FPL shall select Mode A code 2000.

Low Visibility Procedure

The preparation phase will be implemented when VIS below 1000m and/or ceiling is at or below 300ft and CAT II/III OPS are expected.

The OPS phase will be recommended when RVR falls to 600m and ceiling is at or below 200ft.

RWY exits for RWY 17/35 are equipped with green/yellow coded TWY CLL. On TWYs which are not equipped with TWY CLL will be led by Follow-me.

DEP ACFT ACFT are required to use the following CAT II/III holding point:

- RWY 17 on TWY A, B or C.
- RWY 35 on TWY A, B or H.
- RWY 16 on TWY L.
- RWY 34 on TWY E or J.

GND Movement Restrictions:

Taxiing is restricted to TWY A, B and C, equipped with CLL. On receiving taxi CLR ACFT must only proceed when a green CL path is illuminated.

Only one ACFT allowed on movement area.

Low VIS TKOF:

Pilots wishing to conduct a guided TKOF must inform ATC on start-up.

Taxiing on APN with marshaller only.

RWY Restriction

ACFT shall not enter or cross the RWY without CLR from TWR.

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GENERAL

Taxi/Parking

REQ CLR for push-back/towing from "Baku Ground" when actually ready.

Taxiing into stands by follow-me only.

Follow-me always AVBL O/R from "Baku Ground".

TWYs in APN area are not equipped with lights indicating median strip. Taxilines may be invisible due to snow, request follow-me via TWR.

Warnings

Do not mistake well lighted road between RWY 34 and RWY 35 for RWY.

Flights over City of BAKU prohibited.

Main TWY A from TWY C to the THR of RWY 17 lighting SYS is not AVBL.

ARRIVAL

Arrival Procedure

Point Merge System (PMS)

RWY 34, 35: The point merge system is in use, see Lido/RouteManual General Part NAV chapter.

| **Reverse:** RWY 17/35 between 1800-0200 use idle reverse only.

DEPARTURE

Take-off Minima

RWY		16/34, 17/35	
All ACFT	ft - m/km	0 - 75R	-

Departure Procedure

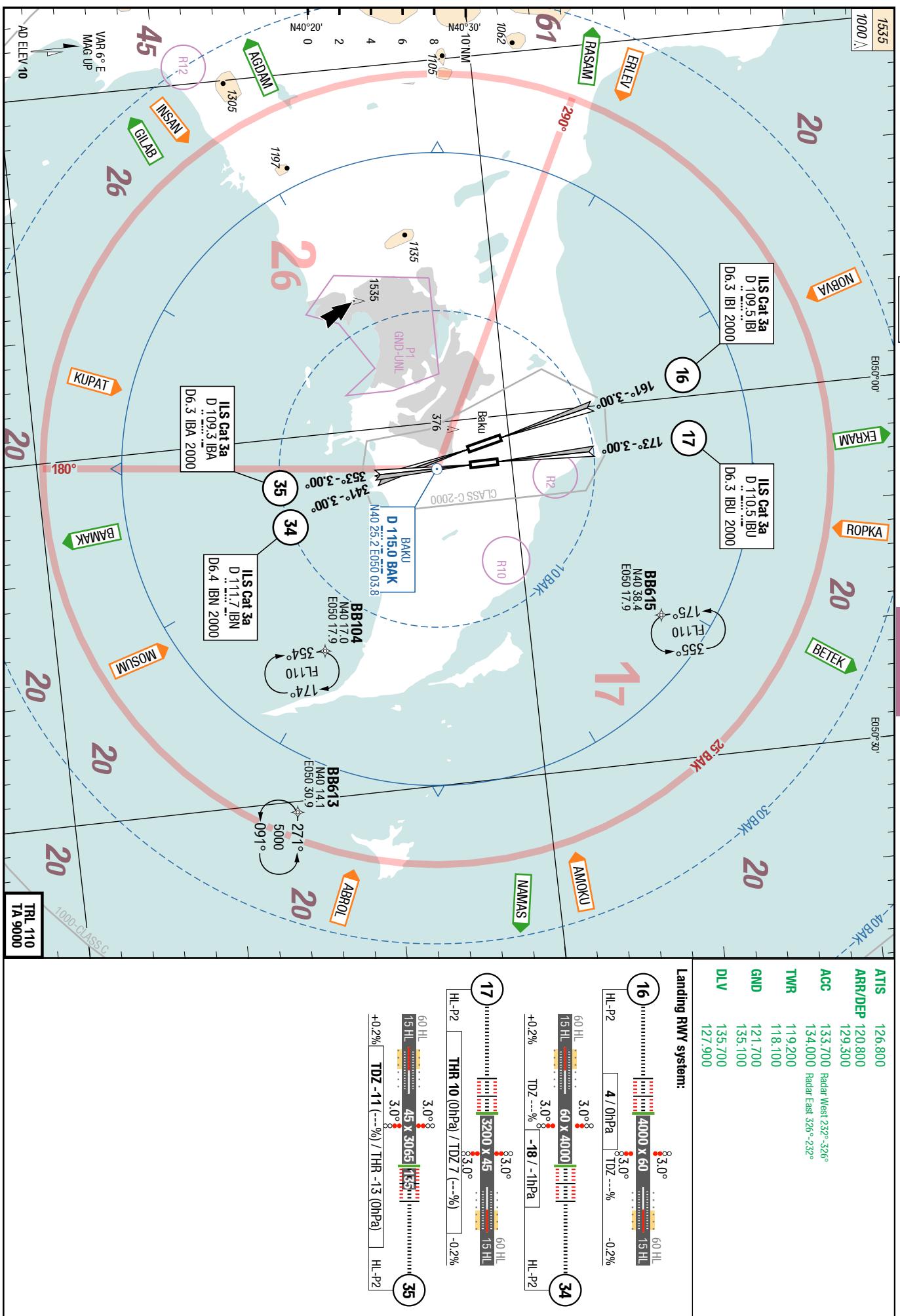
Start-up

Contact DLV 10min prior to start-up for ATC CLR.

ENG start-up should be requested before, during or after push-back/towing by GND, report PSN, QNH and ATIS.

De-Icing

AVBL



ATIS	126.800	
TWR	119.200	118.100
GND	121.700	135.100
DLV	135.700	127.900

E050°02'

E050°03'

E050°04'

Changes: QFU

16

4

90

1600
2400

4000 x 60

J

L

J

L

P

E

D

G

E

D

E

E

34
341°
-18

RWY	TORA	ASDA	TODA
16	4000	4090	4600
17	3200	3275	3200
34	4000	4090	4600
35	3200	3275	3600

ARP
N 40 28.2
E 050 03.1

J

ROUTE 4

APRON A

M

R

F

B

A

T

S

75

HANGAR

R

B

A

C

HANGAR

APRON D

ROUTE 12

ROUTE 11

ROUTE 10

ROUTE 9

ROUTE 8

ROUTE 7

ROUTE 6

ROUTE 5

ROUTE 4

ROUTE 3

ROUTE 2

ROUTE 1

APRON F

APRON G

APRON E

APRON C

APRON B

APRON A

TERMINAL 1

TERMINAL 2

CARGO TERMINAL 2

CARGO TERMINAL 1

TECHNICAL BASE

TERMINAL 1

TERMINAL 2

TERMINAL 3

TERMINAL 4

TERMINAL 5

TERMINAL 6

TERMINAL 7

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TERMINAL 212

GYD-UBB

GYD-UBB

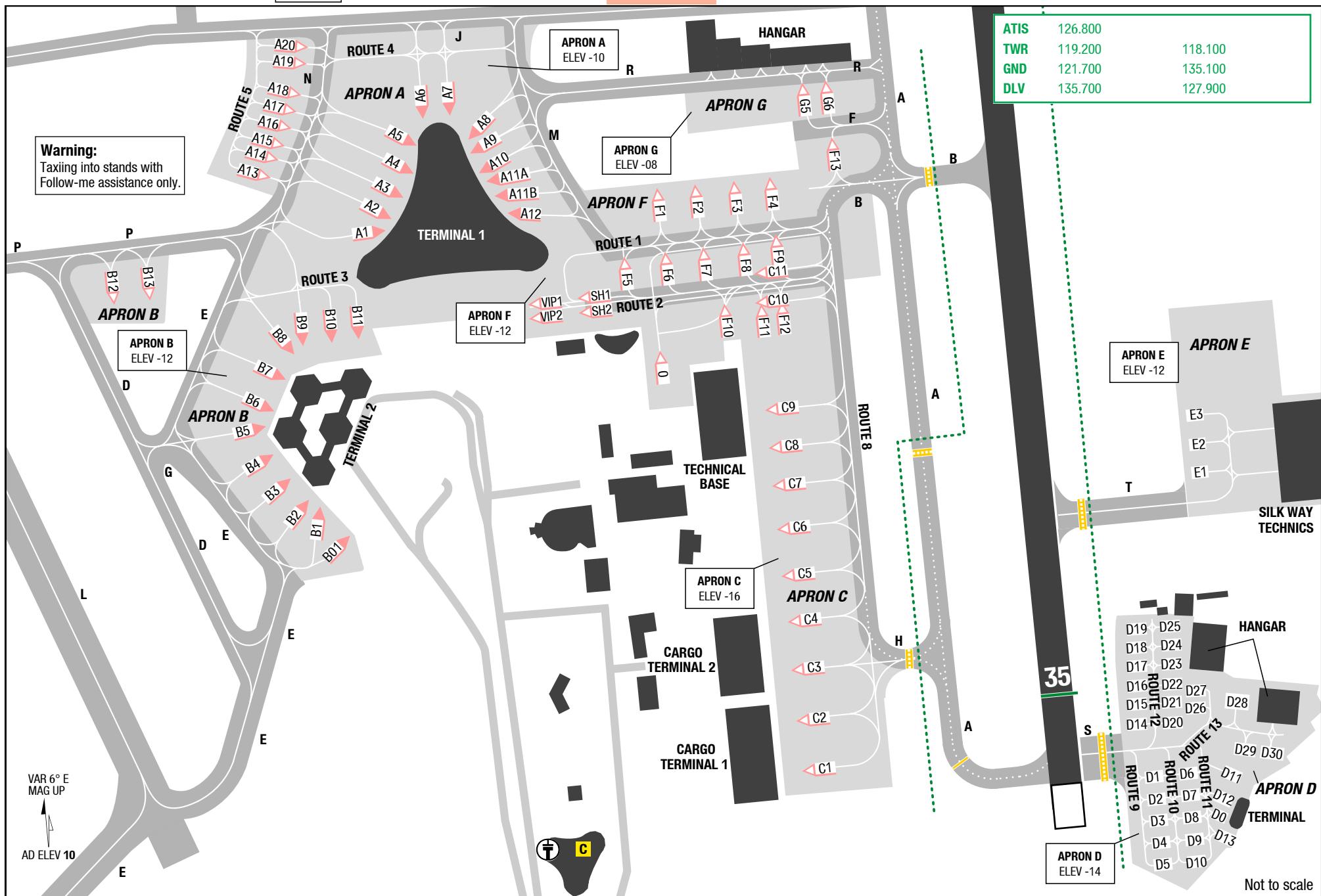
GYD-UBBB

3-30

APC

1

APC



Stand Coordinates

APRON A

A1 N40 27.9 E050 03.1
A2 N40 27.9 E050 03.0
A3-A7 N40 28.0 E050 03.1
A8-A12 N40 28.0 E050 03.2
A13, A14 N40 28.0 E050 02.9

A15-A17 N40 28.0 E050 03.0
A18-A20 N40 28.1 E050 03.0

APRON B

B1, B01 N40 27.7 E050 03.0
B2-B4 N40 27.7 E050 02.9
B5-B8 N40 27.8 E050 02.9
B9-B11 N40 27.8 E050 03.0
B12 N40 27.9 E050 02.7

B13 N40 27.9 E050 02.8

APRON C

C1 N40 27.4 E050 03.5
C2-C4 N40 27.5 E050 03.5
C5, C6 N40 27.6 E050 03.5
C7, C8 N40 27.7 E050 03.5
C9, C10 N40 27.8 E050 03.5

C11 N40 27.9 E050 03.5

APRON D

D0 N40 27.3 E050 04.0
D1, D2 N40 27.4 E050 03.9
D3-D5 N40 27.3 E050 03.9
D6, D7 N40 27.4 E050 04.0
D8-D10 N40 27.3 E050 04.0

D11, D12 N40 27.4 E050 04.0
D13 N40 27.3 E050 04.0
D14 N40 27.4 E050 03.9
D15-D19 N40 27.5 E050 03.9
D20 N40 27.4 E050 03.9

D21-D25 N40 27.5 E050 03.9
D26 N40 27.4 E050 04.0
D27 N40 27.5 E050 04.0
D28, D29 N40 27.4 E050 04.0
D30 N40 27.4 E050 04.1

APRON E

E1-E3 N40 27.7 E050 04.0

APRON F

0 N40 27.8 E050 03.4
VIP1, VIP2 N40 27.8 E050 03.3
SH1, SH2 N40 27.8 E050 03.3
F1, F2 N40 28.0 E050 03.4
F3, F4 N40 28.0 E050 03.5

F5-F7 N40 27.9 E050 03.4
F8, F9 N40 27.9 E050 03.5

F10 N40 27.8 E050 03.4
F11, F12 N40 27.8 E050 03.5
F13 N40 28.0 E050 03.6

APRON G

G5, G6 N40 28.0 E050 03.6

Effective 15-SEP-2016

08-SEP-2016

Azerbaijan **Baku** Heydar Aliyev Intl

SII

Heydar Aliyev Intl Baku Azerbaijan

RNAV SIDs

GYD-UBBB

4-10

RNAV SIDs RWY 16

HLDG only when unable to climb 8000

This aeronautical chart displays flight levels 1000, 1100, and 1200 across the Caspian Sea and the Baku region. Key features include:

- Flight Levels:** 1000, 1100, 1200.
- Control Areas:** R2, R10.
- Airports:** Baku (D 115.0 BAK), NAMAS FL120, EKRAM FL140, BETEK FL140, RASAM 2A, BAMAFL120, BAMA 1A, BB100 1000, BB101, BB102, BB104 8000, BB106, BB108 FL110.
- Runways:** Baku (16L/34R).
- Walls:** 180°, 204°, 161°, 168°, 136°, 085°, 074°.
- Walls Labels:** 20, 21, 24, 263°, 005°, 354°.
- Depot and ACC Data:**

DEP	120.800 129.300
ACC	133.700 Radar West 232°-326° 134.000 Radar East 326°-232°
- RNAV/GNSS Requirements:** RNAV 1 required, GNSS required.
- Other:** 1000-CLASSIC boundary.

Changes: Nil

GYD-UBBB

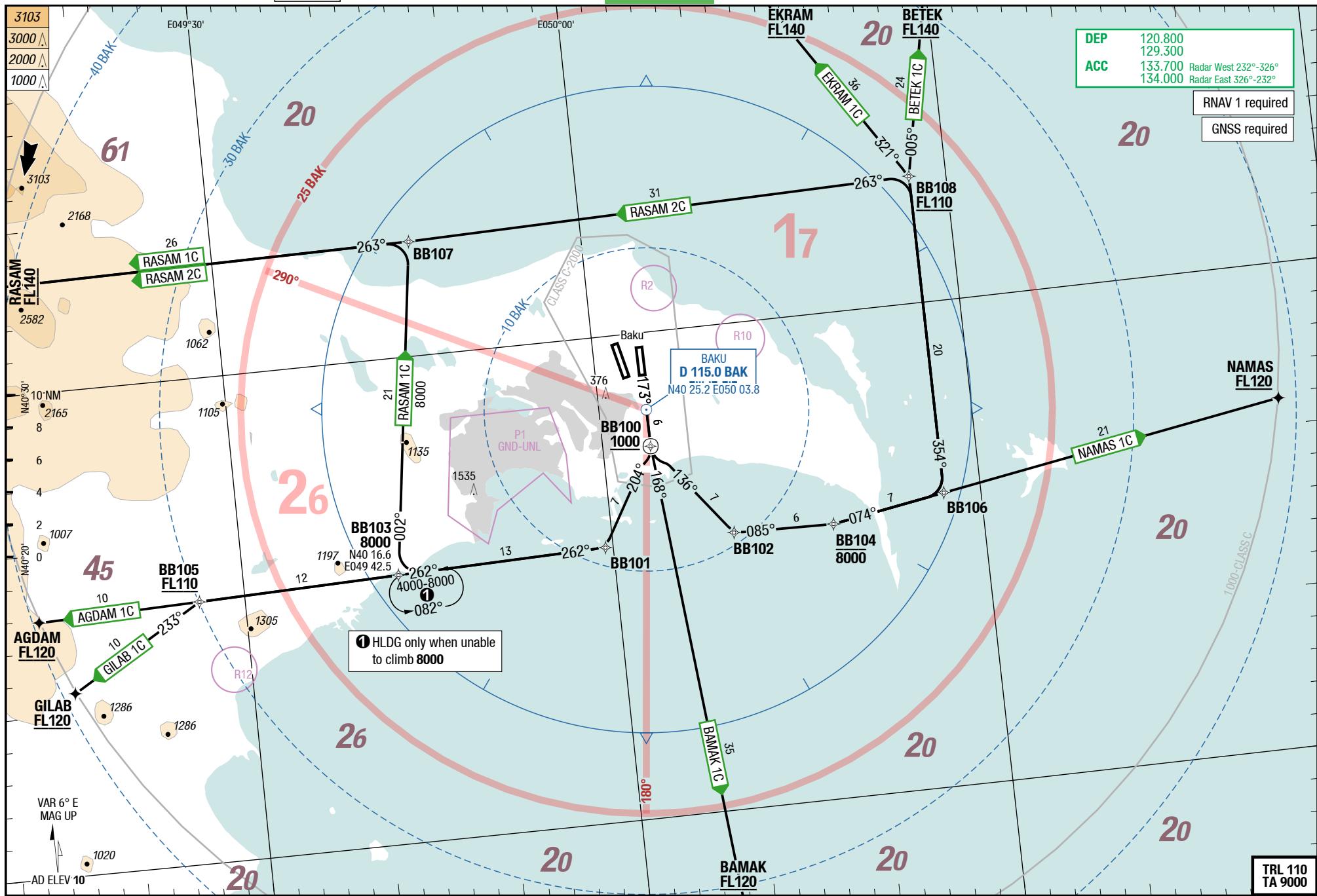
4-20

RNAV SIDs RWY 17

10

SD

RNAV SIDs RWY 17



Effective 15-SEP-2016

08-SEP-2016

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[RNAV SIDs RWY 35]

4-30

RNAV SIDs RWY 34

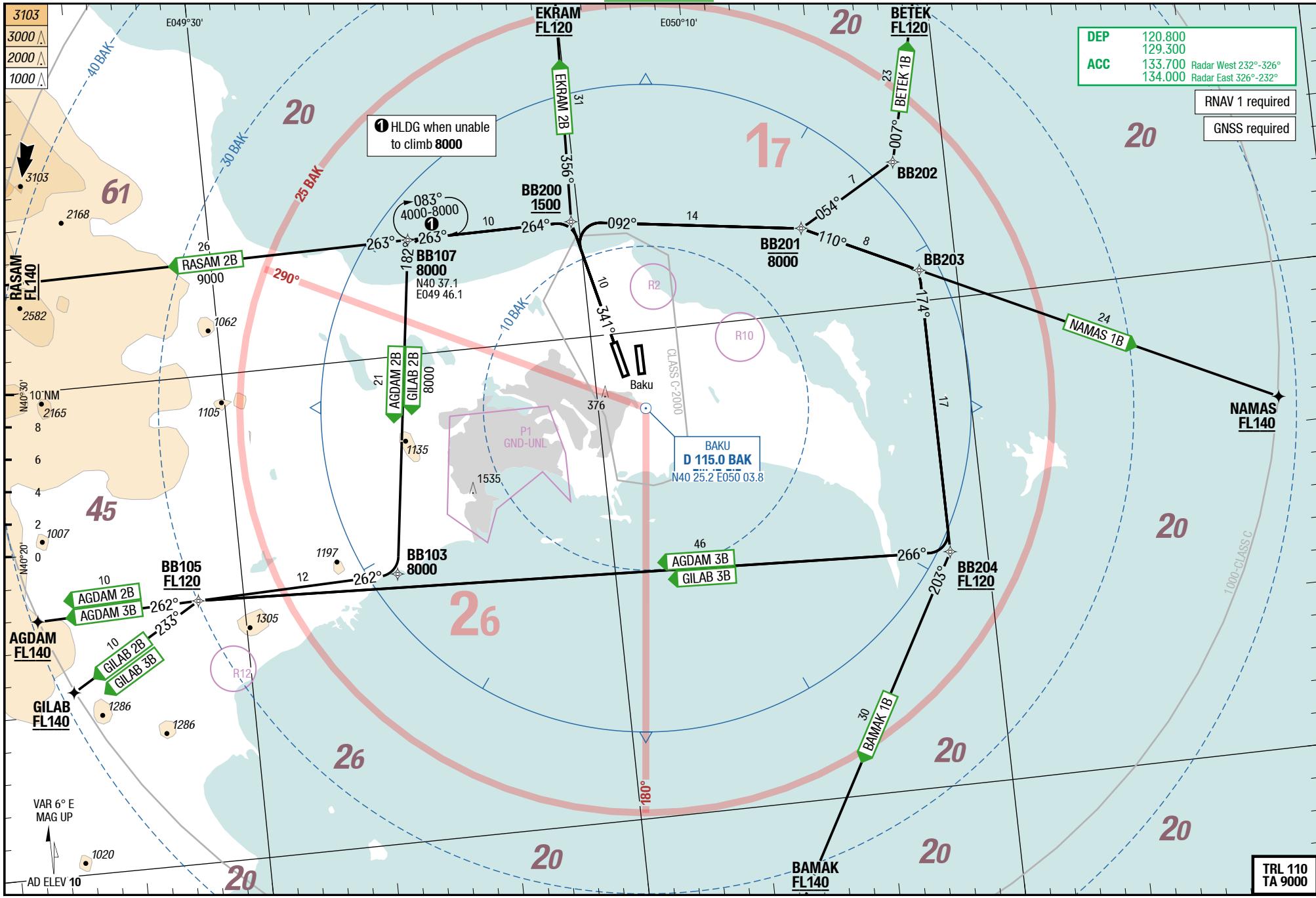
SID

SID

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[RNAV SIDs RWY 35]

RNAV SIDs RWY 34



GYD-UBBB

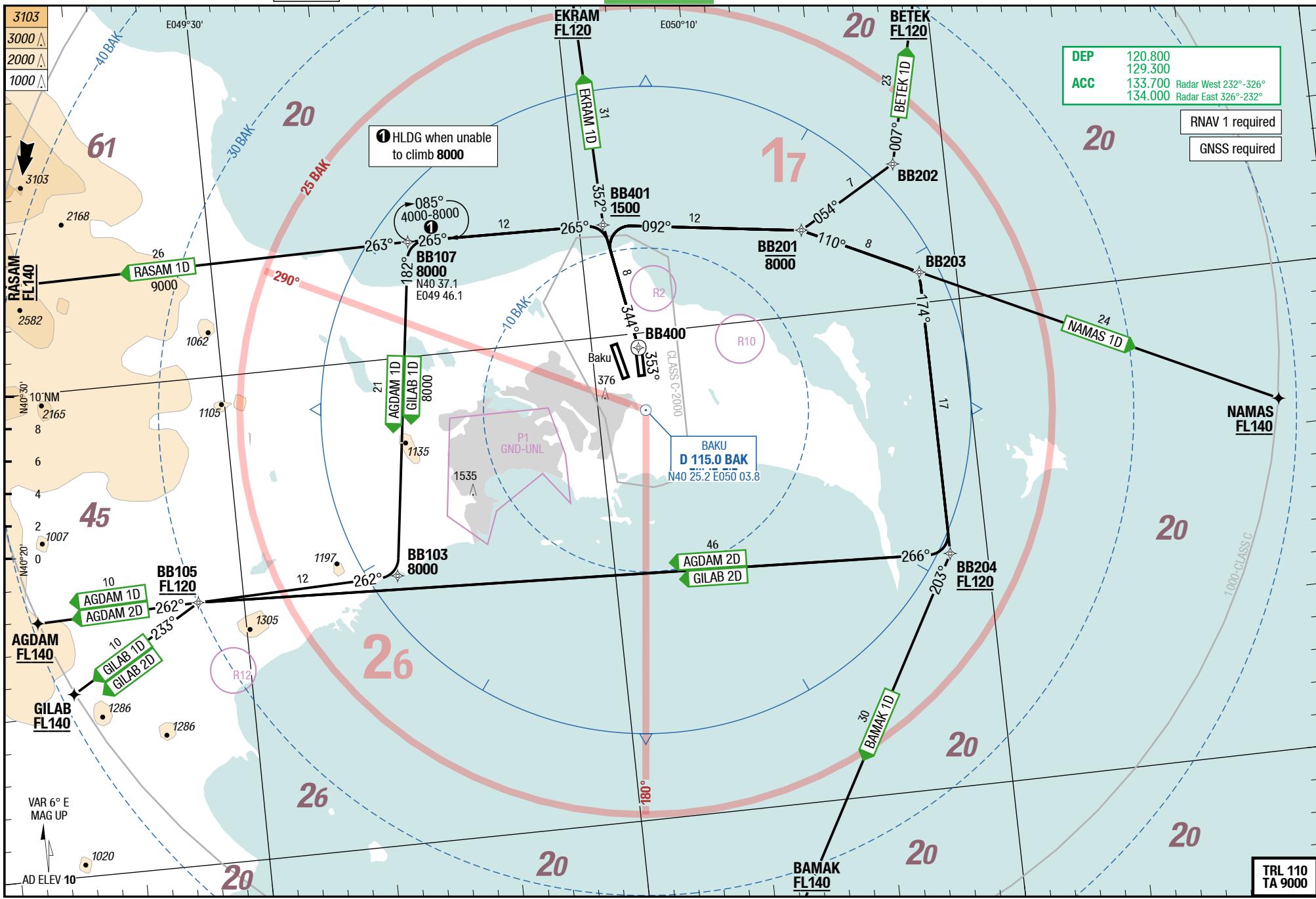
4-40

RNAV SIDs RWY 35

SD

8

RNAV SIDs RWY 35



GYD-UBBB

5-10

RNAV SIDs RWY 16

AGDAM 2A / BAMAK 1A / BETEK 2A / EKRAM 1A / GILAB 2A / NAMAS 1A / RASAM 1A / RASAM 2A
RWY 16 (161°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 16		
AGDAM 2A 120.800 ①	<u>BB100 [A1000+ ;R] - BB101 [R] - BB103 [A8000] - BB105 [F110+]</u> - AGDAM [F120+]	
BAMAK 1A 120.800	<u>BB100 [A1000+ ;R] - BAMAK [F120+]</u>	
BETEK 2A 120.800	<u>BB100 [A1000+ ;L] - BB102 [L] - BB104 [A8000- ;L] - BB106 [L] - BB108 [F110+ ;R] - BETEK [F140+]</u>	
EKRAM 1A 120.800	<u>BB100 [A1000+ ;L] - BB102 [L] - BB104 [A8000- ;L] - BB106 [L] - BB108 [F110+ ;L] - EKRAM [F140+]</u>	
GILAB 2A 120.800 ①	<u>BB100 [A1000+ ;R] - BB101 [R] - BB103 [A8000] - BB105 [F110+ ;L] - GILAB [F120+]</u>	
NAMAS 1A 120.800	<u>BB100 [A1000+ ;L] - BB102 [L] - BB104 [A8000- ;L] - BB106 - NAMAS [F120+]</u>	
RASAM 1A 120.800 ①	<u>BB100 [A1000+ ;R] - BB101 [R] - BB103 [A8000 ;R] - BB107 [L] - RASAM [F140+]</u>	
RASAM 2A 120.800	<u>BB100 [A1000+ ;L] - BB102 [L] - BB104 [A8000- ;L] - BB106 [L] - BB108 [F110+ ;L] - BB107 - RASAM [F140+]</u>	

① HLDG over BB103 when unable to climb 8000.

GYD-UBBB

5-20

RNAV SIDs RWY 17

SIDPT

AGDAM 1C / BAMAK 1C / BETEK 1C / EKRAM 1C / GILAB 1C / NAMAS 1C / RASAM 1C / RASAM 2C
RWY 17 (173°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 17		
AGDAM 1C 120.800 ①	<u>BB100 [R]</u> - BB101 [R] - BB103 - BB105 - AGDAM	BB100 MNM 1000 BB103 at 8000 BB105 MNM FL110 AGDAM MNM FL120
BAMAK 1C 120.800	<u>BB100 [L]</u> - BAMAK	BB100 MNM 1000 BAMAL MNM FL120
BETEK 1C 120.800	<u>BB100 [L]</u> - BB102 [L] - BB104 [L] - BB106 [L] - BB108 [R] - BETEK	BB100 MNM 1000 BB104 MAX 8000 BB108 MNM FL110 BETEK MNM FL140
EKRAM 1C 120.800	<u>BB100 [L]</u> - BB102 [L] - BB104 [L] - BB106 [L] - BB108 [L] - EKRAM	BB100 MNM 1000 BB104 MAX 8000 BB108 MNM FL110 EKRAM MNM FL140
GILAB 1C 120.800 ①	<u>BB100 [R]</u> - BB101 [R] - BB103 - BB105 [L] - GILAB	BB100 MNM 1000 BB103 at 8000 BB105 MNM FL110 GILAB MNM FL120
NAMAS 1C 120.800	<u>BB100 [L]</u> - BB102 [L] - BB104 [L] - BB106 - NAMAS	BB100 MNM 1000 BB104 MAX 8000 NAMAS MNM FL120
RASAM 1C 120.800 ①	<u>BB100 [R]</u> - BB101 [R] - BB103 [R] - BB107 [L] - RASAM	BB100 MNM 1000 BB103 at 8000 RASAM MNM FL140
RASAM 2C 120.800	<u>BB100 [L]</u> - BB102 [L] - BB104 [L] - BB106 [L] - BB108 [L] - BB107 - RASAM	BB100 MNM 1000 BB104 MAX 8000 BB108 MNM FL110 RASAM MNM FL140

① HLDG over BB103 when unable to climb 8000.

GYD-UBBB

5-30

RNAV SIDs RWY 34

AGDAM 2B / AGDAM 3B / BAMAK 1B / BETEK 1B / EKRAM 2B / GILAB 2B / GILAB 3B / NAMAS 1B / RASAM 2B

RWY 34 (341°)

DESIGNATOR	ROUTING	ALTITUDES
Runway 34		
AGDAM 2B 120.800 ①	BB200 [A1500+ ;L] - BB107 [A8000 ;L] - BB103 [A8000 ;R] - BB105 [F120+] - AGDAM [F140+]	
AGDAM 3B 120.800	BB200 [A1500+ ;R] - BB201 [A8000- ;R] - BB203 [R] - BB204 [F120+ ;R] - BB105 [F120+ ;L] - AGDAM [F140+]	
BAMAK 1B 120.800	BB200 [A1500+ ;R] - BB201 [A8000- ;R] - BB203 [R] - BB204 [F120+ ;R] - BAMAK [F140+]	
BETEK 1B 120.800	BB200 [A1500+ ;R] - BB201 [A8000- ;L] - BB202 [L] - BETEK [F120+]	
EKRAM 2B 120.800	BB200 [A1500+ ;R] - EKRAM [F120+]	
GILAB 2B 120.800 ①	BB200 [A1500+ ;L] - BB107 [A8000 ;L] - BB103 [A8000 ;R] - BB105 [F120+ ;L] - GILAB [F140+]	
GILAB 3B 120.800	BB200 [A1500+ ;R] - BB201 [A8000- ;R] - BB203 [R] - BB204 [F120+ ;R] - BB105 [F120+ ;L] - GILAB [F140+]	
NAMAS 1B 120.800	BB200 [A1500+ ;R] - BB201 [A8000- ;R] - BB203 - NAMAS [F140+]	
RASAM 2B 120.800 ①	BB200 [A1500+ ;L] - BB107 [A8000] - RASAM [F140+]	

① HLDG over BB107 when unable to climb 8000.

GYD-UBBB

5-40

RNAV SIDs RWY 35

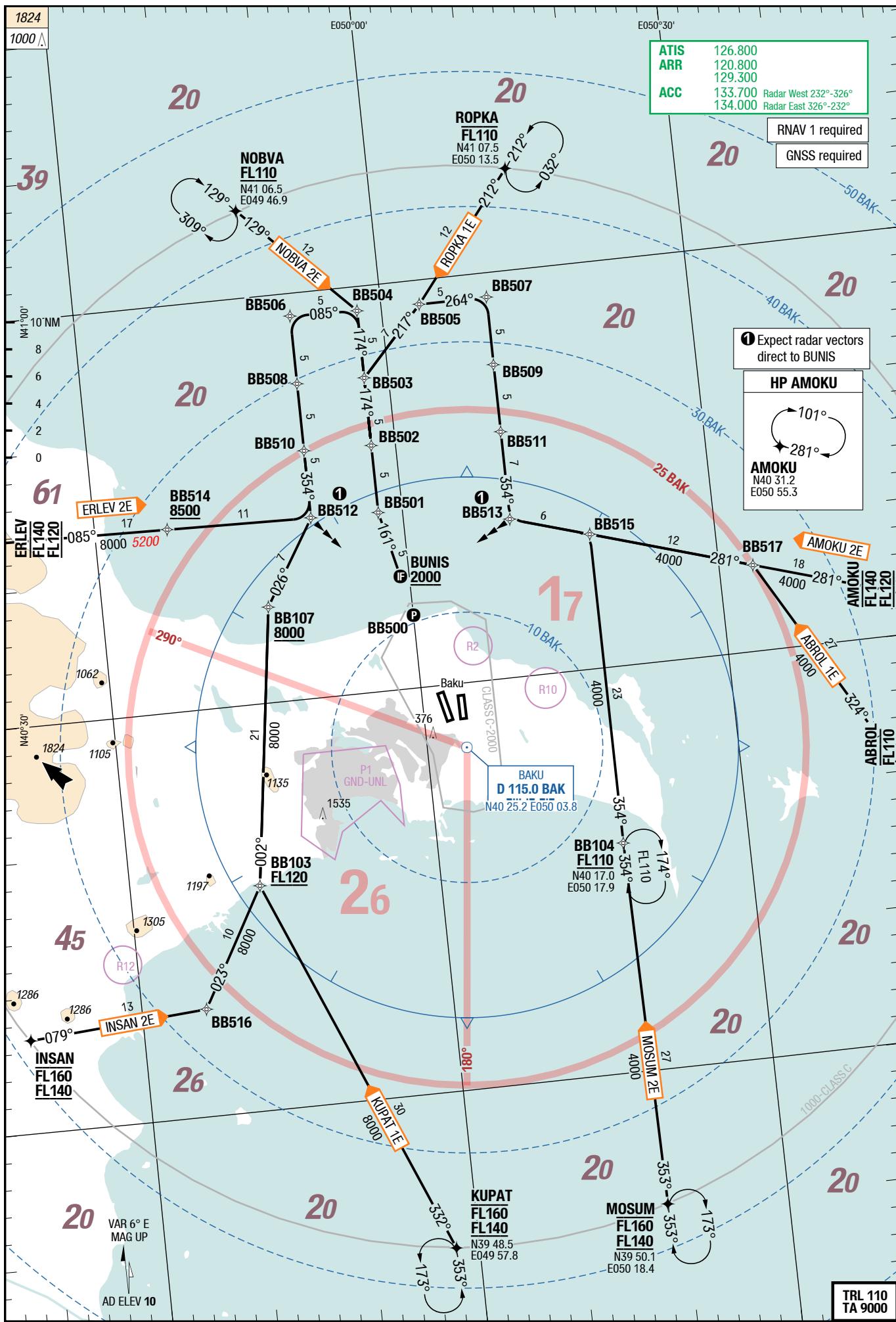
SIDPT

**AGDAM 1D / AGDAM 2D / BAMAK 1D / BETEK 1D / EKRAM 1D / GILAB 1D / GILAB 2D /
NAMAS 1D / RASAM 1D**

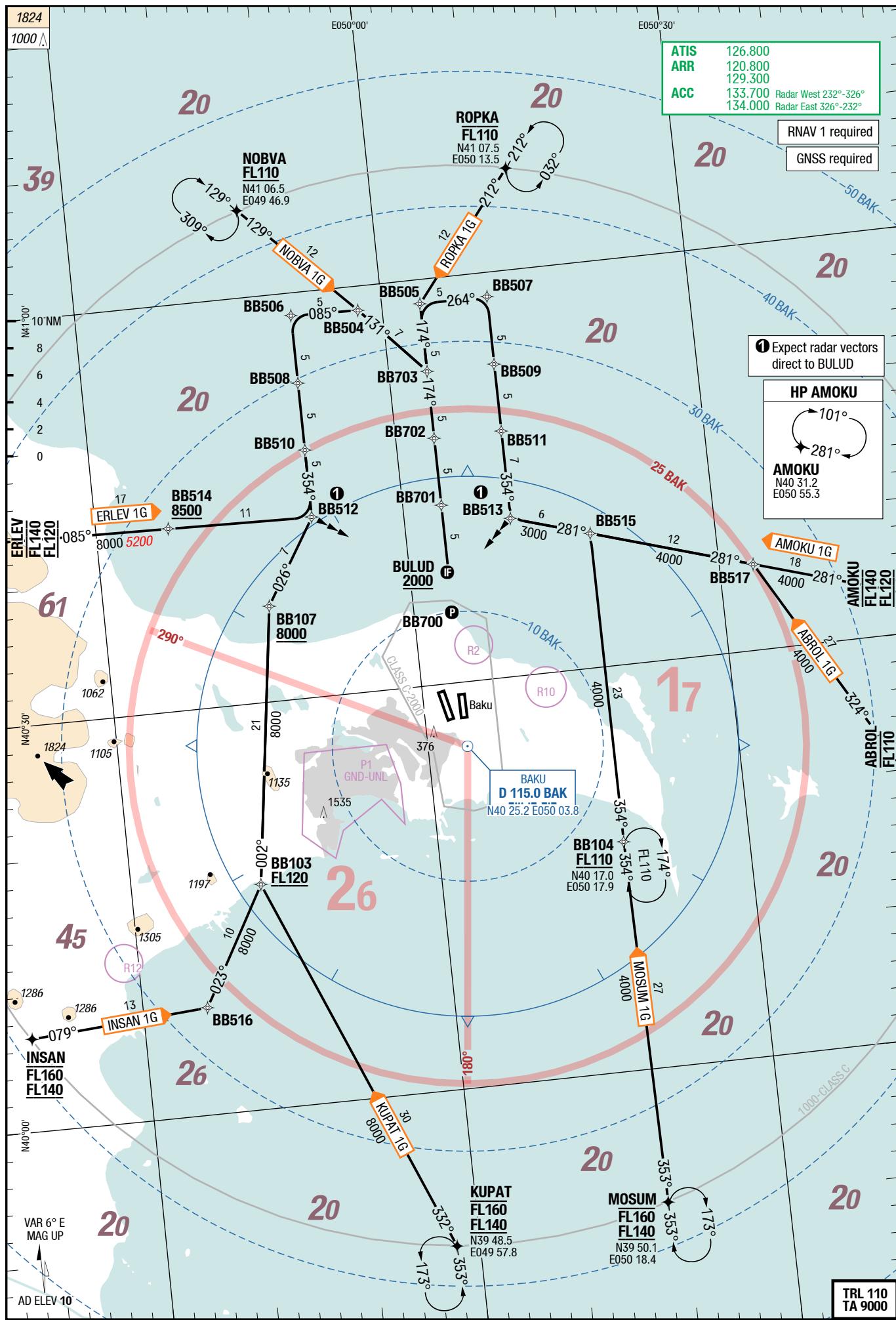
RWY 35 (353°)

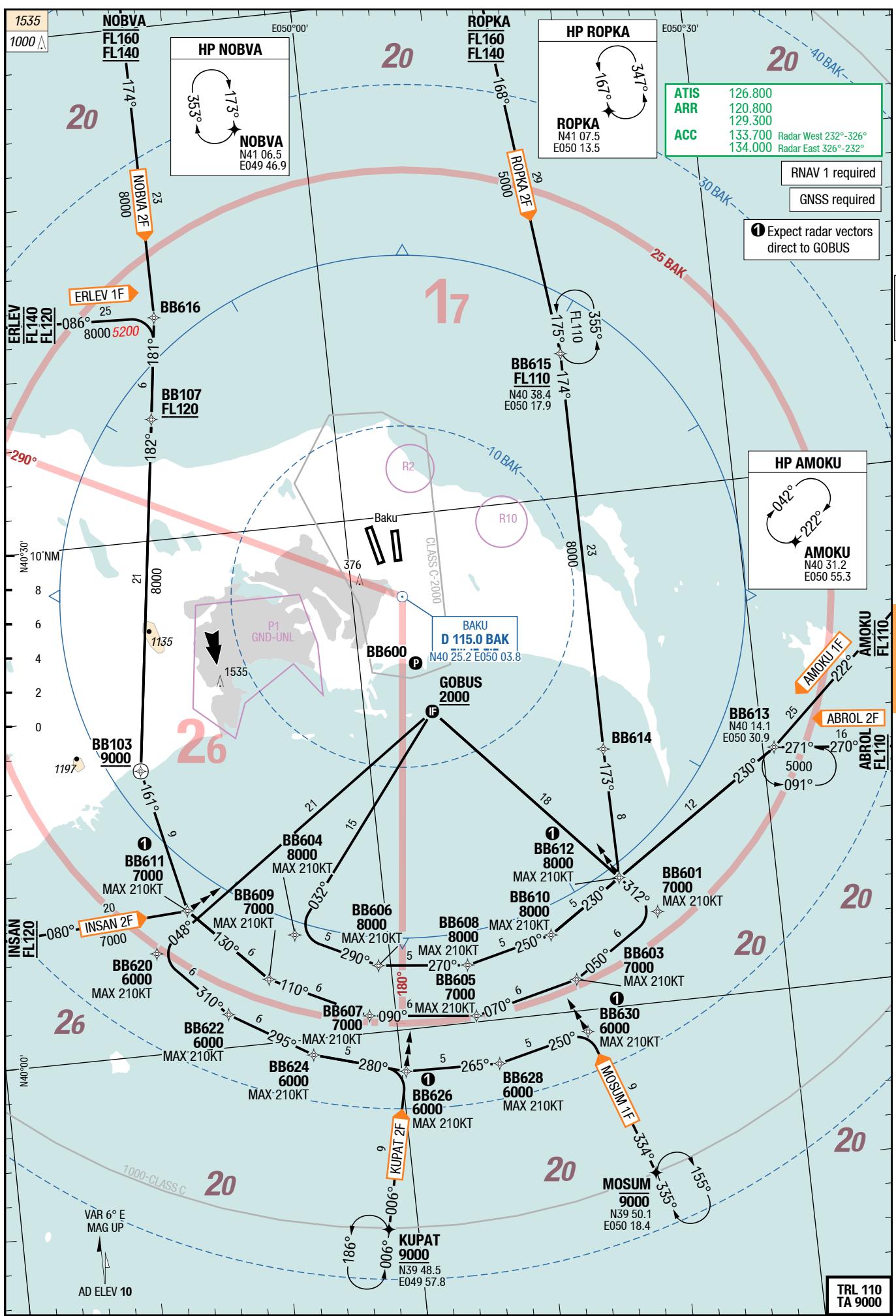
DESIGNATOR	ROUTING	ALTITUDES
	Runway 35	
AGDAM 1D 120.800 ①	<u>BB400 [L]</u> - BB401 [L] - BB107 [L] - BB103 [R] - BB105 - AGDAM	BB401 MNM 1500 BB107 at 8000 BB103 at 8000 BB105 MNM FL120 AGDAM MNM FL140
AGDAM 2D 120.800	<u>BB400 [L]</u> - BB401 [R] - BB201 [R] - BB203 [R] - BB204 [R] - BB105 [L] - AGDAM	BB401 MNM 1500 BB201 MAX 8000 BB204 MNM FL120 BB105 MNM FL120 AGDAM MNM FL140
BAMAK 1D 120.800	<u>BB400 [L]</u> - BB401 [R] - BB201 [R] - BB203 [R] - BB204 [R] - BAMAK	BB401 MNM 1500 BB201 MAX 8000 BB204 MNM FL120 BAMAK MNM FL140
BETEK 1D 120.800	<u>BB400 [L]</u> - BB401 [R] - BB201 [L] - BB202 [L] - BETEK	BB401 MNM 1500 BB201 MAX 8000 BETEK MNM FL120
EKRAM 1D 120.800	<u>BB400 [L]</u> - BB401 [R] - EKRAM	BB401 MNM 1500 EKRAM MNM FL120
GILAB 1D 120.800 ①	<u>BB400 [L]</u> - BB401 [L] - BB107 [L] - BB103 [R] - BB105 [L] - GILAB	BB401 MNM 1500 BB107 at 8000 BB103 at 8000 BB105 MNM FL120 GILAB MNM FL140
GILAB 2D 120.800	<u>BB400 [L]</u> - BB401 [R] - BB201 [R] - BB203 [R] - BB204 [R] - BB105 [L] - GILAB	BB401 MNM 1500 BB201 MAX 8000 BB204 MNM FL120 BB105 MNM FL120 GILAB MNM FL140
NAMAS 1D 120.800	<u>BB400 [L]</u> - BB401 [R] - BB201 [R] - BB203 [R] - NAMAS	BB401 MNM 1500 BB201 MAX 8000 NAMAS MNM FL140
RASAM 1D 120.800 ①	<u>BB400 [L]</u> - BB401 [L] - BB107 [L] - RASAM	BB401 MNM 1500 BB107 at 8000 RASAM MNM FL140

① HLDG over BB107 when unable to climb 8000.



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RNAV STARS RWY 35

RNAV STARS RWY 35

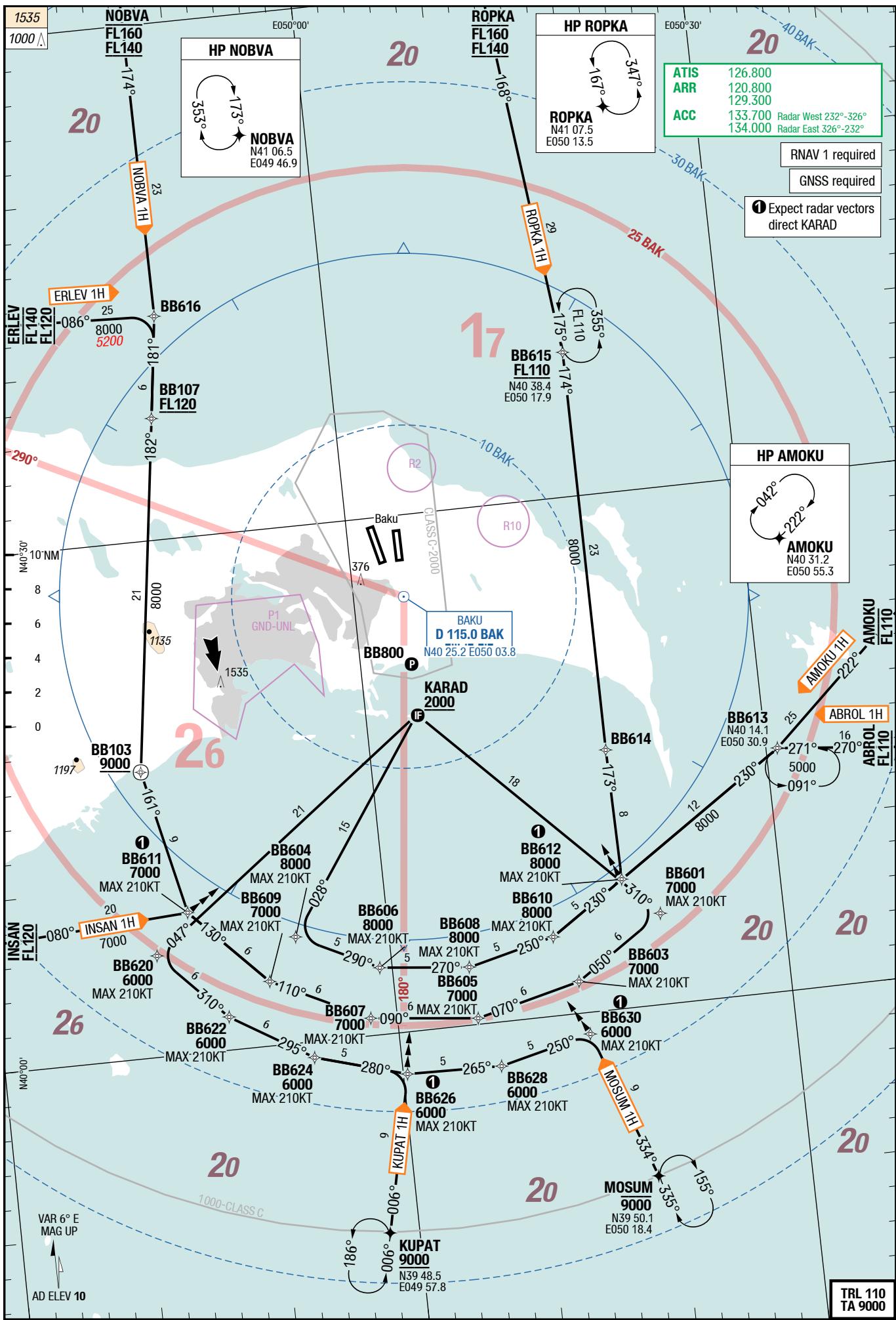
Figure 1. A schematic diagram of the experimental setup. The green rectangle indicates the sample stage, which is connected to a vacuum system (not shown). The blue dashed line indicates the beam path, which passes through the sample stage and is focused onto a detector (not shown).

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FL110

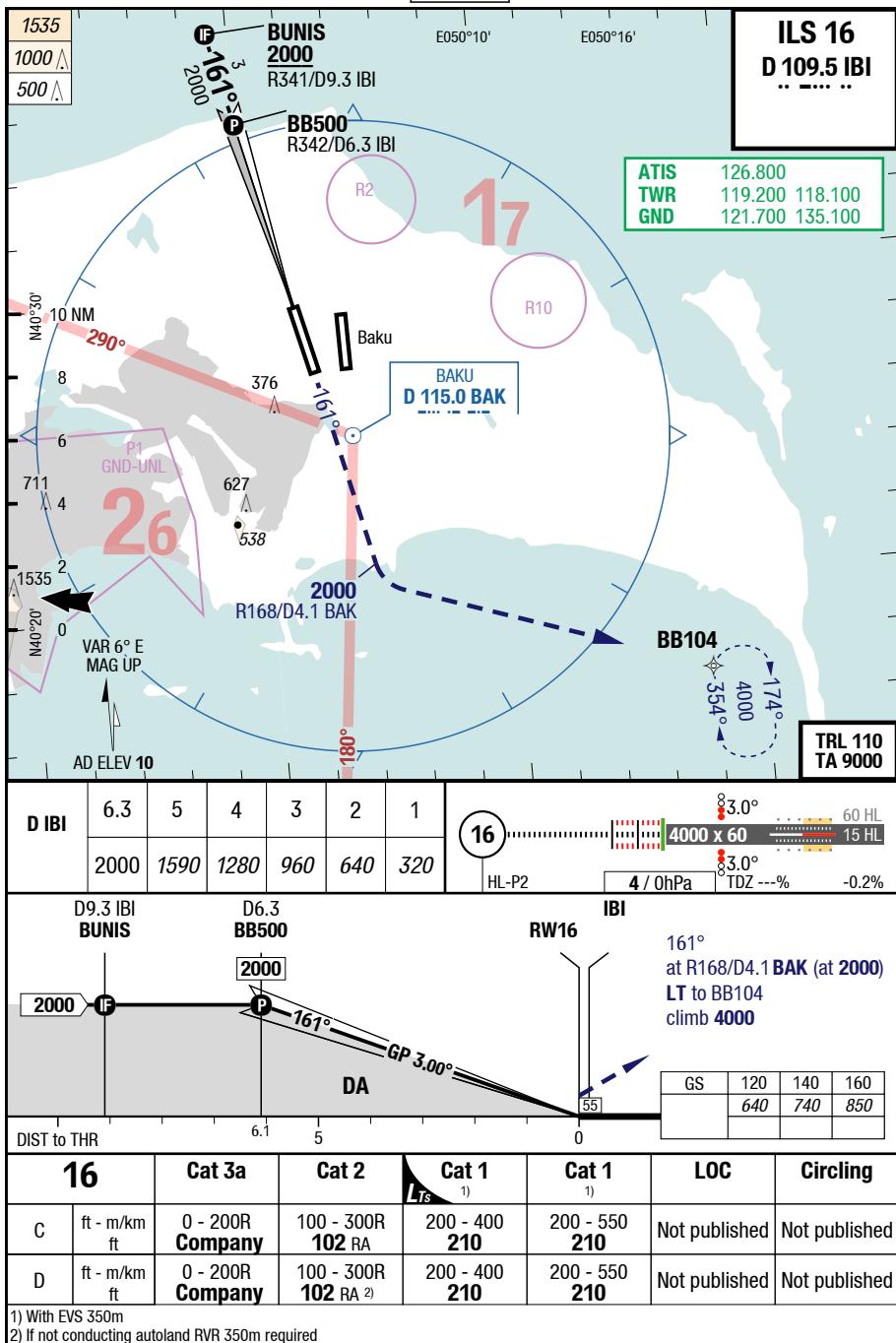
FL10



GYD-UBBB

7-10

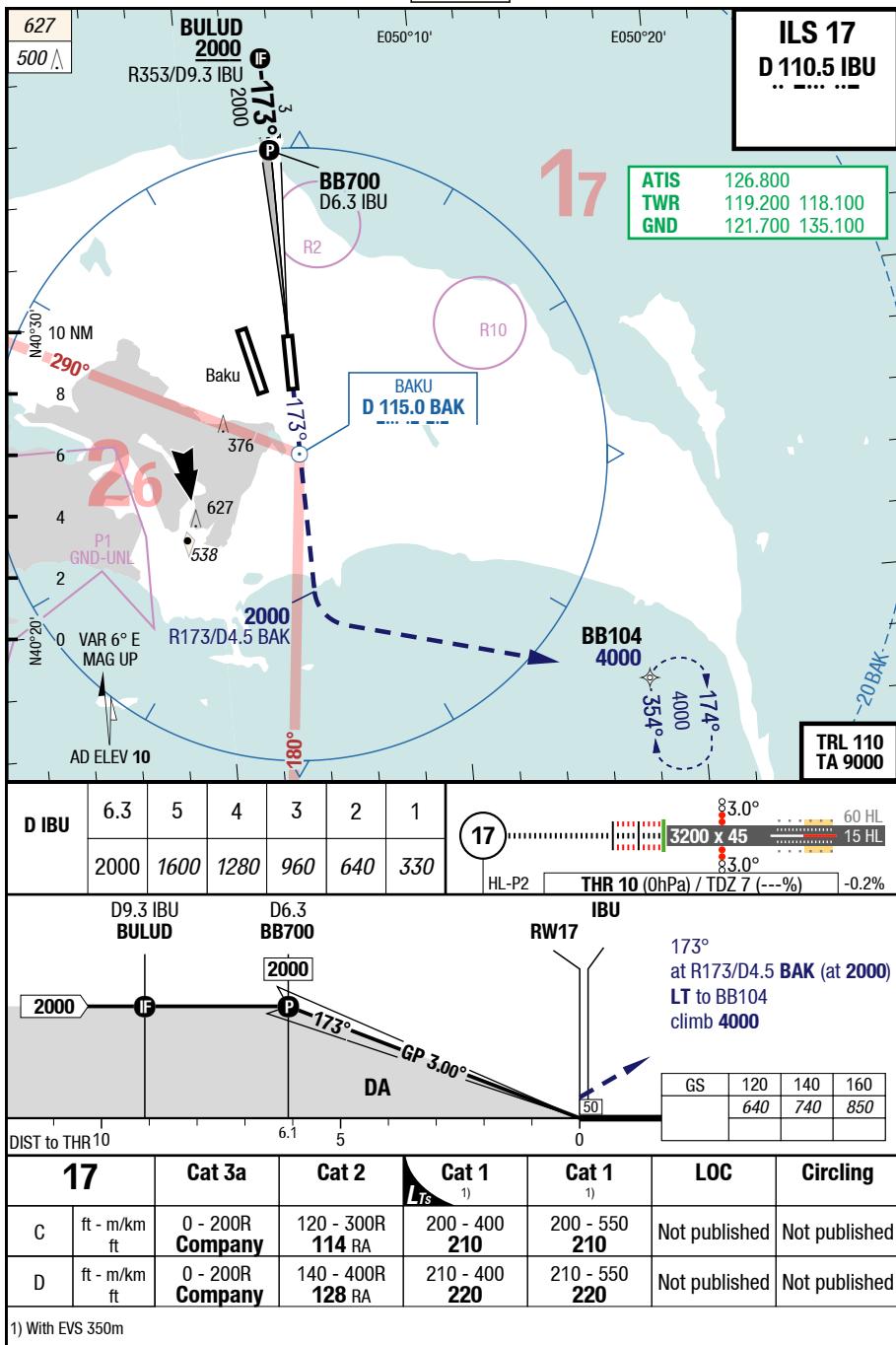
ILS 16



GYD-UBBB

7-20

ILS 17

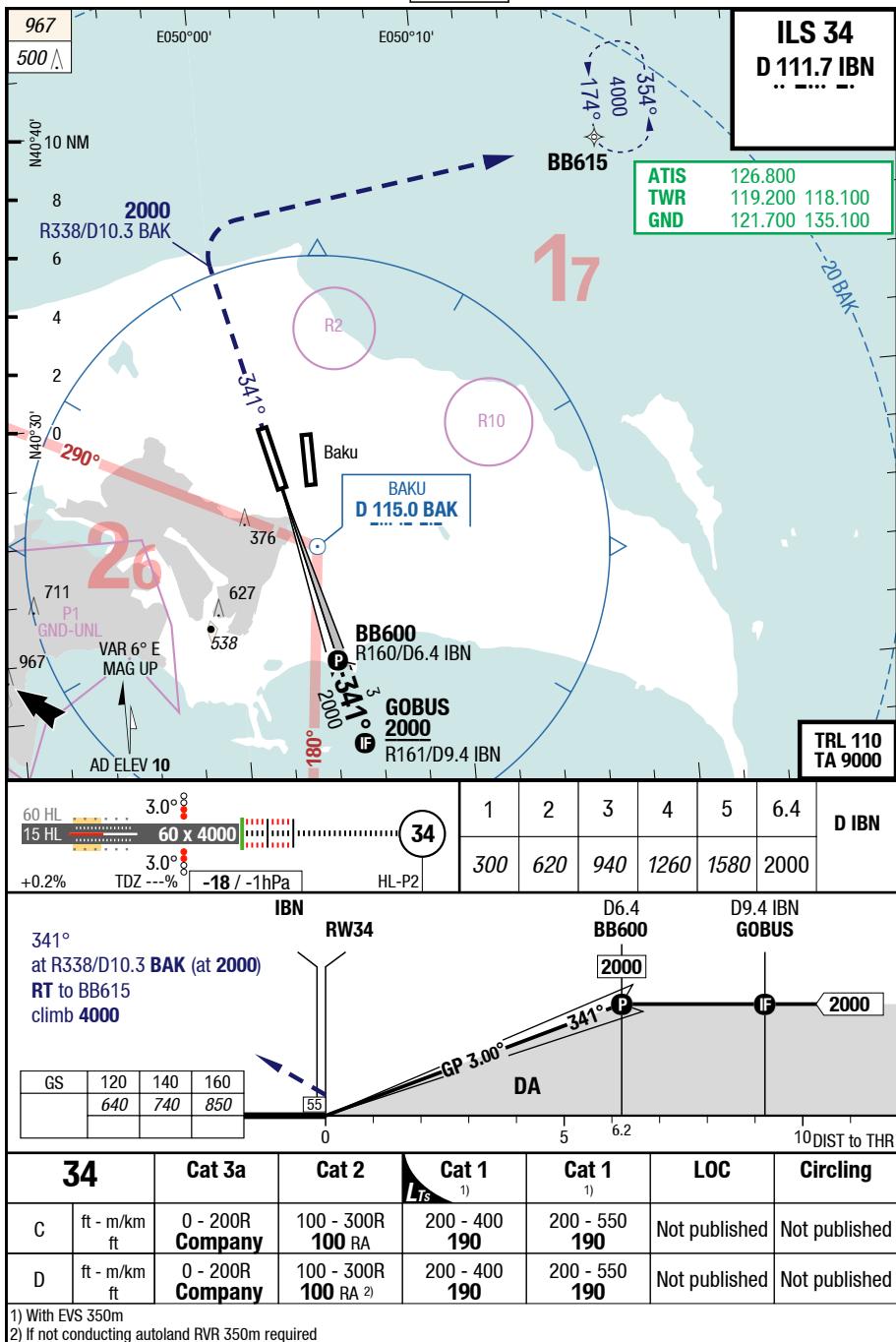


Changes: MIN, FAP

GYD-UBBB

7-30

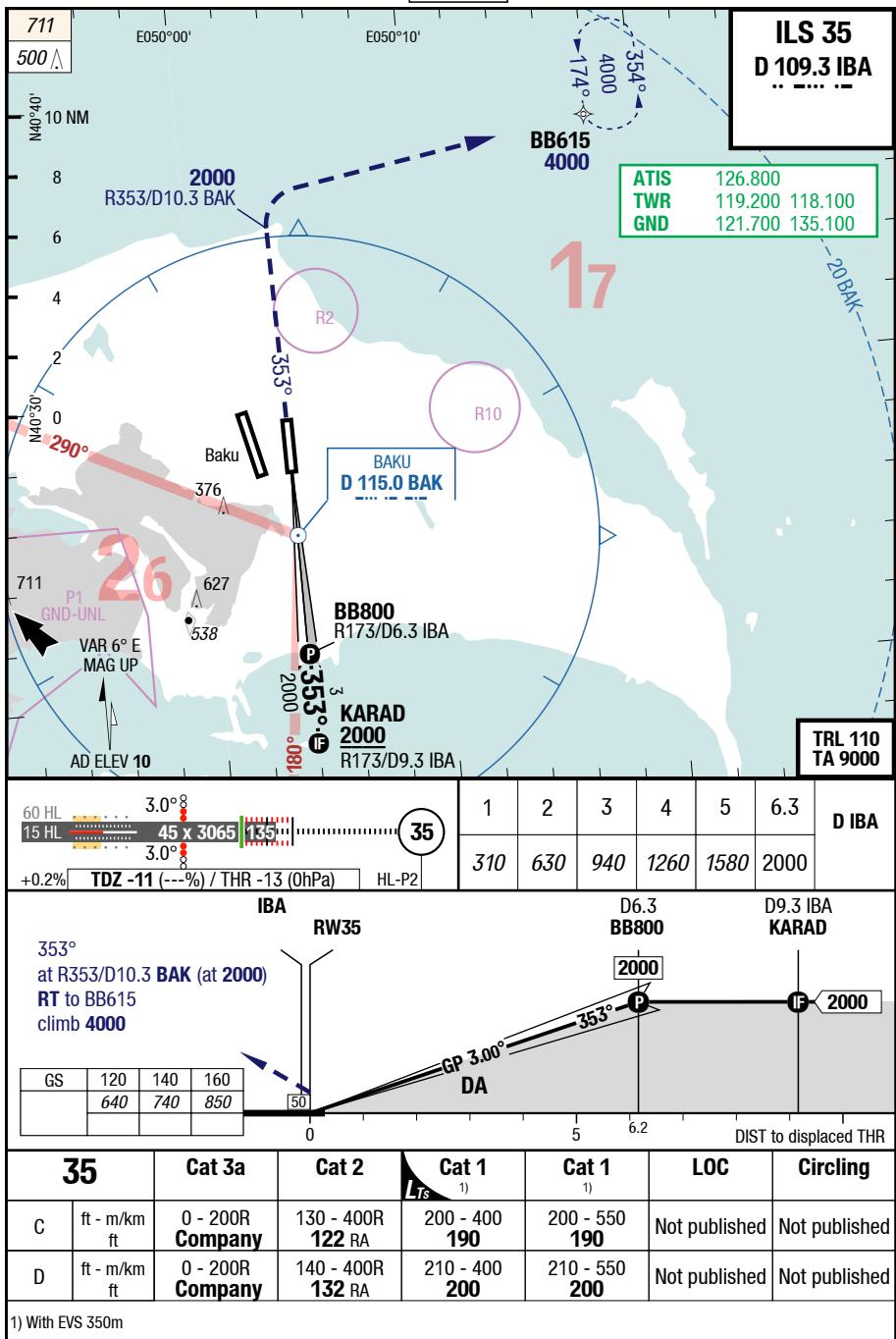
ILS 34



GYD-UBBB

7-40

ILS 35

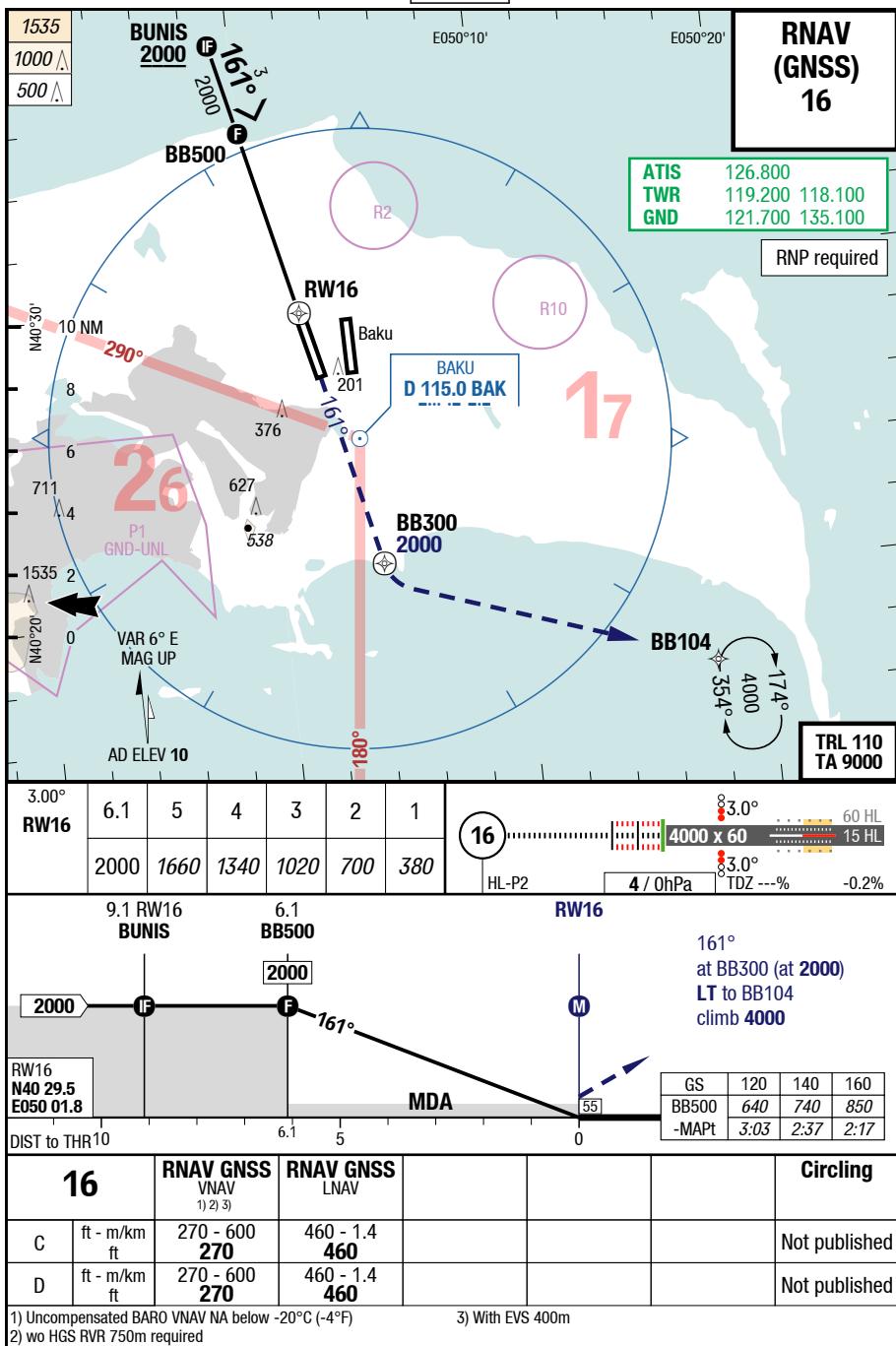


Changes: MIN, FAP

GYD-UBBB

7-50

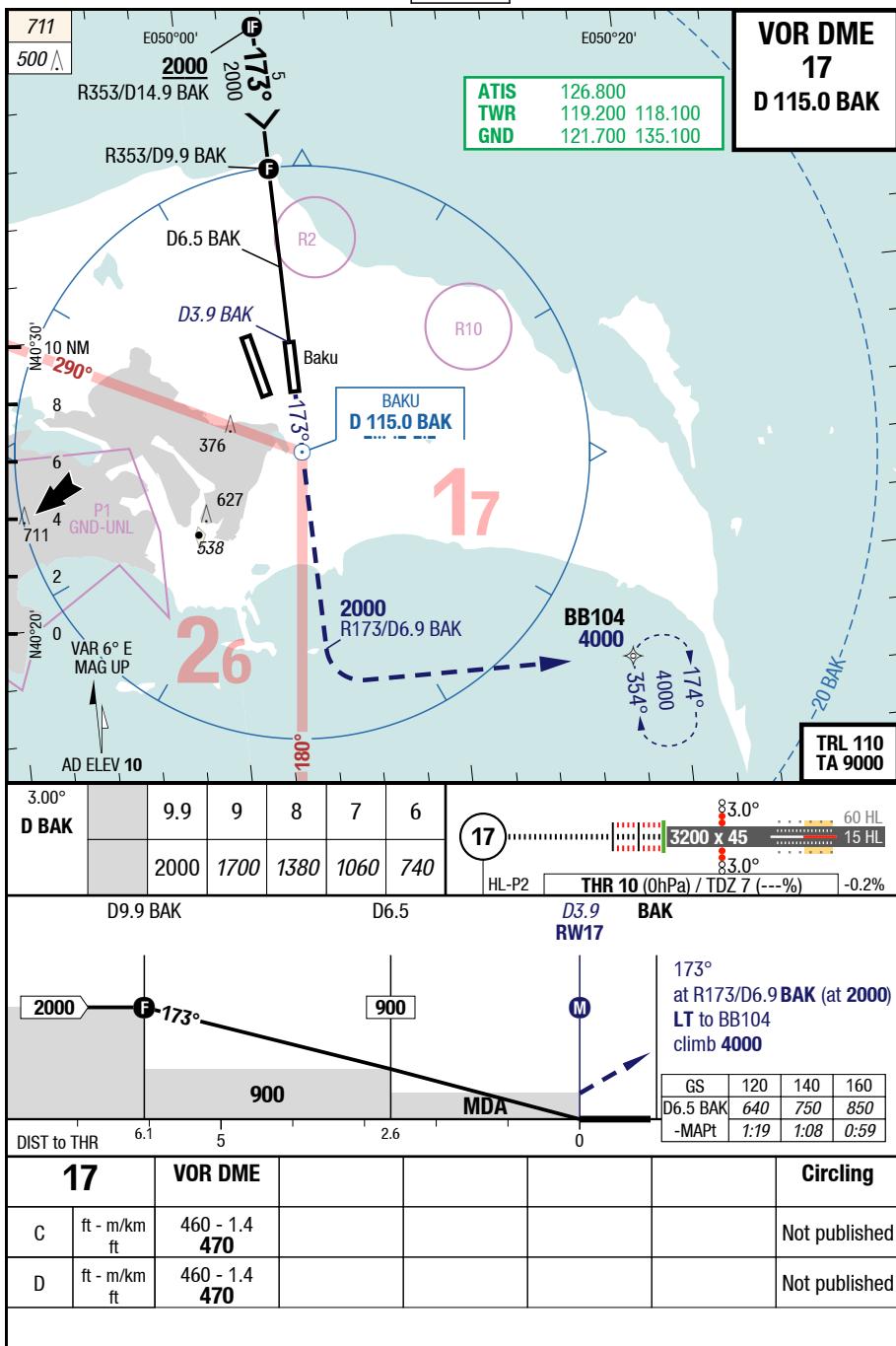
RNAV (GNSS) 16



GYD-UBBB

7-70

VOR DME 17



GYD-UBBB

7-80

VOR DME 35

