

AERODROME

ARP
N53°36'07"
E024°03'14"

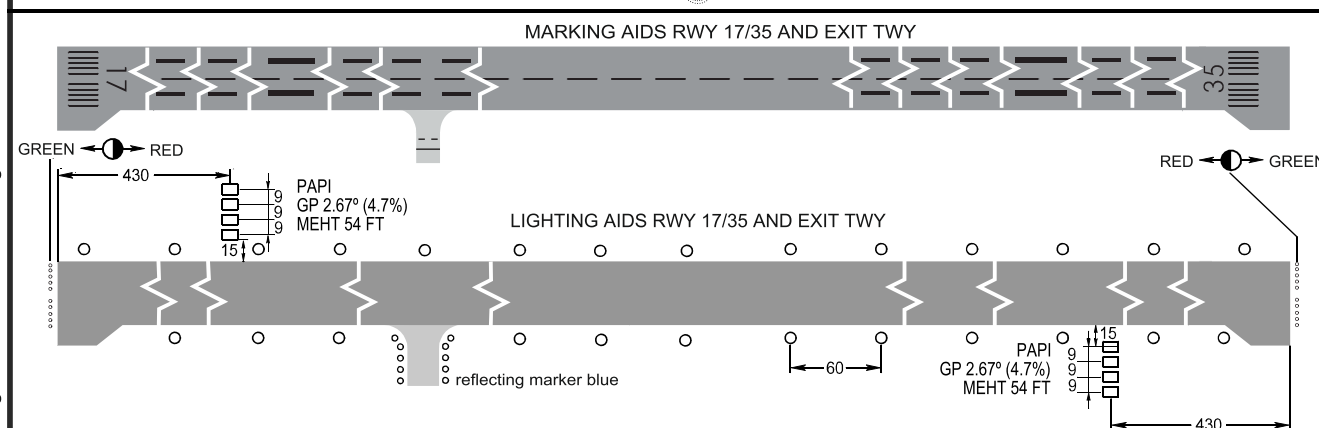
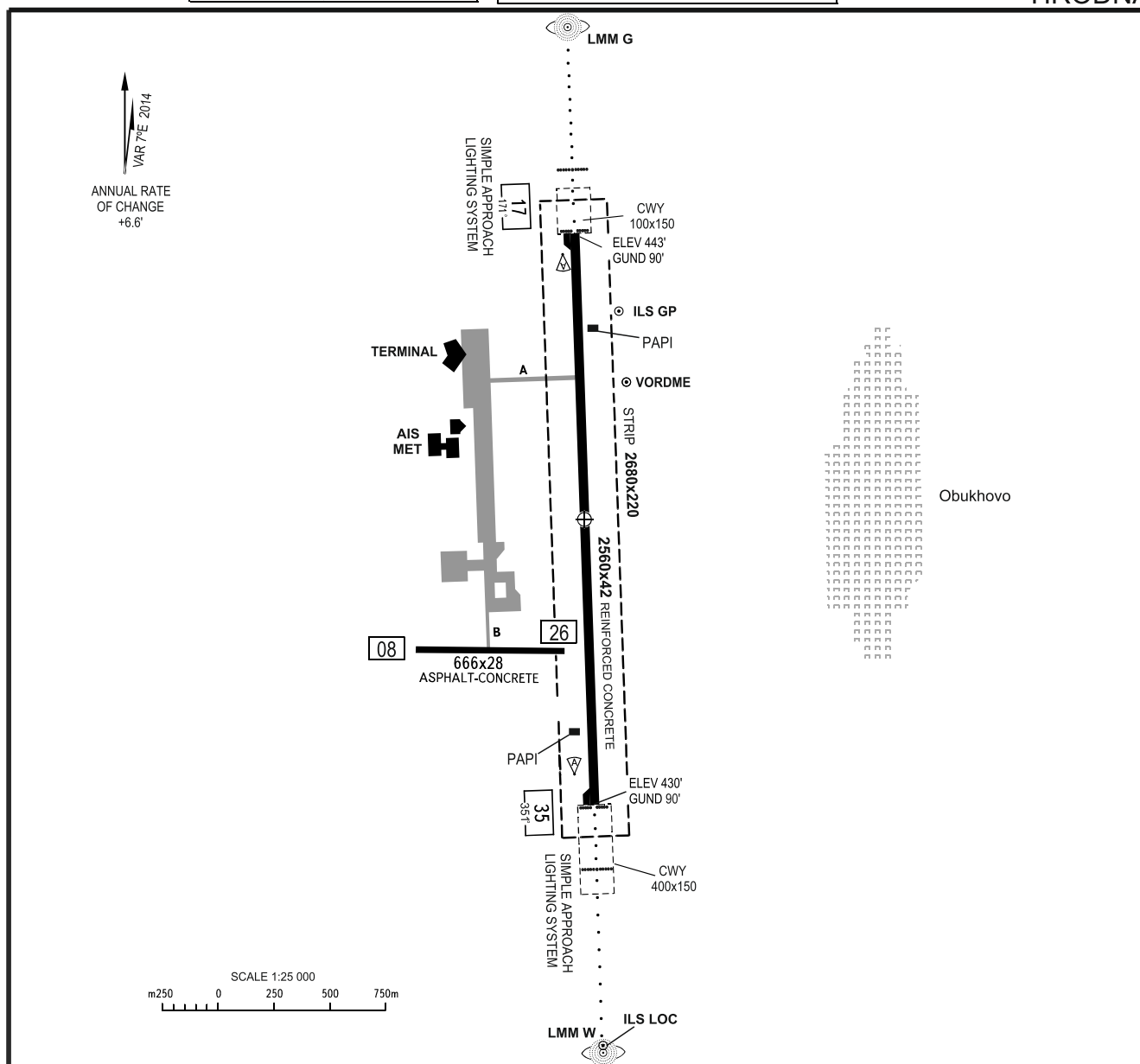
ELEV 443'
GUND 90'

TOWER
(Combined task Aerodrome
and Approach Control Services)

134.500

HRODNA, BELARUS

CHART - ICAO

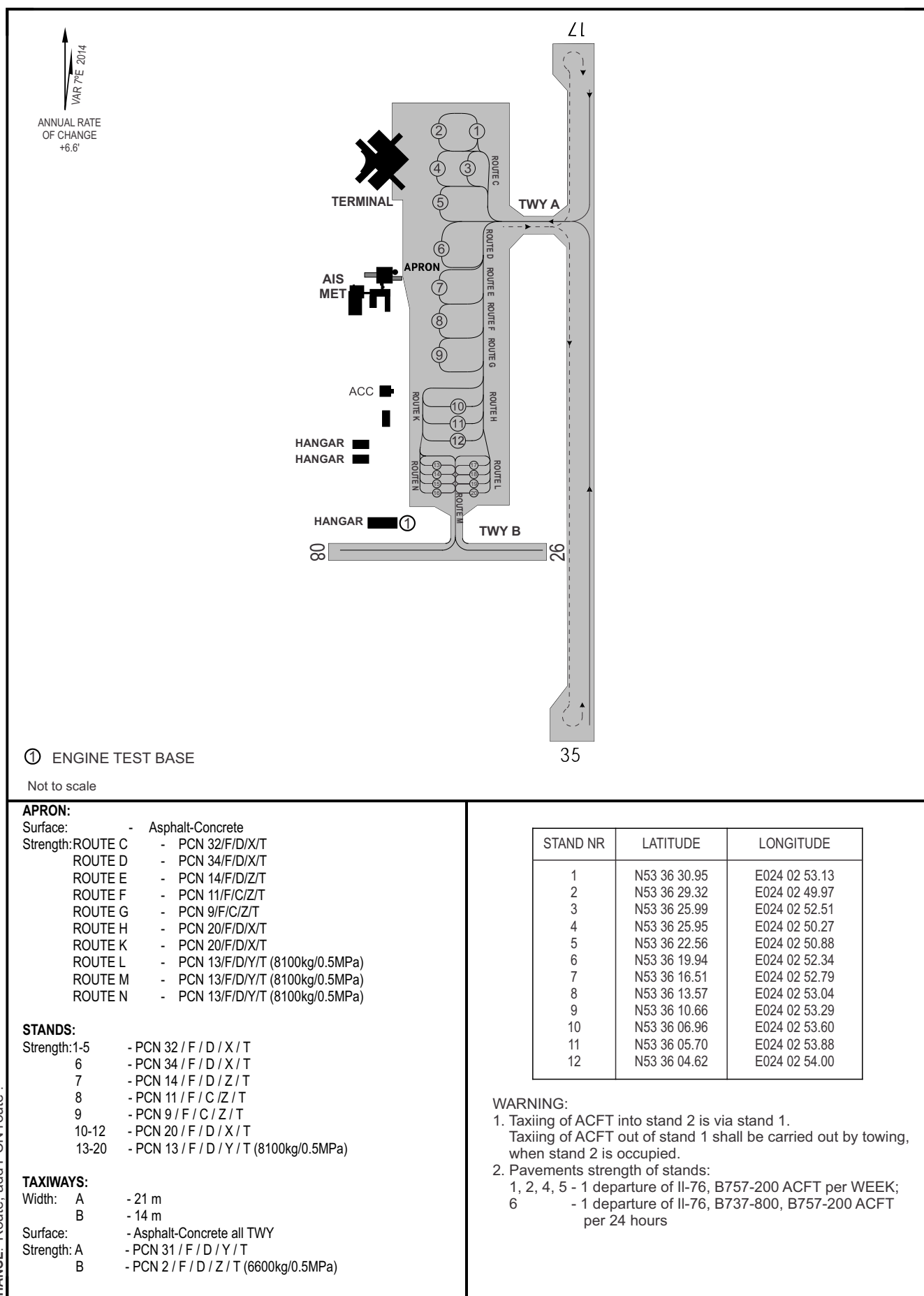
HRODNA

AERODROME LIGHTING	RWY	DIRECTION (TRUE)	THR	BEARING STRENGTH
Approach: RWY 17/35 LIL	17	178°09'29"	N53°36'48.46" E024°03'11.36"	PCN 24/R/C/X/T
Runway: Edge-white, last 600 m yellow	35	358°09'32"	N53°35'25.69" E024°03'15.84"	
Threshold: Green				

SCALE 1:5 000
m50 0 50 100 150m

ELEVATIONS IN FEET
DIMENSIONS IN METRES
BEARINGS ARE MAGNETIC

CHANGE: .Modified lighting aids RWY and marking aids RWY, add PAPI.

AERODROME GROUND MOVEMENT
AND AIRCRAFT PARKING CHART - ICAO
TOWER **134.500**
(Combined task Aerodrome
and Approach Control Services)
HRODNA, BELARUS**HRODNA**

CHANGE: Route, add PCN route.

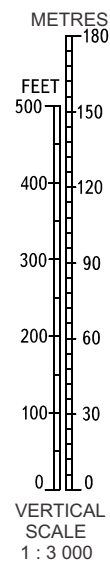
AERODROME OBSTACLE CHART - ICAO

TYPE **A** (OPERATING LIMITATIONS)

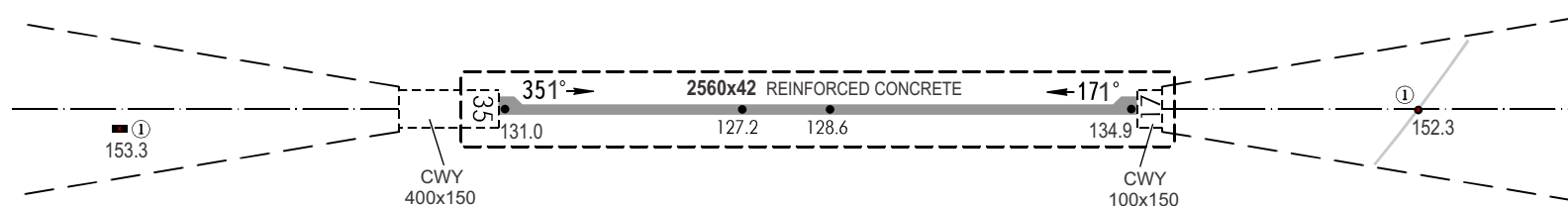
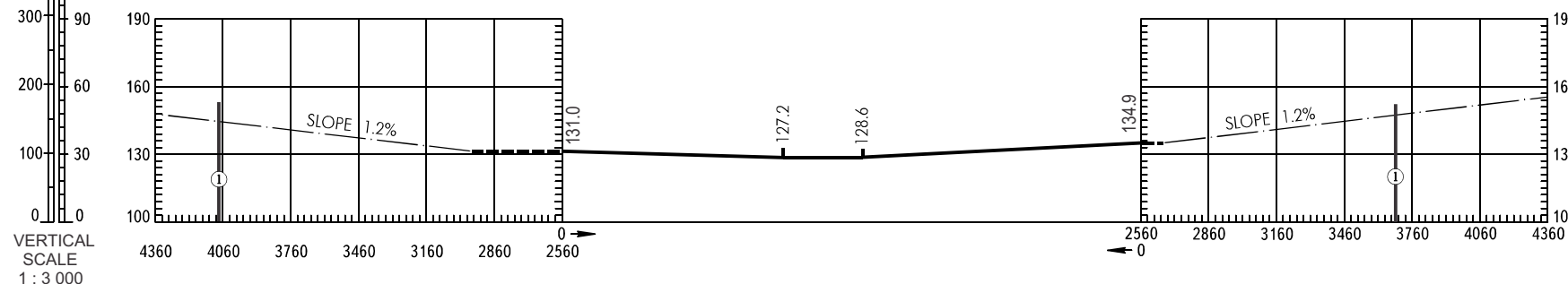
DIMENSIONS AND ELEVATIONS IN METRES

HRODNA, BELARUS**HRODNA****RWY 17/35**

MAGNETIC VARIATION 7°E

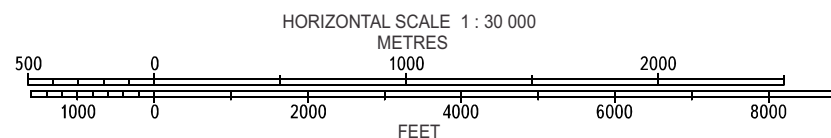


DECLARED DISTANCES			
RWY 17		RWY 35	
2560	TAKE-OFF RUN AVAILABLE	2560	
2960	TAKE-OFF DISTANCE AVAILABLE	2660	
2560	ACCELERATE STOP DISTANCE AVAILABLE	2560	
2560	LANDING DISTANCE AVAILABLE	2560	



LEGEND

IDENTIFICATION NUMBER	①
ROAD	—●—
BUILDING	■



CHANGE: VAR, tracks, modified OBST.

TMA HRODNA

ARRIVAL, DEPARTURE AND TRANSIT ROUTES



WARNING:
The ATC boundary coincides with the state border between:

- ❶ BELARUS and POLAND
- ❷ BELARUS and LITHUANIA

STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
6000'

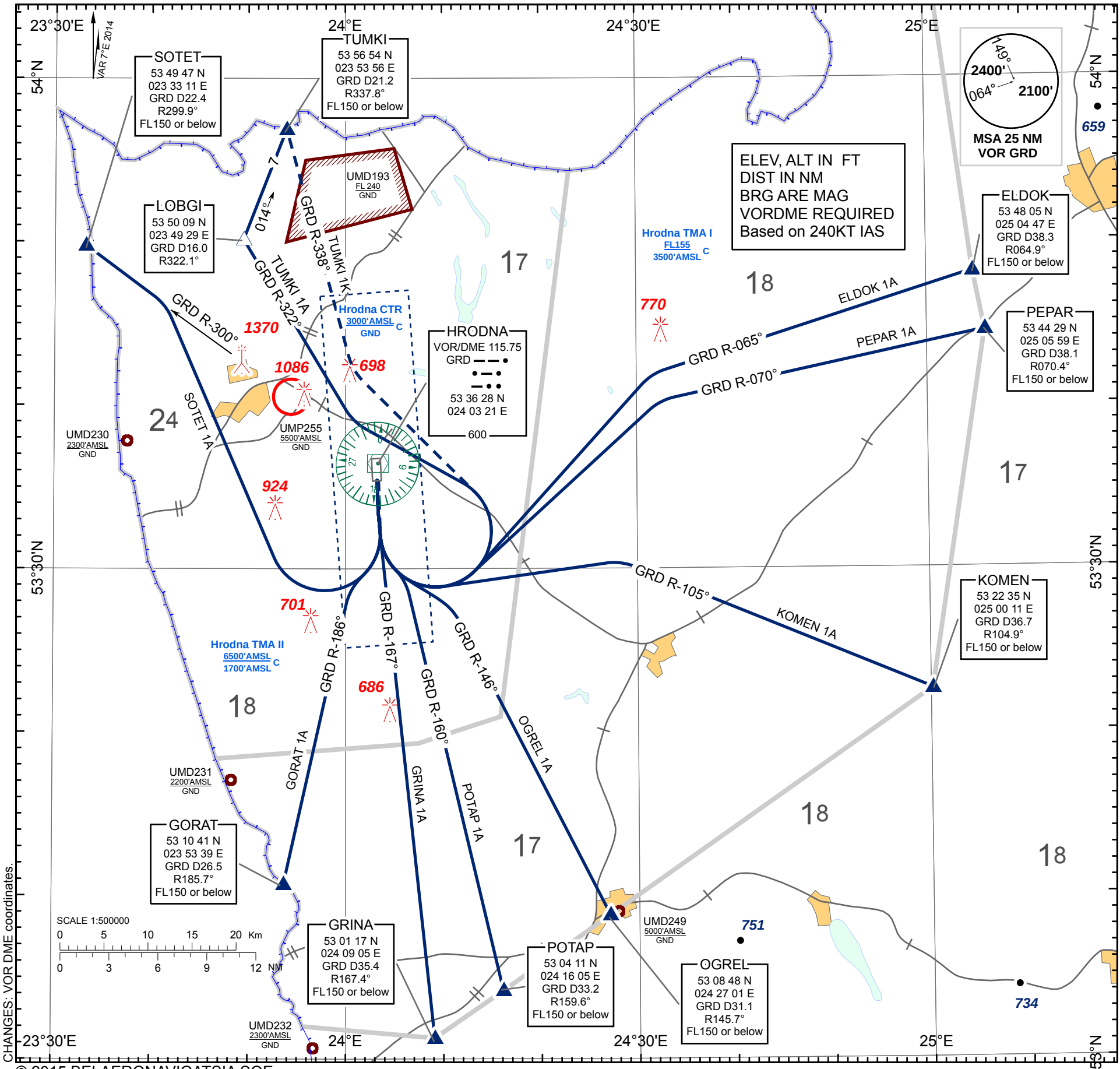
Alt set: - hPa (mm on req)
- QNH (QFE on req)

TWR 134.500
MET 135.025 (EN)
126.175 (RUS)

HRODNA
RWY 17

ELDOK 1A, GORAT 1A, GRINA 1A, KOMEN 1A,
OGREL 1A, PEPAR 1A, POTAP 1A, SOTET 1A,
TUMKI 1A, TUMKI 1K

STANDARD INSTRUMENT DEPARTURE (SID) ROUTES HRODNA RWY 17	
SID NAME	ROUTE
ELDOK 1A	ELDOK ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT 035° track to intercept GRD VOR R-065° and proceed to ELDOK.
GRINA 1A	GRINA ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT to intercept GRD VOR R-167° and proceed to GRINA.
GORAT 1A	GORAT ONE ALFA Climb straight ahead to 1100 (657) or above, turn RIGHT to intercept GRD VOR R-186° and proceed to GORAT.
KOMEN 1A	KOMEN ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT 075° track to intercept GRD VOR R-105° and proceed to KOMEN.
OGREL 1A	OGREL ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT 116° track to intercept GRD VOR R-146° and proceed to OGREL.
PEPAR 1A	PEPAR ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT 040° track to intercept GRD VOR R-070° and proceed to PEPAR.
POTAP 1A	POTAP ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT to intercept GRD VOR R-160° and proceed to POTAP.
SOTET 1A	SOTET ONE ALFA Climb straight ahead to 1100 (657) or above, turn RIGHT 330° track to intercept GRD VOR R-300° and proceed to SOTET.
TUMKI 1A	TUMKI ONE ALFA Climb straight ahead to 1100 (657) or above, turn LEFT 292° track to intercept GRD VOR R-322° and proceed to LOBGI, turn RIGHT track 014° and proceed to TUMKI.
TUMKI 1K	TUMKI ONE KILO Climb straight ahead to 1100 (657) or above, turn LEFT 308° track to intercept GRD VOR R-338° and proceed to TUMKI.



STANDARD DEPARTURE CHART
INSTRUMENT (SID) - ICAO

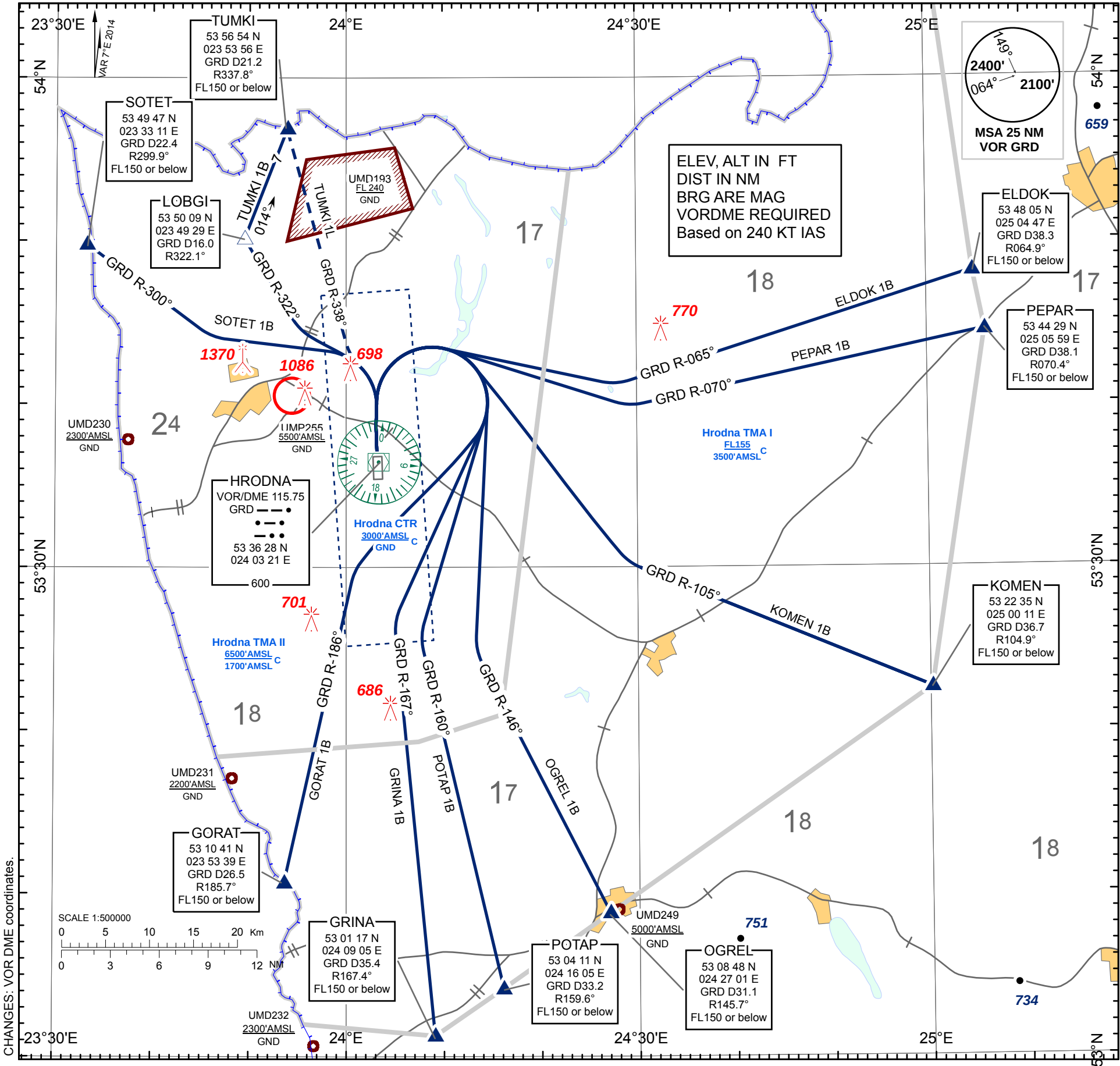
TRANSITION ALTITUDE
6000'

Alt set: - hPa (mm on req)
- QNH (QFE on req)

TWR 134.500
MET 135.025 (EN)
126.175 (RUS)

**HRODNA
RWY 35**

ELDOK 1B, GORAT 1B, GRINA 1B, KOMEN 1B
OGREL 1B, PEPAR 1B, POTAP 1B, SOTET 1B
TUMKI 1B, TUMKI 1L



STANDARD INSTRUMENT DEPARTURE (SID) ROUTES

HRODNA RWY 35

SID NAME	ROUTE
ELDOK 1B	ELDOK ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 095° track to intercept GRD VOR R-065° and proceed to ELDOK.
GRINA 1B	GRINA ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 197° track to intercept GRD VOR R-167° and proceed to GRINA.
GORAT 1B	GORAT ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 216° track to intercept GRD VOR R-186° AND proceed to GORAT.
KOMEN 1B	KOMEN ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 135° track to intercept GRD VOR R-105° and proceed to KOMEN.
OGREL 1B	OGREL ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 176° track to intercept GRD VOR R-146° and proceed to OGREL.
PEPAR 1B	PEPAR ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 100° track to intercept GRD VOR R-070° and proceed to PEPAR.
POTAP 1B	POTAP ONE BRAVO Climb straight ahead to 1100 (670) or above, turn RIGHT 190° track to intercept GRD VOR R-160° and proceed to POTAP.
SOTET 1B	SOTET ONE BRAVO Climb straight ahead to 1100 (670) or above, turn LEFT 270° track to intercept GRD VOR R-300° and proceed to SOTET.
TUMKI 1B	TUMKI ONE BRAVO Climb straight ahead to 1100 (670) or above, turn LEFT 292° track to intercept GRD VOR R-322° to LOBGI, turn RIGHT track 014° and proceed to TUMKI.
TUMKI 1L	TUMKI ONE LIMA Climb straight ahead to 1100 (670) or above, turn LEFT to intercept GRD VOR R-338° and proceed to TUMKI.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

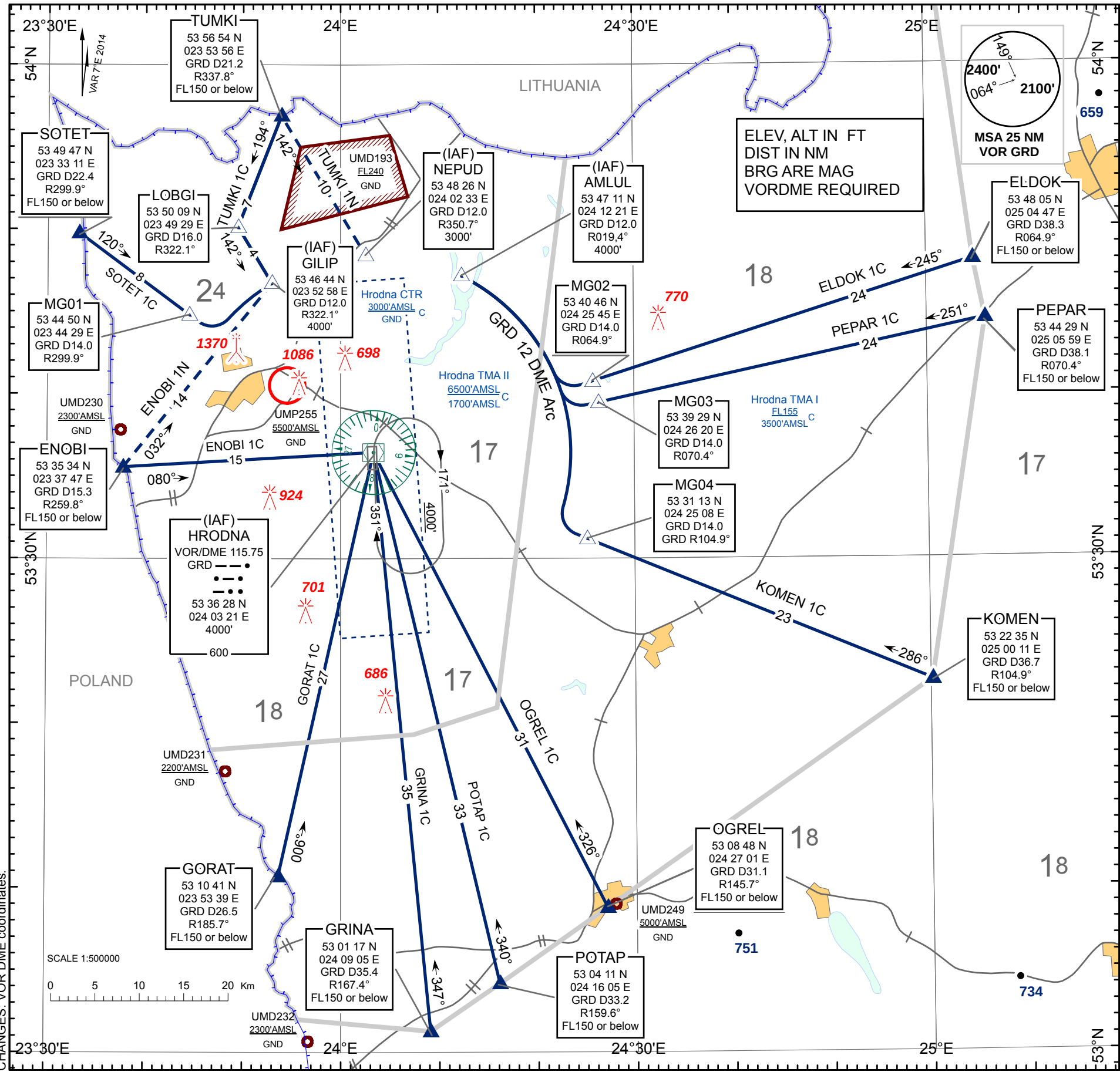
TRANSITION LEVEL: by ATC
TRANSITION ALTITUDE: 6000'

Alt set:- hPa (mm on req)
- QNH (QFE on req)

TWR 134.500
MET 135.025 (EN)
126.175 (RUS)

HRODNA
RWY 17

ELDOK 1C, ENOBI 1C, ENOBI 1N, GORAT 1C
GRINA 1C, KOMEN 1C, OGREL 1C, PEPAR 1C
POTAP 1C, SOTET 1C, TUMKI 1C, TUMKI 1N



CHANGES: VOR DME coordinates.

STANDARD ARRIVAL CHART INSTRUMENT (STAR) ROUTES HRODNA RWY 17	
STAR NAME	ROUTE
ELDOK 1C	ELDOK ONE CHARLIE After passing ELDOK intercept GRD VOR R-065° inbound to MG02. Turn RIGHT along GRD DME D12 arc to AMLUL (IAF). Cross AMLUL (IAF) at 4000 AMSL.
ENOBI 1C	ENOBI ONE CHARLIE After passing ENOBI intercept GRD VOR R-260° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
ENOBI 1N	ENOBI ONE NOVEMBER After passing ENOBI proceed on 032° track to GILIP (IAF). Cross GILIP (IAF) at 4000 AMSL.
GORAT 1C	GORAT ONE CHARLIE After passing GORAT intercept GRD VOR R-186° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
GRINA 1C	GRINA ONE CHARLIE After passing GRINA intercept GRD VOR R-167° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
KOMEN 1C	KOMEN ONE CHARLIE After passing KOMEN intercept GRD VOR R-105° inbound to MG04. Turn RIGHT along GRD DME D12 arc to AMLUL (IAF). Cross AMLUL (IAF) at 4000 AMSL.
OGREL 1C	OGREL ONE CHARLIE After passing OGREL intercept GRD VOR R-146° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
PEPAR 1C	PEPAR ONE CHARLIE After passing PEPAR intercept GRD VOR R-070° inbound to MG03. Turn RIGHT along GRD DME 12 arc to AMLUL (IAF). Cross AMLUL (IAF) at 4000 AMSL.
POTAP 1C	POTAP ONE CHARLIE After passing POTAP intercept GRD VOR R-160° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
SOTET 1C	SOTET ONE CHARLIE After passing SOTET intercept GRD VOR R-300° inbound to MG01. Turn LEFT along GRD DME D12 arc to GILIP (IAF). Cross GILIP (IAF) at 4000 AMSL.
TUMKI 1C	TUMKI ONE CHARLIE After passing TUMKI proceed on 194° track to LOBGI. Turn LEFT intercept GRD VOR R-322° inbound to GILIP (IAF). Cross GILIP (IAF) at 4000 AMSL.
TUMKI 1N	TUMKI ONE NOVEMBER After passing TUMKI proceed on 142° track to NEPUD (IAF). Cross NEPUD (IAF) at 3000 AMSL.

STANDARD ARRIVAL CHART
INSTRUMENT (STAR) - ICAO

TRANSITION LEVEL: by ATC
TRANSITION ALTITUDE: 6000

Alt set: - hPa (mm on req)
- QNH (QFE on req)

TWR 134.500
MET 135.025 (EN)
126.175 (RUS)

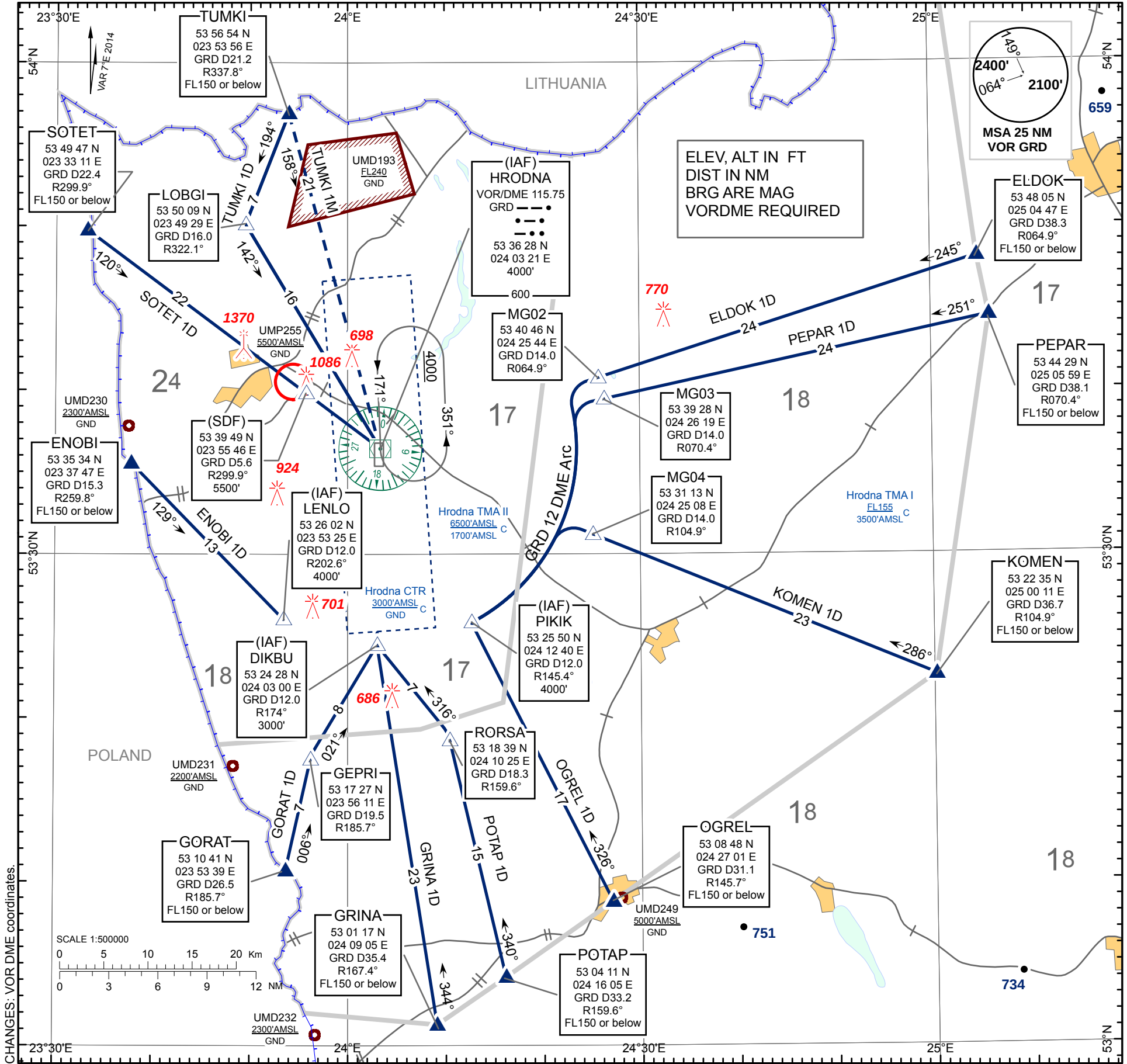
HRODNA
RWY 35

ELDOK 1D, ENOBI 1D, GORAT 1D, GRINA 1D
KOMEN 1D, OGREL 1D, PEPAR 1D, POTAP 1D
SOTET 1D, TUMKI 1D, TUMKI 1M

STANDARD ARRIVAL CHART INSTRUMENT (STAR) ROUTES

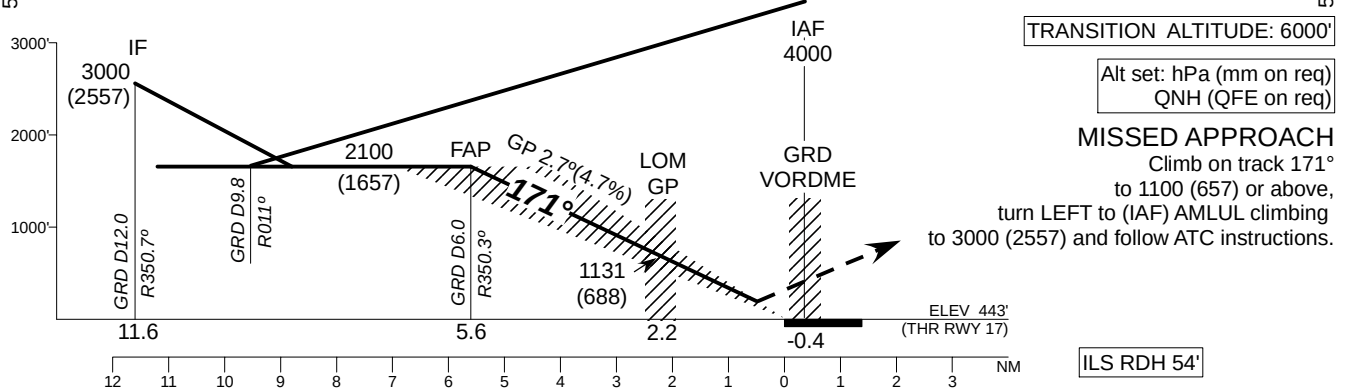
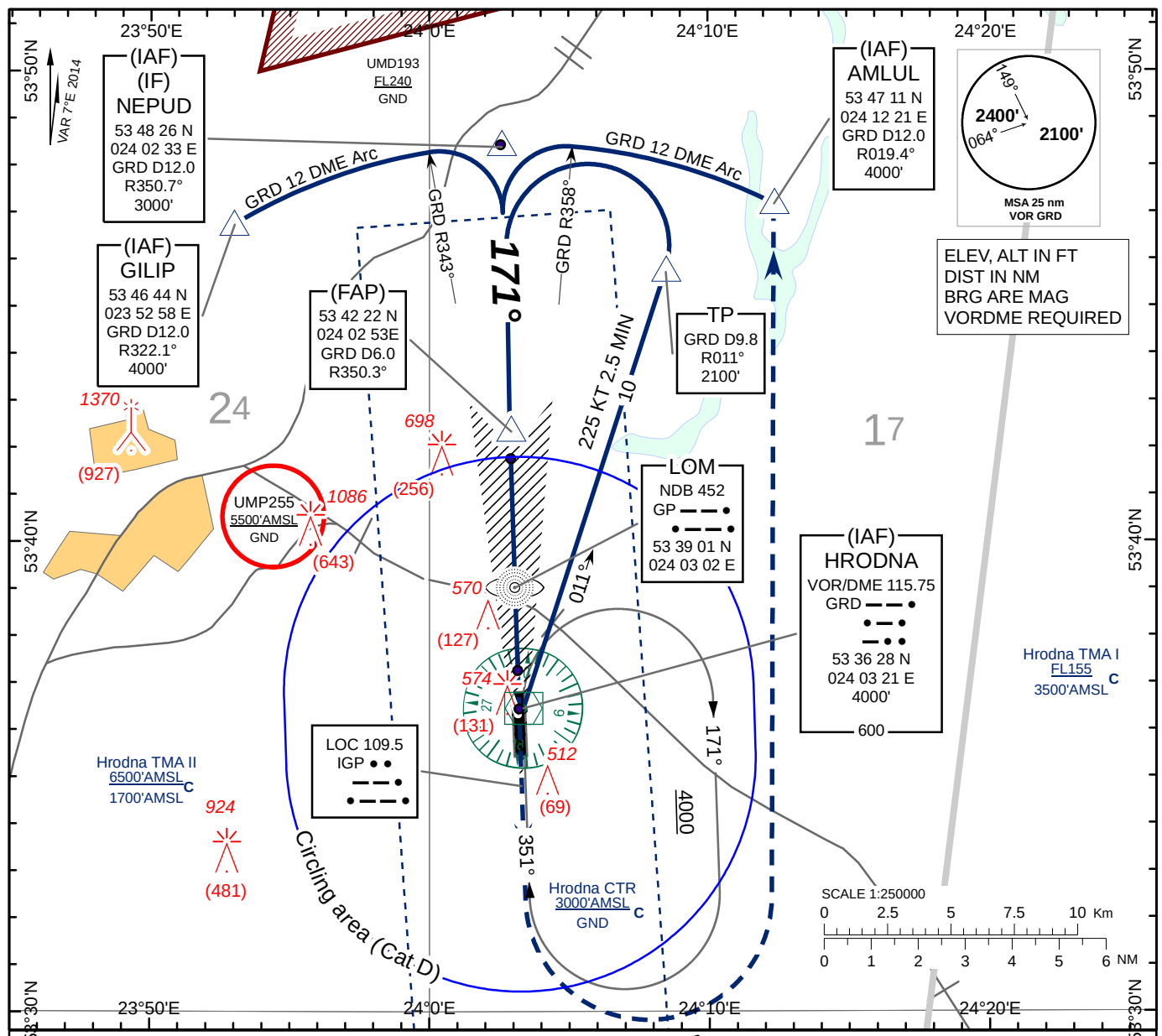
HRODNA RWY 35

STAR NAME	ROUTE
ELDOK 1D	ELDOK ONE DELTA After passing ELDOK intercept GRD VOR R-065° inbound to MG02, turn LEFT along GRD DME D12 arc to PIKIK (IAF). Cross PIKIK (IAF) at 4000 AMSL.
ENOBI 1D	ENOBI ONE DELTA After passing ENOBI proceed on 129° track to LENLO (IAF). Cross LENLO (IAF) at 4000 AMSL.
GORAT 1D	GORAT ONE DELTA After passing GORAT proceed on 006° track to GEPRI, turn RIGHT and proceed on 021° track to DIKBU (IAF). Cross DIKBU (IAF) at 3000 AMSL.
GRINA 1D	GRINA ONE DELTA After passing GRINA proceed on 344° track to DIKBU (IAF). Cross DIKBU (IAF) at 3000 AMSL.
KOMEN 1D	KOMEN ONE DELTA After passing KOMEN intercept GRD VOR R-105° inbound to MG04, turn LEFT along GRD DME D12 arc to PIKIK (IAF). Cross PIKIK (IAF) at 4000 AMSL.
OGREL 1D	OGREL ONE DELTA After passing OGREL intercept GRD VOR R-146° inbound to PIKIK (IAF). Cross PIKIK (IAF) at 4000 AMSL.
PEPAR 1D	PEPAR ONE DELTA After passing PEPAR intercept GRD VOR R-070° inbound to MG03, turn LEFT along GRD DME D12 arc to PIKIK (IAF). Cross PIKIK (IAF) at 4000 AMSL.
POTAP 1D	POTAP ONE DELTA After passing POTAP intercept GRD VOR R-160° inbound to RORSA, turn LEFT and proceed on 316° track to DIKBU (IAF). Cross DIKBU (IAF) at 3000 AMSL.
SOTET 1D	SOTET ONE DELTA After passing SOTET intercept GRD VOR R-300° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
TUMKI 1D	TUMKI ONE DELTA After passing TUMKI proceed on 194° track to LOBGI, turn LEFT to intercept GRD VOR R-322° inbound GRD (IAF). Cross GRD (IAF) at 4000 AMSL.
TUMKI 1M	TUMKI ONE MIKE After passing TUMKI intercept GRD VOR R-338° inbound to GRD (IAF). Cross GRD (IAF) at 4000 AMSL.

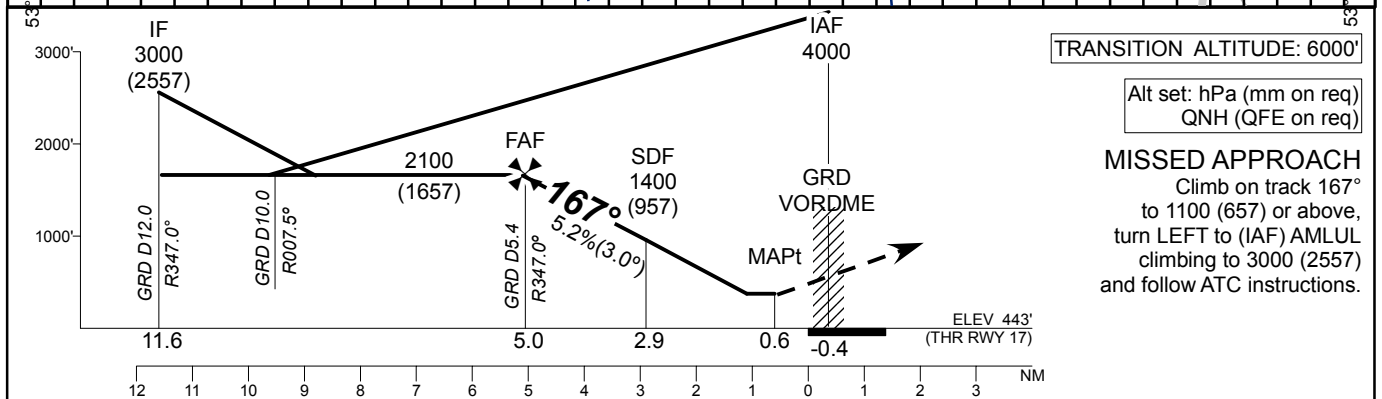
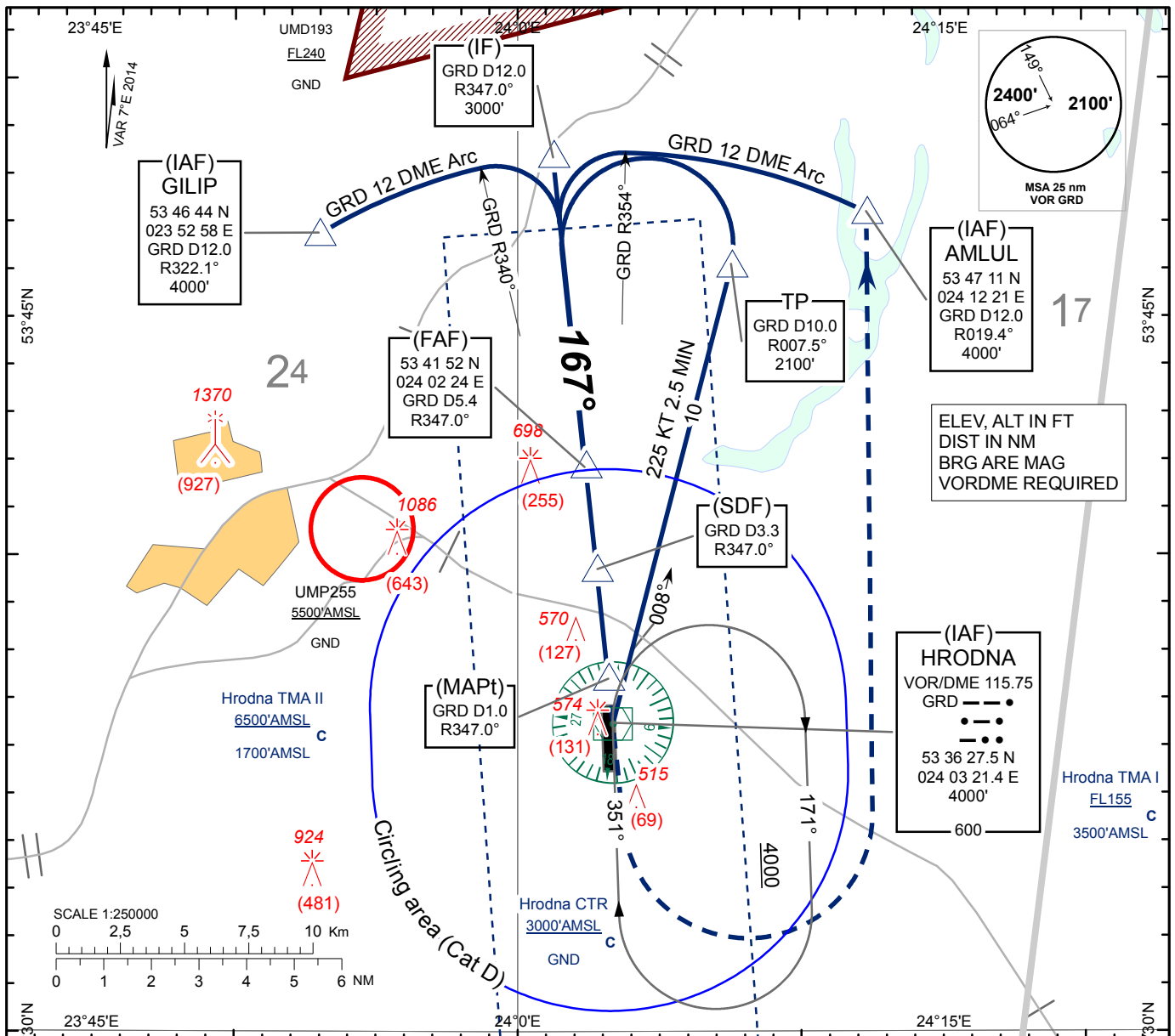


**INSTRUMENT
APPROACH
CHART - ICAO**
AERODROME ELEV 443'
 HEIGHTS RELATED TO
 THR RWY 17 - ELEV 443'

TWR	134.500
MET	135.025 EN 126.175 RUS

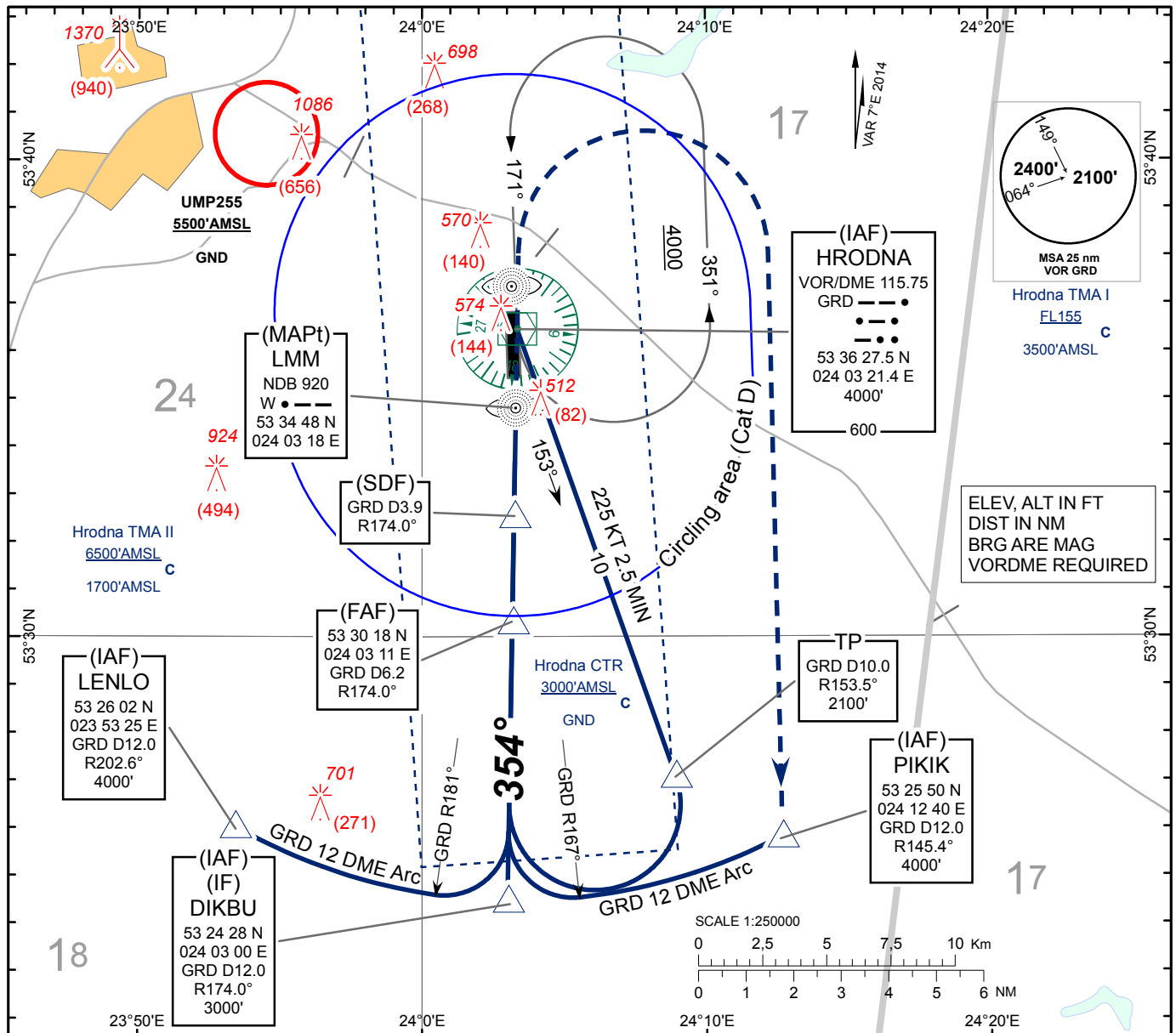
**HRODNA
ILS
RWY 17**


Aircraft Category		A	B	C	D								
Straight-in Approach OCA(H)	ILS	611(168)	623(180)	632(189)	642(199)	GRD	7	6	5	4	3	2	1
						DIST THR	6.6	5.6	4.6	3.6	2.6	1.6	0.6
						ALTITUDE	2100	2100	1770	1490	1200	920	640
Circle - to - land		900(450)	940(500)	1040(600)	1140(690)	HEIGHT	(1657)	(1657)	(1327)	(1047)	(757)	(477)	(197)
Timing not authorized for defining the MAPt													
		GS	Kts	80	100	120	140	160	180	200			
		Desc. Rate(4.7%)	ft/min	380	470	570	660	760	850	950			

INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 443'
HEIGHTS RELATED TO
THR RWY 17 - ELEV 443'TWR 134.500
MET 135.025 EN
126.175 RUSHRODNA
VOR
RWY17

Aircraft Category		A	B	C	D	GRD	6	5	4	3	2	1
Straight-in Approach	VOR/DME	820(380)				DIST THR	5.6	4.6	3.6	2.6	1.6	0.6
	VOR					ALTITUDE	2100	1960	1650	1330	1010	700
Circle - to - land		900(450)	940(500)	1140(690)	1140(690)	HEIGHT	(1657)	(1517)	(1207)	(887)	(567)	(257)
Timing not authorized for defining the MAPt												
GS		Kts	80	100	120	140	160	180				
Desc.Rate(5.2%)		ft/min	421	527	632	737	843	948				
MAPt(4.4 NM)		min:sec	03:22	02:42	02:15	01:56	01:41	01:30				

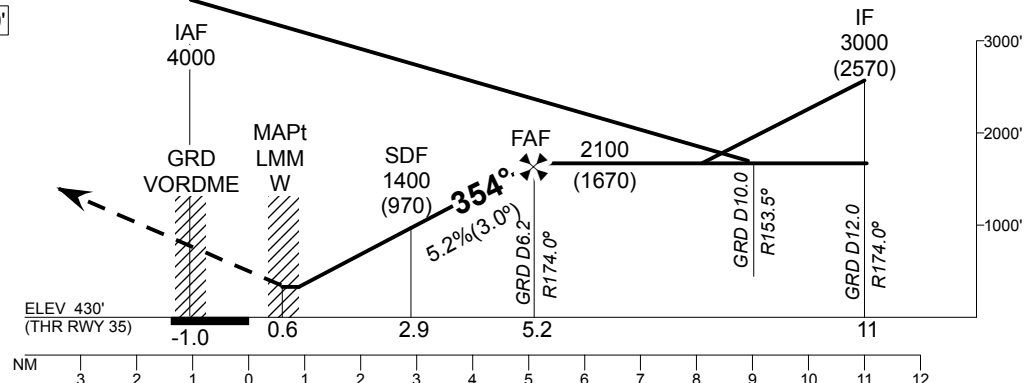
Changes: Add UMP255.

INSTRUMENT
APPROACH
CHART - ICAOAERODROME ELEV 443'
HEIGHTS RELATED TO
THR RWY 35 - ELEV 430'TWR 134.500
MET 135.025 EN
126.175 RUSHRODNA
VOR
RWY 35

TRANSITION ALTITUDE: 6000'

Alt set: hPa (mm on req)
QNH (QFE on req)

MISSED APPROACH

Climb on track 354°
to 1100' (670') or above,
turn RIGHT to (IAF) PIKIK
climbing to 3000' (2570')
and follow ATC instructions.

Aircraft Category		A	B	C	D	GRD	7	6	5	4	3	2
Straight-in Approach OCA(H)	VOR/DME	760(330)				DIST THR	6	5	4	3	2	1
	VOR					ALTITUDE	2100	2050	1730	1420	1100	790
Circle - to - land		900(450)	940(500)	1140(690)	1140(690)	HEIGHT	(1670)	(1620)	(1300)	990	(670)	(360)
Timing not authorized for defining the MAPt												
		GS	Kts	80	100	120	140	160	180			
		Desc.Rate(5.2%)	ft/min	420	530	630	740	840	950			
		MAPt(4.5 NM)	min:sec	03:22	02:42	02:15	01:56	01:41	01:30			

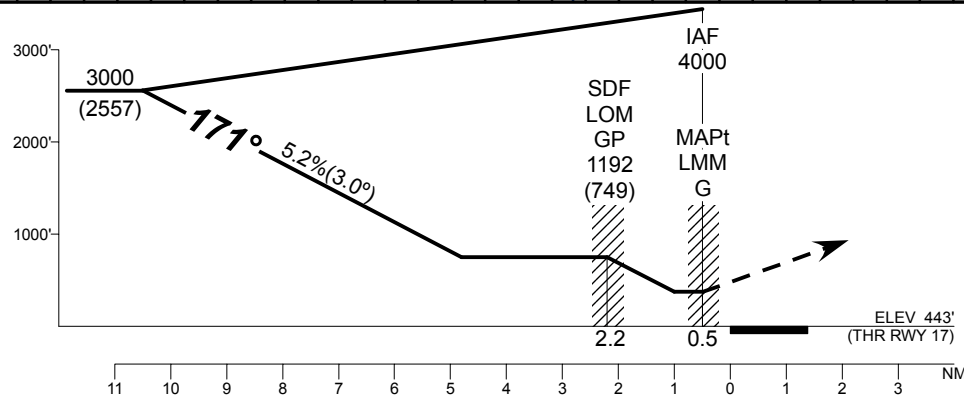
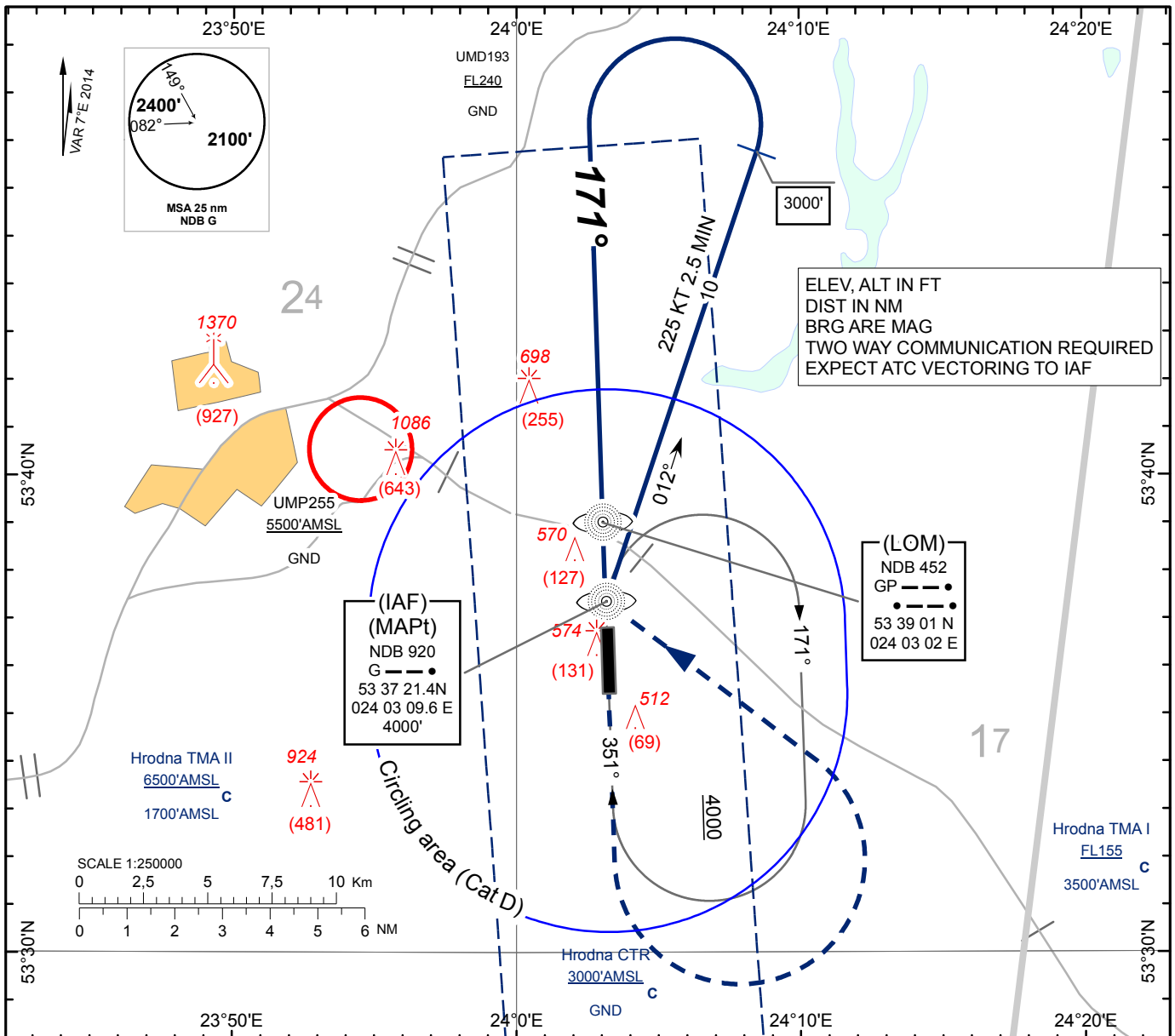
Changes: Add UMP255.

**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 443'
HEIGHTS RELATED TO
THR RWY 17 - ELEV 443'

TWR 134.500
MET 135.025 EN
126.175 RUS

**HRODNA
NDB
RWY17**



TRANSITION ALTITUDE: 6000'

Alt set: hPa (mm on req)
QNH (QFE on req)

MISSED APPROACH

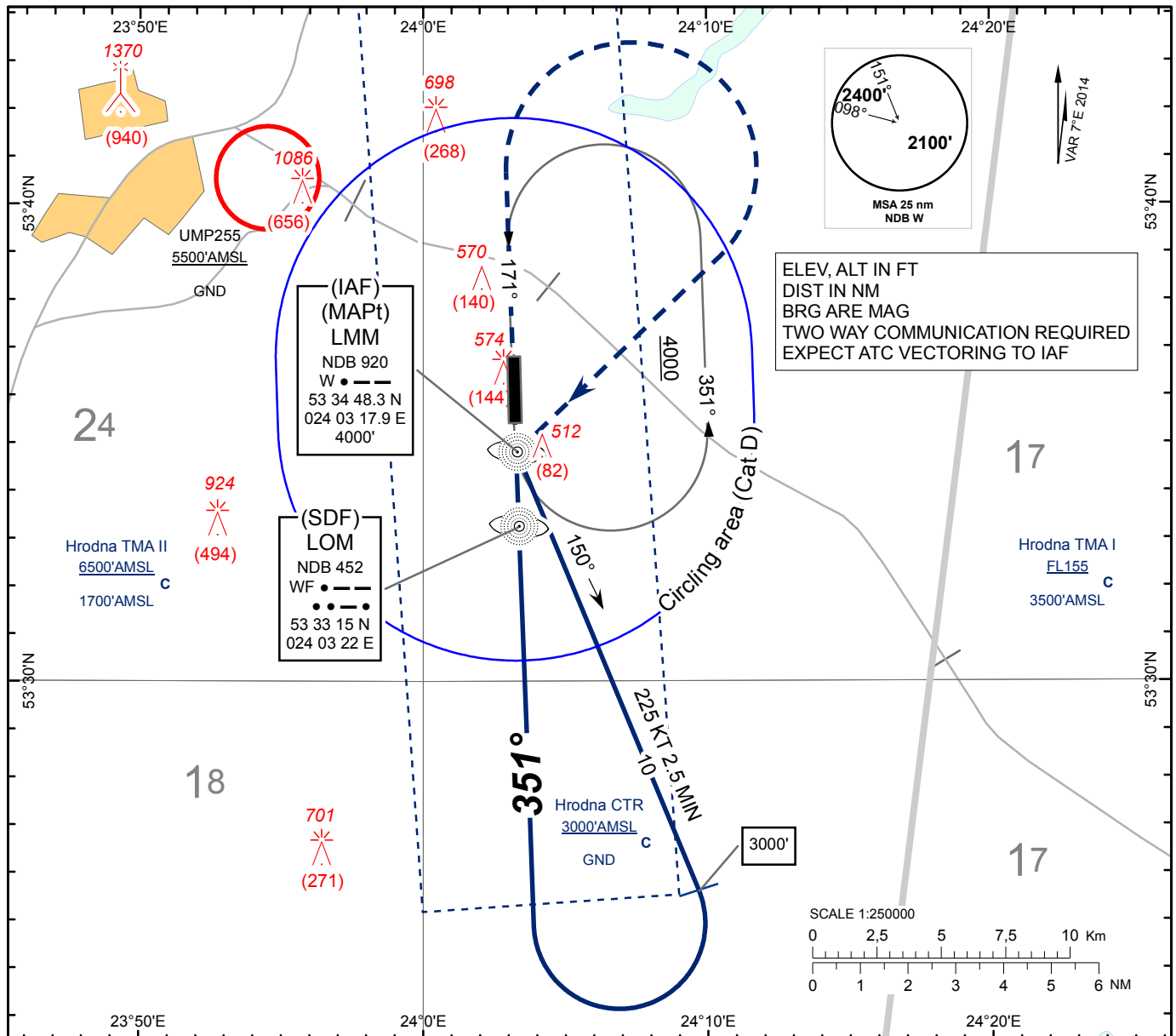
Climb on track 171°
to 1500 (1057) or above,
turn LEFT to (IAF) LMM "G"
climbing to 3000 (2557)
and follow ATC instructions.

Changes: Add UMP255

Aircraft Category		A	B	C	D
Straight-in Approach OCA(H)	NDB G no FAF	820(380)			
Circle - to - land		900(450)	940(500)	1140(690)	1140(690)

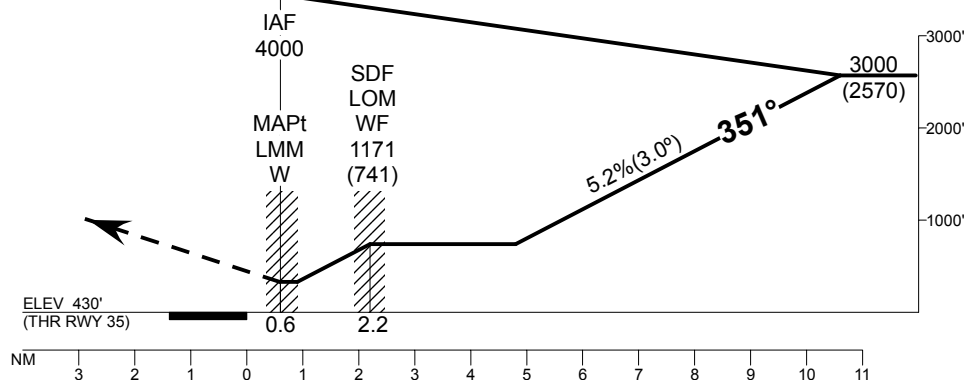
**INSTRUMENT
APPROACH
CHART - ICAO**
AERODROME ELEV 443'
 HEIGHTS RELATED TO
 THR RWY 35 - ELEV 430'

TWR	134.500
MET	135.025 EN 126.175 RUS

**HRODNA
NDB
RWY 35**

TRANSITION ALTITUDE: 6000'

 Alt set: hPa (mm on req)
 QNH (QFE on req)

MISSED APPROACH

 Climb on track 351°
 to 1500 (1070) or above,
 turn RIGHT to (IAF) LMM "W"
 climbing to 3000 (2570)
 and follow ATC instructions.


Aircraft Category		A	B	C	D
Straight-in Approach OCA(H)	NDB W no FAF	760(330)			
Circle - to - land		900(450)	940(500)	1140(690)	1140(690)

Changes: Add UMP255