LHPR - GYŐR/PÉR

LHPR AD 2.1 AERODROME LOCATION INDICATOR AND NAME

LHPR GYŐR/PÉR

LHPR AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRIVE DATA

1	ARP coordinates and site at AD	473738N 0174830E RWY and TWY-A intersection
2	Direction and distance from (city)	15 KM 120 DEG from the centre of Gyor
3	Elevation/Reference temperature	426 FT / 26.2° C
4	Geoid undulation	145 FT
5	MAG VAR/ Annual change	4.85° E (2020) / 0.1° increasing
6	AD Administration, address, telephone, telefax, AFS	Győr/Pér Repülőtér Kft. Post:H-9099 Pér Repülőtér Phone:(+36) 96-559-200 Fax:(+36) 96-559-202 AFS:LHPRZPZX Email:info@lhpr.hu URL:http://www.lhpr.hu SITA:QGYAPXH
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Nil

LHPR AD 2.3 OPERATIONAL HOURS

1	AD Administration	0700 - 1700 (0600-1600)
2	Customs and immigration	From/to non EU and/or non Schengen Agreement`s countries preliminary permission required 24 hours before planned flight.
3	Health and sanitation	Nil
4	AIS Briefing Office	Nil
5	ATS Reporting Office (ARO)	Nil
6	MET Briefing Office	Nil
7	ATS	As AD Administration
8	Fuelling	As AD Administration
9	Handling	As AD Administration
10	Security	H24
11	De-icing	As AD Administration
12	Remarks	Beyond operational hours: on request

LHPR AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Fork-lift trailer
2	Fuel/oil types	AVGAS 100LL petrol, JET A1 AeroShell W100, 15W50, Total Aero D100, DM 15W50.
3	Fuelling facilities/capacity	2 Kerosene trucks 20.000 litres and 6.000 litres.
4	De-icing facilities	Available on PRKG stands
5	Hangar space for visiting aircraft	On request
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

LHPR AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	Nearest 2 KM from AD
3	Transportation	Taxi, local public bus, airport minibus, rent-a-car
4	Medical facilities	First aid at AD, hospital in the city
5	Bank and Post Office	In the city, credit card acceptance at AD
6	Tourist Office	Nil
7	Remarks	Nil

LHPR AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Weekdays in operational hours: CAT V Weekends and public holidays in operational hours: CAT II
2	Rescue equipment	A5 Fire fighting vehicle type: Renault Kerax Capacity: 6000l of water, 900l of foaming agent, 250kgs of fire-extinguisher.
3	Capability for removal of disabled aircraft	Recovery dollies are available
4	Remarks	Nil

LHPR AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	2 snow ploughs, 1 snow cutter blower, 1 carbamid spreader
2	Clearance priorities	RWY, TWY A, TWY A1, TWY A2, Apron 1, Apron 3, TWY B, Apron 2
3	Remarks	Nil

LHPR AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Apron	Surface	Strength	
		APRON1	CONC	PCN 42/R/C/W/T	
		APRON2	CONC	Nil	
		APRON3	CONC	PCN 61/R/C/W/T	
2	Taxiway width, surface and strength	Taxiway	Width	Surface	Strength
		A	15 M	ASPH	50/F/C/W/T
		A1	7.5 M	ASPH	44/F/C/W/U
		A2	10.5 M	ASPH	44/F/C/W/U
		B	7.5 M	ASPH	Nil
3	Altimeter checkpoint location and elevation	Location: At RWY THRs Elevation: THR RWY 11 126.5 M THR RWY 29 129.75 M			
4	VOR checkpoints	Nil			
5	INS checkpoints	Nil			
6	Remarks	Nil			

LHPR AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	TWY centre lines, aircraft stand taxi lanes, aircraft stand markings		
2	RWY and TWY markings and LGT		Markings	Lighting
		RWY	Designator, THR, centre line, side stripe, aiming point, TDZ, turn pad	THR, end, edge, SWY, turn pad edge
		TWY	Centre line, RWY holding position, intermediate holding position, edge marker, sign boards	Edge
3	Stop bars	Nil		
4	Remarks	Nil		

LHPR AD 2.10 AERODROME OBSTACLES

Data for Area 2, 3 and 4 *See GEN 3.1*

LHPR AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Hungarian Meteorological Service (HMS) Unit of Aviation Meteorology
2	Hours of service	H24
3	Office responsible for TAF preparation Periods of validity	Hungarian Meteorological Service (HMS) Unit of Aviation Meteorology Periods of validity: 9 HR Interval of issuance: 3 HRs in operational hours of aerodrome
4	Type of landing forecast Interval of issuance	TAF CODE, Interval of issuance: half hourly in operational hours of aerodrome
5	Briefing/consultation provided	Consultation via phone, fax or telex. *See GEN 3.5*
6	Flight documentation Language(s) used	Charts, abbreviated plain language text Hungarian, English
7	Charts and other information available for briefing or consultation	Charts, aerodrome reports and forecasts in EUR region. Area forecasts, MET. observations and warnings in the Budapest FIR
8	Supplementary equipment available for providing information	Telephone/Telefax; self-briefing via aviation.met.hu at airport
9	ATS Units provided with information	AFIS, Budapest FIC (on request)
10	Additional information	Nil

LHPR AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
11	119.45° GEO	2030 x 30	50/F/C/W/T ASPH	473758.34N 0174735.63E 473726.02N 0174900.30E 44 M	THR 126.5 M
29	299.47° GEO	2030 x 30	50/F/C/W/T ASPH	473726.02N 0174900.30E 473758.34N 0174735.63E 44.3 M	THR 129.75 M TDZ 129.31 M

Designations RWY NR	Slope of RWY - SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	RESA dimensions (M) surface	Location of arresting system	OFZ	Remarks
1	7	8	9	10	11	12	13	14
11	+0.165%	100 x 30	Nil	2350 x 300	90 x 60 GRASS	Nil	Nil	Nil
29	-0.165%	100 x 30	Nil	2350 x 300	90 x 60 GRASS	Nil	Nil	Nil

LHPR AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
11	2030	2030	2130	2030	Nil
29	2030	2030	2130	2030	

LHPR AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
11	SALS 420 M LIM	GRN	PAPI LEFT 3° (11.45 M)	Nil	Nil	2030 M 58 M WHI-YEL LIM	RED	100 M RED	Nil

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
29	CAT I. 900 M LIH	GRN	PAPI LEFT 3° (11.45 M)	Nil	Nil	2030 M 58 M WHI-YEL LIH	RED	100 M RED	Nil

LHPR AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	Nil
2	LDI location and LGT Anemometer location and LGT	Left side of RWY 11/29, in-line with the PAPI, 80m from the centerline, lighted.
3	TWY edge and centre line lighting	TWY edge lights at TWY A
4	Secondary power supply	Diesel generator unit (130kVA); switch-over time is 15 seconds.
5	Remarks	Nil

LHPR AD 2.16 HELICOPTER LANDING AREA

NIL

LHPR AD 2.17 AIR TRAFFIC SERVICES AIRSPACE

1	Designation and lateral limits	PER TIZ 474906N 0173651E - 474449N 0173000E - 473559N 0172918E - 473559N 0173554E - 472959N 0174154E - 472959N 0180954E - 473521N 0181527E - 474419N 0181530E along border HUNGARY_SLOVAKREPUBLIC - 474906N 0173651E
2	Vertical limits	9500 FT ALT GND
3	Airspace classification	G
4	ATS unit call sign Language(s)	PER INFO EN, HU
5	Transition altitude	10000 FT ALT
6	Remarks	Air Traffic Advisory Service is not AVBL in the class G airspace LHPR TIZ

LHPR AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channel(s)	SATVOICE number(s)	Logon Address	Hours of operation	Remarks
1	2	3	4	5	6	7
AFIS	PER INFO	129.910 CH	Nil	Nil	0700 - 1700 (0600-1600)	Nil

LHPR AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid MAG VAR Type of supported OPS (for VOR/ILS/MLS, give declination)	ID	Frequency(ies)	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
ILS 29 (CAT I)						
LOC 29 + 4.85 / 2020	GPR	111.35 MHZ	H24	473802.5N 0174724.8E		
GP 29		332.15 MHZ	H24	473727.8N 0174843.9E		GP Angle:3°
LOC/DME	GPR	CH 50Y	H24	473727.8N 0174843.9E	147 M	
DVOR/DME (decl.: +5.0°)	GYR	115.1 MHZ CH 98X	H24	473932.8N 0174327.7E	156 M	DME COORD: 473932.4N 0174327.6E

LHPR AD 2.20 LOCAL AERODROME REGULATIONS

NIL

LHPR AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

LHPR AD 2.22 FLIGHT PROCEDURES

Visual circling in the northern sector of RWY 11/29 is prohibited for speed category C and D aircraft.

LHPR AD 2.23 ADDITIONAL INFORMATION

The active glider starting area and the appropriate placement of the winch-start aggregate are selected according to the actual meteorological conditions. Intention of training flights have to be reported before flight via www.lhpr.hu/training.

LHPR AD 2.24 CHARTS RELATED TO AN AERODROME

Aerodrome Chart - ICAO	AD 2-LHPR-ADC
Standard Departure Chart - Instrument (SID) - ICAO	AD 2-LHPR-SID-11
	AD 2-LHPR-SID-29
Instrument Approach Chart - ICAO	AD 2-LHPR-ILS/LOC-29
	AD 2-LHPR-RNP-11
	AD 2-LHPR-RNP-29
	AD 2-LHPR-VOR-11
	AD 2-LHPR-VOR-29
Visual Approach Chart - ICAO	AD 2-LHPR-VAC

GYŐR/PÉR

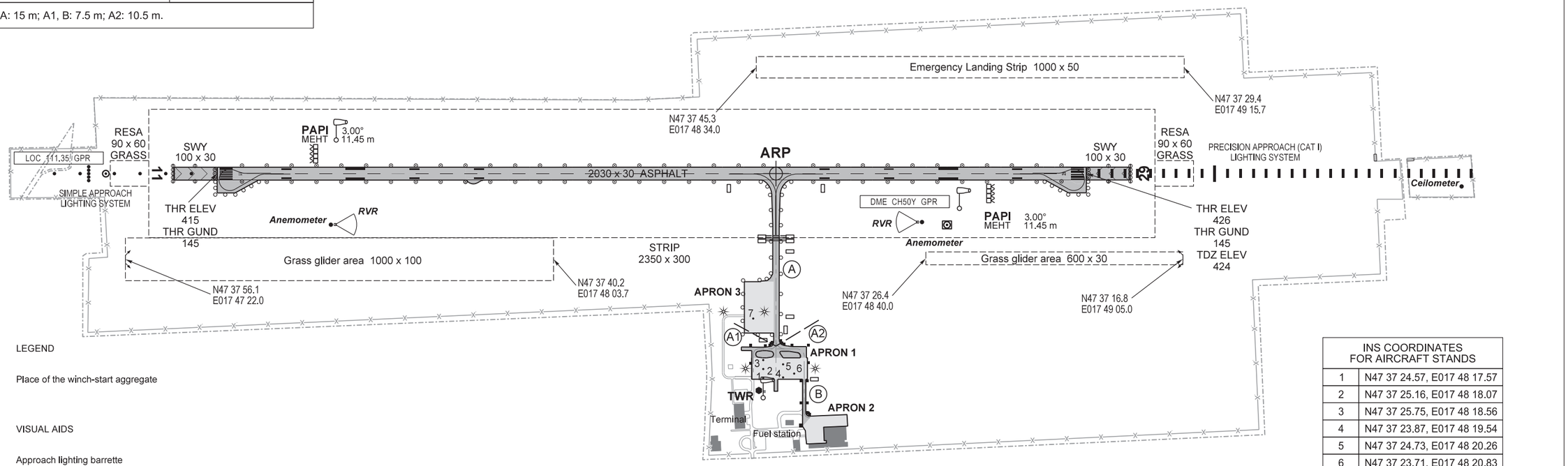
AERODROME CHART - ICAO

ARP
N47 37 38
E017 48 30

AERODROME ELEV 426

PÉR INFO	129.910
BUDAPEST INFORMATION (WEST)	125.500

RWY	DIRECTION	THR	BEARING STRENGTH	TORA	TODA	ASDA	LDA
11	114°	N47 37 58, E017 47 36	PCN 50/F/C/W/T	2030	2030	2130	2030
29	294°	N47 37 26, E017 49 00	PCN 50/F/C/W/T	2030	2030	2130	2030
Apron 1			PCN 42/R/C/W/T				
Apron 2			-				
Apron 3			PCN 61/R/C/W/T				
Taxiway: A			PCN 50/F/C/W/T				
Taxiways: A1, A2			PCN 44/F/C/W/U				
Taxivay: B			-				
Taxiway width: A: 15 m; A1, B: 7.5 m; A2: 10.5 m.							



INS COORDINATES FOR AIRCRAFT STANDS	
1	N47 37 24.57, E017 48 17.57
2	N47 37 25.16, E017 48 18.07
3	N47 37 25.75, E017 48 18.56
4	N47 37 23.87, E017 48 19.54
5	N47 37 24.73, E017 48 20.26
6	N47 37 23.71, E017 48 20.83
7	N47 37 28.86, E017 48 19.87

LEGEND

Place of the winch-start aggregate

VISUAL AIDS

- Approach lighting barrette
- Approach light
- PAPI
- RWY lights (edge, -threshold, -end)
- Stopway lights
- Omnidirectional TWY edge light
- Retroreflective TWY edge marker
- Flood lighting
- Non illuminated taxiing guidance sign

FOR BASIC CHART SYMBOLS SEE GEN 2.3.

APRONS ELEVATION: NOT AVAILABLE.
GEOGRAPHICAL COORDINATES FOR TWY CENTRE LINES: NOT AVAILABLE.
OBSTACLES TO TAXIING: NOT AVAILABLE.
PARKING ORDER APRON 2: NOT AVAILABLE.

LIGHTING

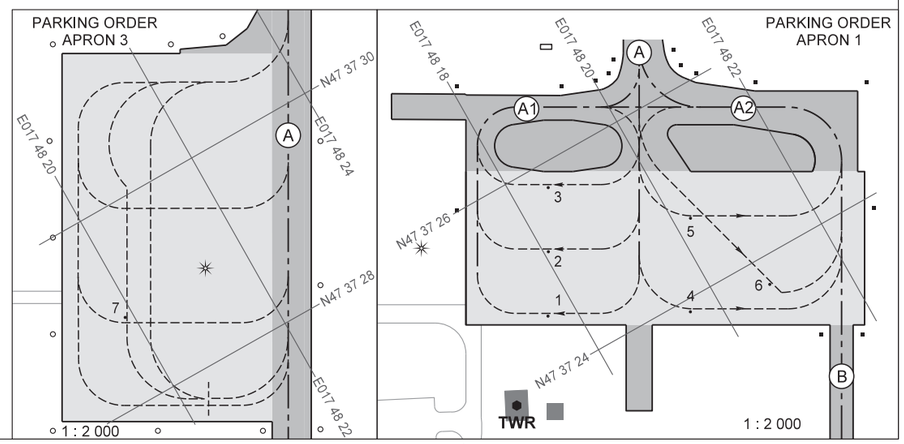
RWY 11/29

Approach: Cat. I. high intensity (900 m) on THR 29, SALS medium intensity (420 m) on THR 11.
Threshold: Green.
PAPI 3.00° (11.45 m).
Runway edge: High intensity white/yellow (2030 m), spacing: 58 m on THR 29, medium intensity white/yellow (2030 m), spacing: 58 m on THR 11.
Runway end: Red.
Stopway: Red (100 m).

ELEVATIONS ARE IN FEET
DIMENSIONS ARE IN METRES
BEARINGS ARE MAGNETIC

HORIZONTAL SCALE 1 : 10 000

100 0 100 200 300 400 500 600 700 800 900 1000 m
0 500 1000 1500 2000 2500 3000 feet



CHANGE: magnetic variation, RWY designation number, RWY magnetic bearing

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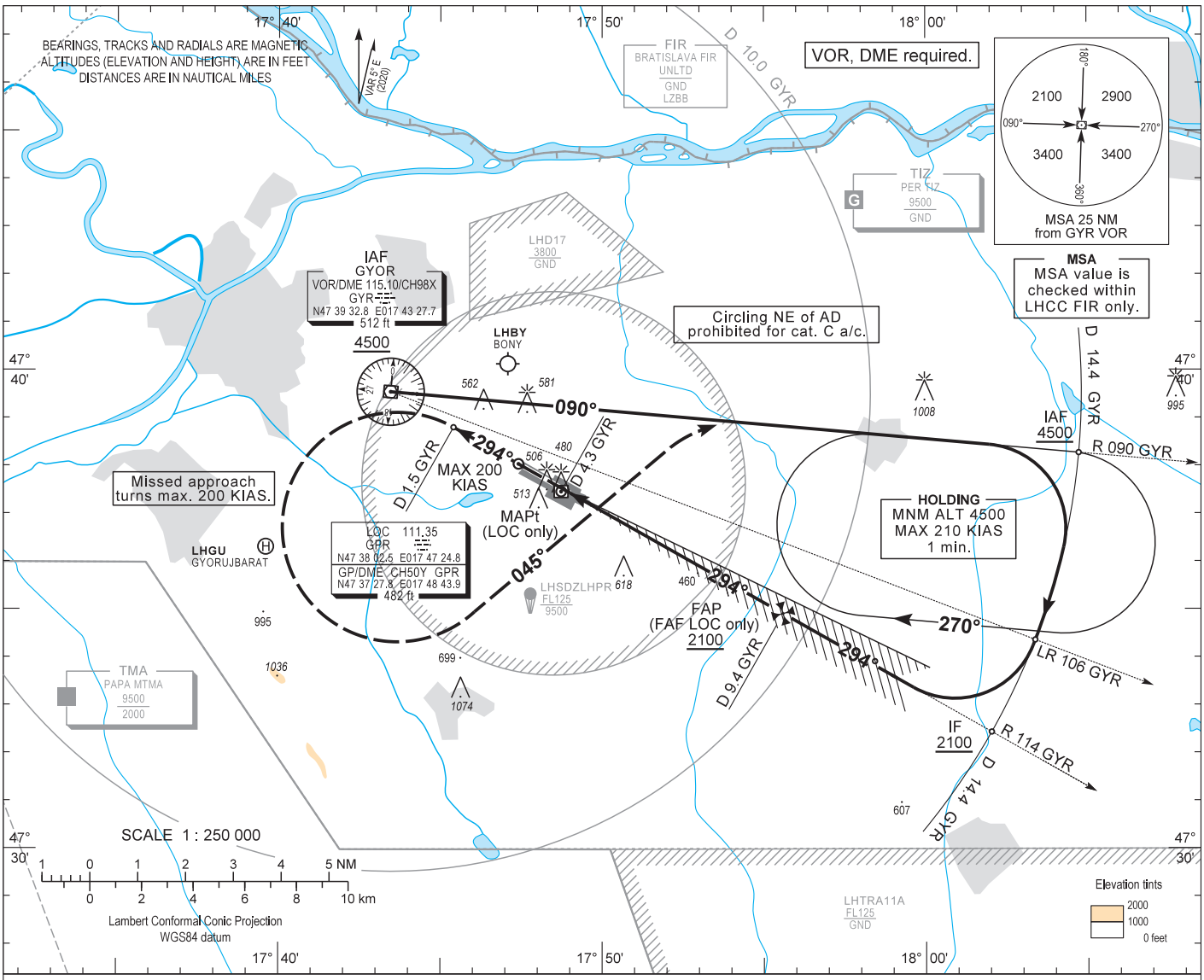
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 426
HEIGHTS RELATED TO THR RWY 29 - ELEV 426

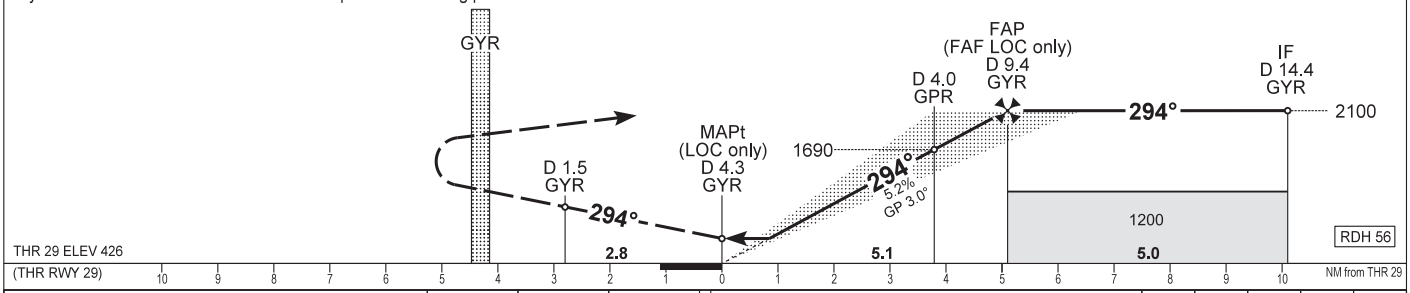
PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

GYŐR/PÉR
ILS or LOC RWY 29
(ACFT CAT A, B, C)



MISSED APPROACH
Climb 4500.
Proceed initially on R 114 GYR inbound.
When passing D 1.5 GYR on R 114 GYR turn left heading 045° to intercept R 090 GYR.
Maximum turning speed 200 KIAS.
Fly on R 090 GYR and at D 14.4 GYR enter published holding pattern at or above 4500.

TRANSITION ALTITUDE
10000



OCA (OCH)			A	B	C
STRAIGHT-IN APPROACH	Cat. I.	Press. ALT	637 (211)	649 (223)	658 (232)
	LOC only		790 (370)		
CIRCLING APPROACH		ft AMSL	890	930	1180 SW of AD only
		VIS. m	1900	2800	3700

DIST with GYR DME	NM	9.0	8.0	7.0	6.0
DIST with GPR DME	NM	4.9	3.9	2.9	1.9
ALT	ft	1980	1660	1340	1020

Timing not authorized to define the MAPt.

GROUND SPEED	kt	60	90	120	150
FAF - MAPt 5.1 NM	min:sec	5:06	3:24	2:33	2:03
Rate of descent (319 ft/NM)	ft/min	320	480	640	800

CHANGE: major revision, magnetic variation, RWY designation number, GYOR VOR station declination

AD 2 LHPR INSTRUMENT APPROACH CHART ILS OR LOC RWY 29

ILS approach procedure:
Initial altitude at or above 4500.
Leave GYR VOR on R 090 GYR. At D 14.4 GYR turn right and join CW D 14.4 GYR DME arc.
After crossing R 106 GYR leading radial turn right and intercept R 114 GYR inbound (final track), to D 14.4 GYR (IF) descend 2100.
When crossing D 9.4 GYR (FAF) descend to published minimum altitude.

Holding procedure:
Holding fix: GYR R 090 / D 14.4
Right hand holding pattern.

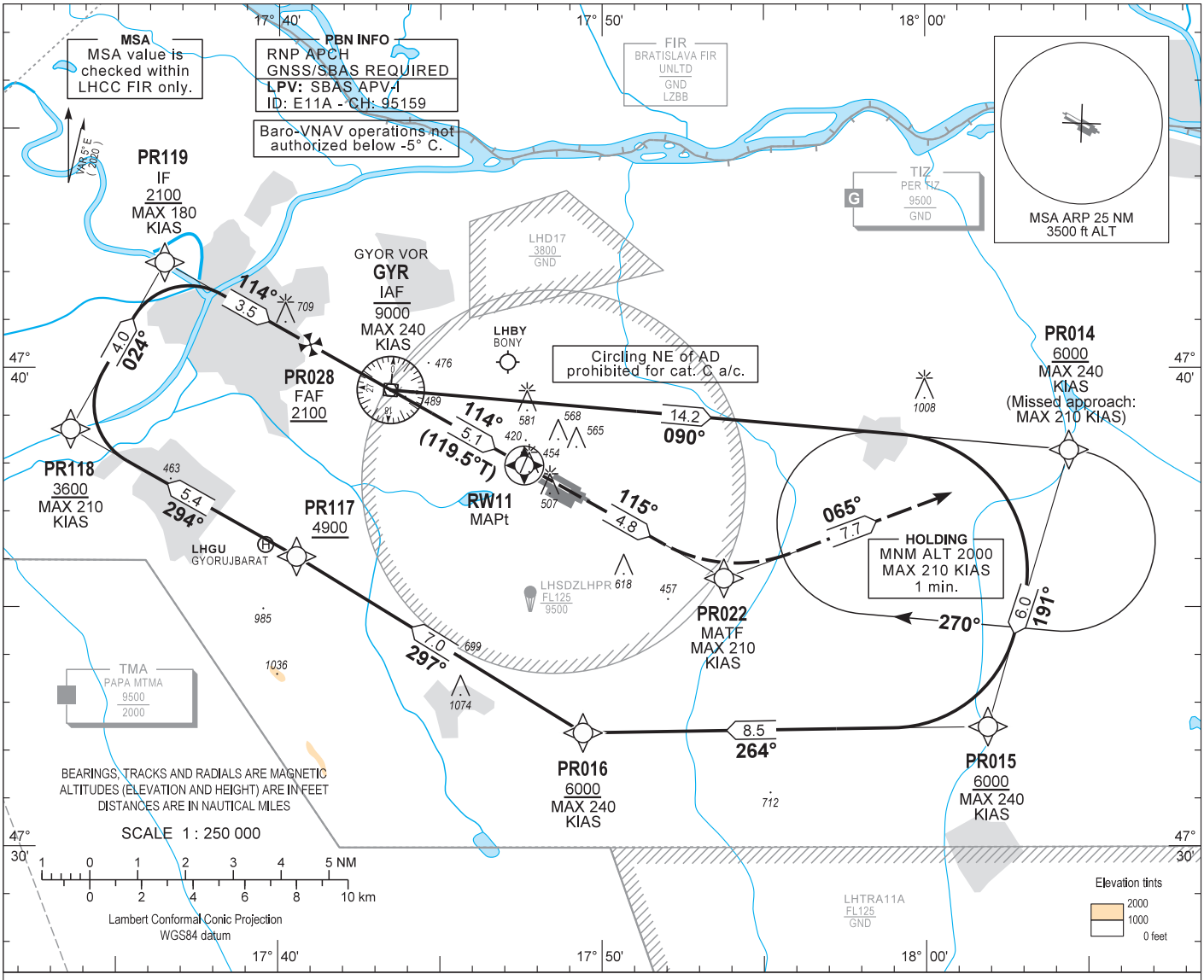
Maximum speed:	210 KIAS
Inbound track:	090°
Outbound track:	270°
Outbound timing:	1 min.
Minimum holding altitude:	4500
Maximum holding altitude:	8500
Rate of turn:	3°/sec. or 25° bank angle (whichever requires lesser bank)
Entry:	Sector 1 (parallel) and Sector 2 (offset) entries prohibited

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 426
HEIGHTS RELATED TO THR RWY 11 - ELEV 415

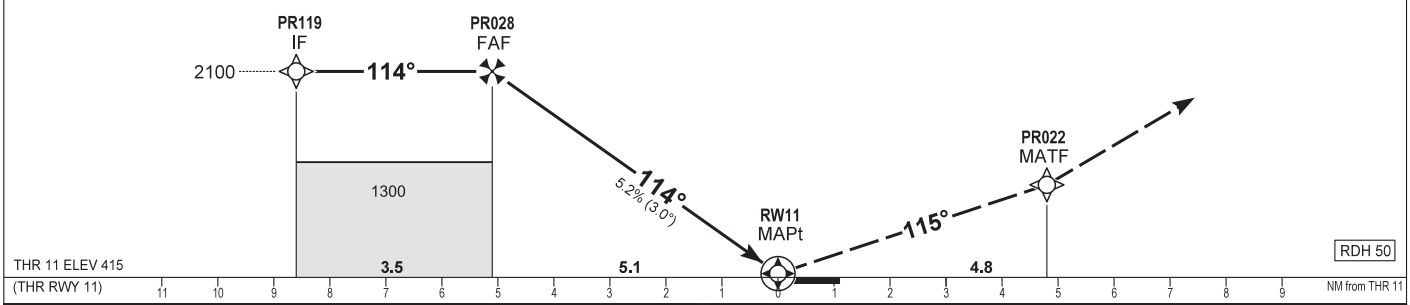
PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

GYŐR/PÉR
RNP RWY 11
(ACFT CAT A, B, C)



TRANSITION ALTITUDE
10000

MISSED APPROACH
Climb to PR022.
Turn left to PR014 and enter holding at or above 2000.
Maximum turning speed: 210 KIAS.



OCA (OCH)		A	B	C
STRAIGHT-IN APPROACH	LNAV	820 (410)		
	LNAV / VNAV	669 (254)	680 (265)	684 (269)
	LPV	639 (224)	651 (236)	659 (244)
CIRCLING APPROACH	ft AMSL	890	930	1180 SW of AD only
	VIS. m	1900	2800	3700

DIST THR / RW11	NM	5.0	4.0	3.0	2.0
ALTITUDE	ft	2060	1740	1420	1100

Timing not authorized to define the MAPt.

GROUND SPEED	kt	60	90	120	150
FAF - RW11 5.1 NM	min:sec	5:06	3:24	2:33	2:03
Rate of descent (319 ft/NM)	ft/min	320	480	640	800

CHANGE: major revision, magnetic variation, RWY designation number, GYOR VOR station declination

AD 2 LHPR INSTRUMENT APPROACH CHART RNP RWY 11

PT	WP ID	Role	OverFly	Bearing/ (Len|Dur)	Turn Direction	Altitude (FT)	IAS (KT)	VRT ANG	NAV PERF
IF	GYR	IAF				-9000	-240		RNP APCH
TF	PR014			095.2 T/14.2 NM		+6000	-240		RNP APCH
TF	PR015			196.4 T/6.0 NM	R	+6000	-240		RNP APCH
TF	PR016			269.1 T/8.5 NM		+6000	-240		RNP APCH
TF	PR117			301.5 T/7.0 NM		+4900			RNP APCH
TF	PR118			299.3 T/5.4 NM		+3600	-210		RNP APCH
TF	PR119	IF		029.3 T/4.0 NM		+2100	-180		RNP APCH
TF	PR028	FAF		119.4 T/3.5 NM		+2100			RNP APCH
TF	RW11	MAPt	Y	119.5 T/5.1 NM		+465		-3.0°	RNP APCH
TF	PR022	MATF		119.5 T/4.8 NM			-210		RNP APCH
TF	PR014			069.7 T/7.7 NM	L	+2000	-210		RNP APCH
HM	PR014	MAHF		095.2 T/1 min	R	+2000	-210		RNP APCH

SBAS FAS Data Block Coding Data

FAS-DB (CRC wrapped data)	
Operation type	0
SBAS Provider	1
Airport identifier	LHPR
Runway	11
Approach Performance Designator	0
Route indicator	
Reference Path Data Selector	0
Reference Path Identifier	E11A
LTP/FTP Latitude	473758.3400N
LTP/FTP Longitude	0174735.6300E
LTP/FTP Ellipsoidal Height (m)	170.8
FPAP Latitude	473726.0200N
FPAP Longitude	0174900.3000E
Threshold Crossing Height	50
TCH Units Selector	0
Glidepath Angle (degrees)	3.00
Course Width (m)	105
Length Offset (m)	0
HAL (m)	40
VAL (m)	50
Data Block	10 12 10 08 0C 0B 00 00 01 31 31 05 88 1A 71 14 9C D2 A2 07 AC 1A 80 03 FF 7C 95 02 F4 01 2C 01 64 00 C8 FA EE 41 C1 02
Calculated CRC Value	EE41C102
FAS-DB (not CRC wrapped data)	
ICAO Code	LH
LTP/FTP Orthometric Height (m)	126.5

WAYPOINT COORDINATES

WP ID	Latitude	Longitude
GYR	N47 39 32.8	E017 43 27.7
PR014	N47 38 17.4	E018 04 25.7
PR015	N47 32 30.2	E018 01 54.4
PR016	N47 32 22.9	E017 49 24.5
PR117	N47 36 03.8	E017 40 33.6
PR118	N47 38 43.1	E017 33 33.9
PR119	N47 42 12.3	E017 36 27.7
PR028	N47 40 29.5	E017 40 58.7
RW11	N47 37 58.3	E017 47 35.6
PR022	N47 35 36.7	E017 53 45.6

Holding procedure

Holding fix:	PR014
Right hand holding pattern.	
Maximum speed:	210 KIAS
Inbound track:	090°
Outbound track:	270°
Rate of turn:	3°/sec. or 25° bank angle (whichever requires lesser bank)
Outbound times:	1 min.
Minimum holding altitude:	2000
Maximum holding altitude:	8500
Entry:	Sector 1 (parallel) and Sector 2 (offset) entries prohibited

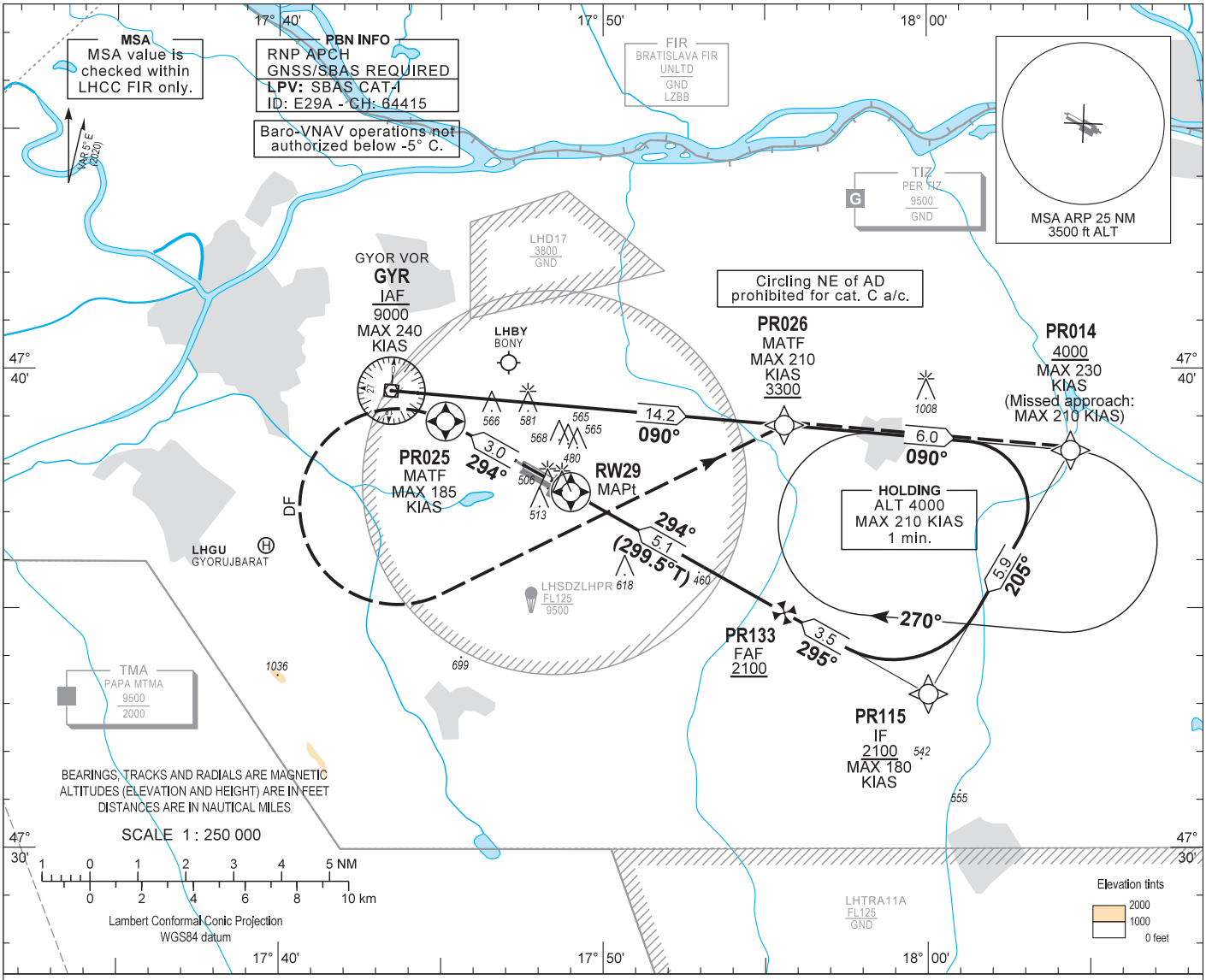
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 426

HEIGHTS RELATED TO THR RWY 29 - ELEV 426

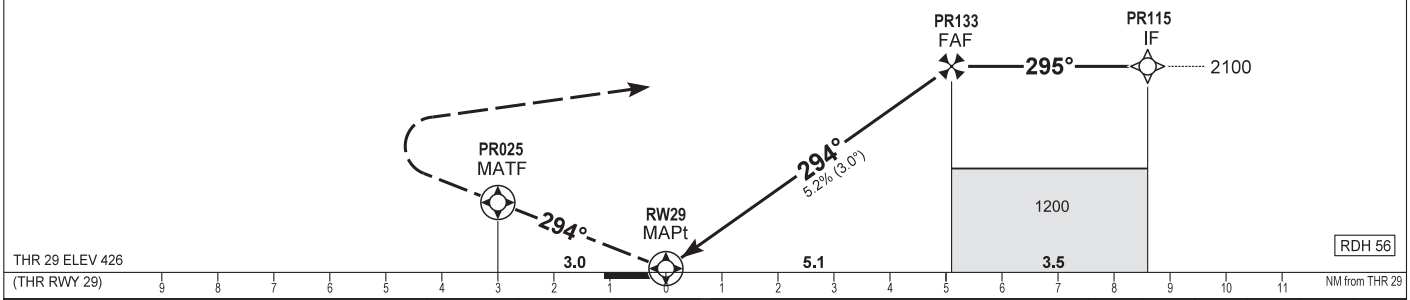
PÉR INFO	129.910
BUDAPEST INFORMATION (WEST)	125.500

GYŐR/PÉR
RNP RWY 29
(ACFT CAT A, B, C)



MISSED APPROACH
Climb to PR025.
Turn left direct to PR026 at or above 3300.
Proceed to PR014, and enter holding at or above 4000.
Maximum turning speed: 185 KIAS at PR025, 210 KIAS at PR026.

TRANSITION ALTITUDE
10000



OCA (OCH)		A	B	C
STRAIGHT-IN APPROACH	LNAV	790 (370)		
	LNAV / VNAV	656 (230)	665 (239)	682 (256)
	LPV	637 (211)	649 (223)	658 (232)
CIRCLING APPROACH	ft AMSL	890	930	1180 SW of AD only
	VIS. m	1900	2800	3700

DIST THR / RW29	NM	5.0	4.0	3.0	2.0	1.0
ALTITUDE	ft	2070	1760	1440	1120	800

Timing not authorized to define the MAPt.

GROUND SPEED	kt	60	90	120	150
FAF - RW29 5.1 NM	min:sec	5:06	3:24	2:33	2:03
Rate of descent (319 ft/NM)	ft/min	320	480	640	800

CHANGE: major revision, magnetic variation, RWY designation number, GYOR VOR station declination

AD 2 LHPR INSTRUMENT APPROACH CHART RNP RWY 29

PT	WP ID	Role	OverFly	Bearing/ (Len|Dur)	Turn Direction	Altitude (FT)	IAS (KT)	VRT ANG	NAV PERF
IF	GYR	IAF				-9000	-240		RNP APCH
TF	PR014			095.2 T/14.2 NM		+4000	-230		RNP APCH
TF	PR115	IF		210.4 T/5.9 NM		+2100	-180		RNP APCH
TF	PR133	FAF		299.5 T/3.5 NM		+2100			RNP APCH
TF	RW29	MAPt	Y	299.5 T/5.1 NM		+482		-3.0°	RNP APCH
TF	PR025	MATF	Y	299.4 T/3.0 NM			-185		RNP APCH
DF	PR026	MATF			L	+3300	-210		RNP APCH
TF	PR014			095.2 T/6.0 NM	R	+4000	-210		RNP APCH
HM	PR014	MAHF		095.2 T/1 min	R	+4000	-210		RNP APCH

SBAS FAS Data Block Coding Data

FAS-DB (CRC wrapped data)	
Operation type	0
SBAS Provider	1
Airport identifier	LHPR
Runway	29
Approach Performance Designator	0
Route indicator	
Reference Path Data Selector	0
Reference Path Identifier	E29A
LTP/FTP Latitude	473726.0200N
LTP/FTP Longitude	0174900.3000E
LTP/FTP Ellipsoidal Height (m)	174.1
FPAP Latitude	473758.3400N
FPAP Longitude	0174735.6300E
Threshold Crossing Height	17.1
TCH Units Selector	1
Glidepath Angle (degrees)	3.00
Course Width (m)	105
Length Offset (m)	0
HAL (m)	40
VAL (m)	35
Data Block	10 12 10 08 0C 1D 00 00 01 39 32 05 08 1E 70 14 18 68 A5 07 CD 1A 80 FC 00 84 6A FD 56 81 2C 01 64 00 C8 AF 6C 80 8E B4
Calculated CRC Value	6C808EB4
FAS-DB (not CRC wrapped data)	
ICAO Code	LH
LTP/FTP Orthometric Height (m)	129.8

WAYPOINT COORDINATES

WP ID	Latitude	Longitude
GYR	N47 39 32.8	E017 43 27.7
PR014	N47 38 17.4	E018 04 25.7
PR115	N47 33 12.7	E018 00 01.4
PR133	N47 34 56.0	E017 55 32.4
RW29	N47 37 26.0	E017 49 00.3
PR025	N47 38 54.3	E017 45 08.2
PR026	N47 38 49.6	E017 55 35.4

Holding procedure

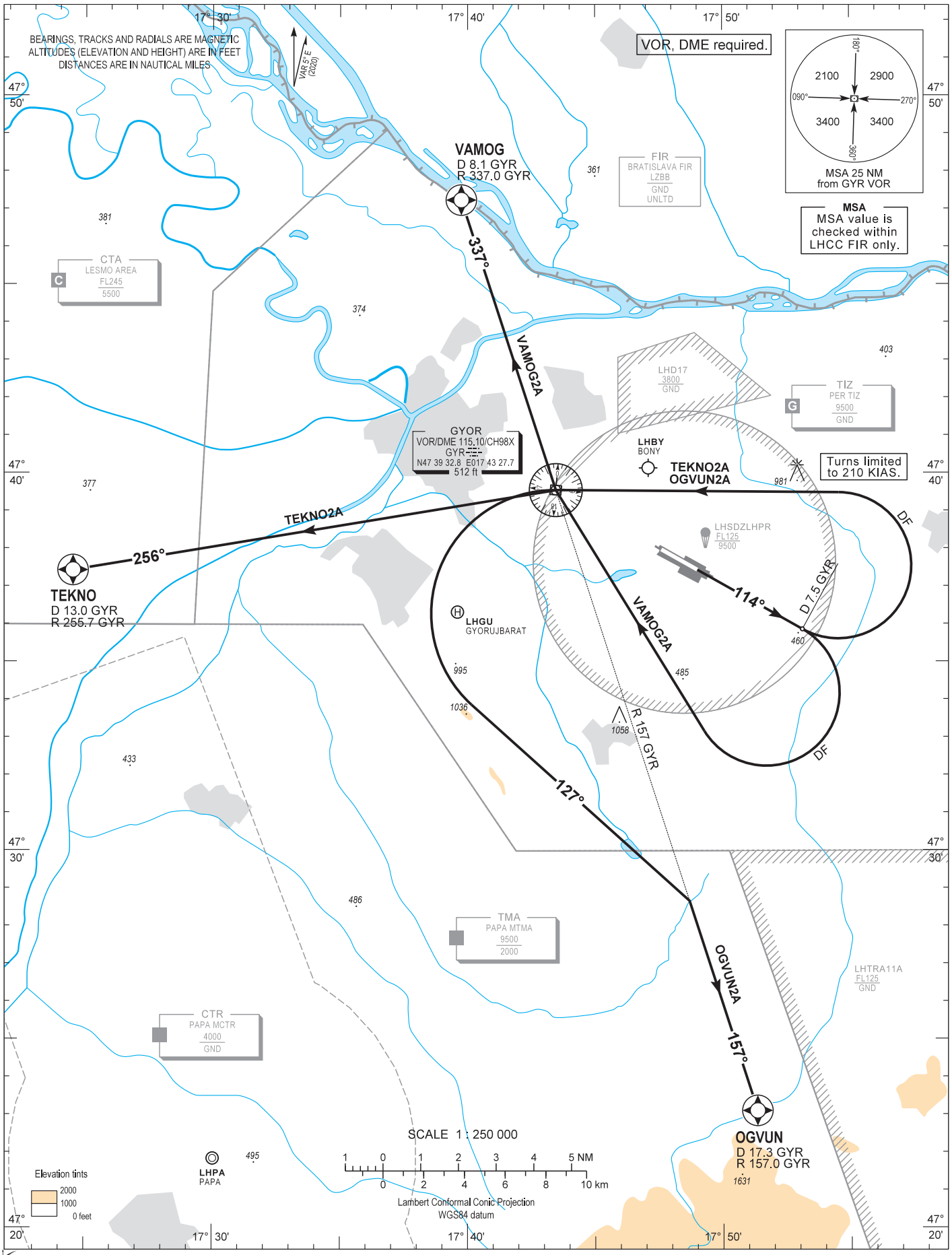
Holding fix:	PR014
Right hand holding pattern.	
Maximum speed:	210 KIAS
Inbound track:	090°
Outbound track:	270°
Rate of turn:	3°/sec. or 25° bank angle (whichever requires lesser bank)
Outbound times:	1 min.
Minimum holding altitude:	4000
Maximum holding altitude:	8500
Entry:	Sector 1 (parallel) and Sector 2 (offset) entries prohibited

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10000

PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

GYŐR/PÉR
RWY 11
OGVUN2A, TEKNO2A, VAMOG2A



AD 2 LHPR STANDARD DEPARTURE CHART INSTRUMENT RWY 11

SID NAME	PROCEDURE	CLIMBING
VAMOG2A (VAMOG TWO ALPHA DEPARTURE)	RWY HDG to D 7.5 GYR then turn right direct to GYR VOR. Maximum turning speed 210 KIAS. At GYR VOR intercept R 337 GYR outbound to VAMOG.	Climb initially 9000 AMSL. Further climb only by ATC.
TEKNO2A (TEKNO TWO ALPHA DEPARTURE)	RWY HDG to D 7.5 GYR then turn left direct to GYR VOR. Maximum turning speed 210 KIAS. At GYR VOR intercept R 256 GYR outbound to TEKNO.	
OGVUN2A (OGVUN TWO ALPHA DEPARTURE)	RWY HDG to D 7.5 GYR then turn left direct to GYR VOR. Maximum turning speed 210 KIAS. At GYR VOR turn left, track 127° to intercept R 157 GYR outbound to OGVUN.	

WAYPOINT COORDINATES

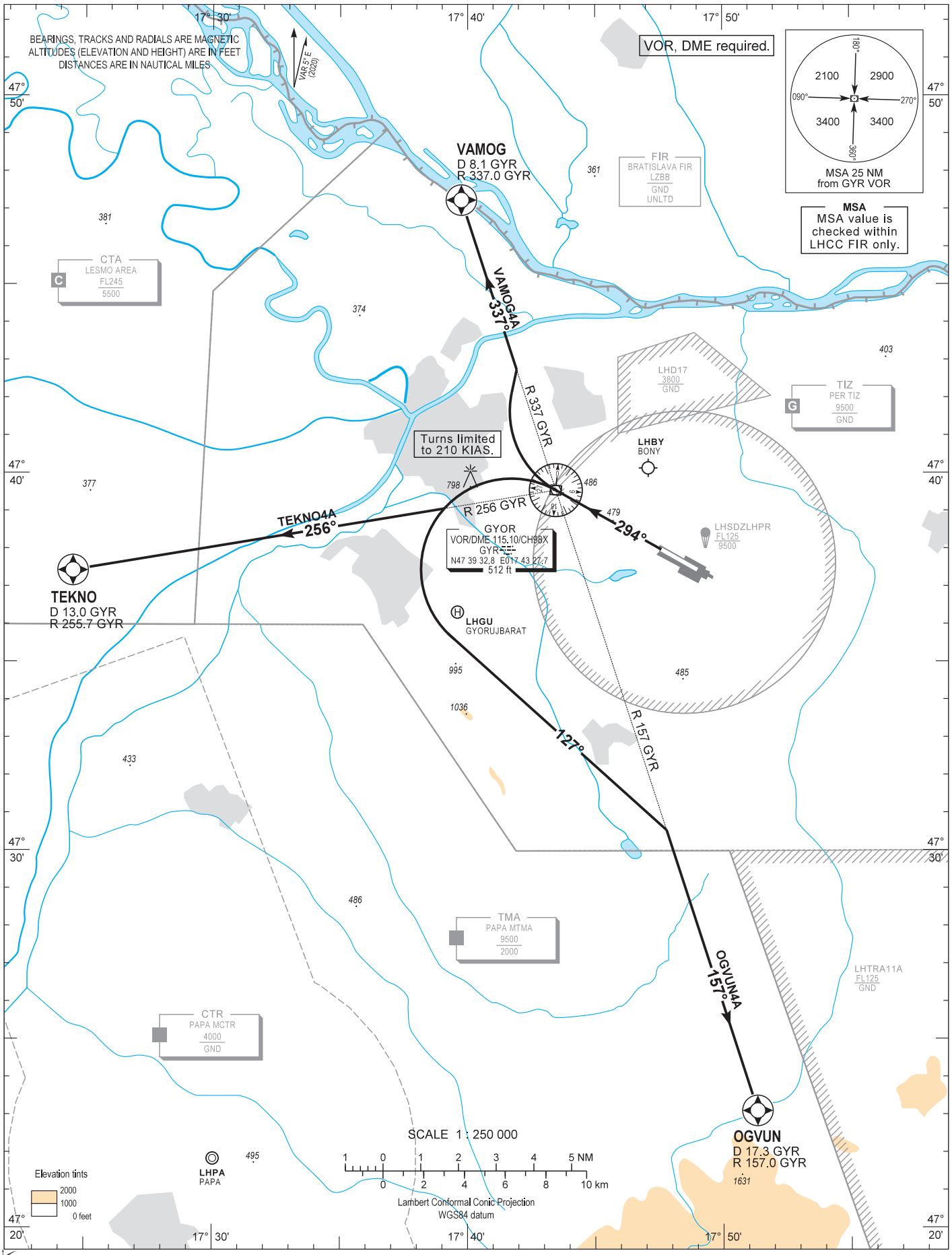
WP ID	Latitude	Longitude
VAMOG	N47 47 14.0	E017 39 45.3
TEKNO	N47 37 25.6	E017 24 32.1
OGVUN	N47 23 06.0	E017 51 20.0

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
10000

PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

GYŐR/PÉR
RWY 29
OGVUN4A, TEKNO4A, VAMOG4A



AD 2 LHPR STANDARD DEPARTURE CHART INSTRUMENT RWY 29

SID NAME	PROCEDURE	CLIMBING
VAMOG4A (VAMOG FOUR ALPHA DEPARTURE)	After departure proceed to GYR VOR. At GYR VOR turn right to intercept R 337 GYR outbound to VAMOG. Maximum turning speed 210 KIAS.	Climb initially 9000 AMSL. Further climb only by ATC.
TEKNO4A (TEKNO FOUR ALPHA DEPARTURE)	After departure proceed to GYR VOR. At GYR VOR turn left to intercept R 256 GYR outbound to TEKNO. Maximum turning speed 210 KIAS.	
OGVUN4A (OGVUN FOUR ALPHA DEPARTURE)	After departure proceed to GYR VOR. At GYR VOR turn left, track 127° to intercept R 157 GYR outbound to OGVUN. Maximum turning speed 210 KIAS.	

WAYPOINT COORDINATES

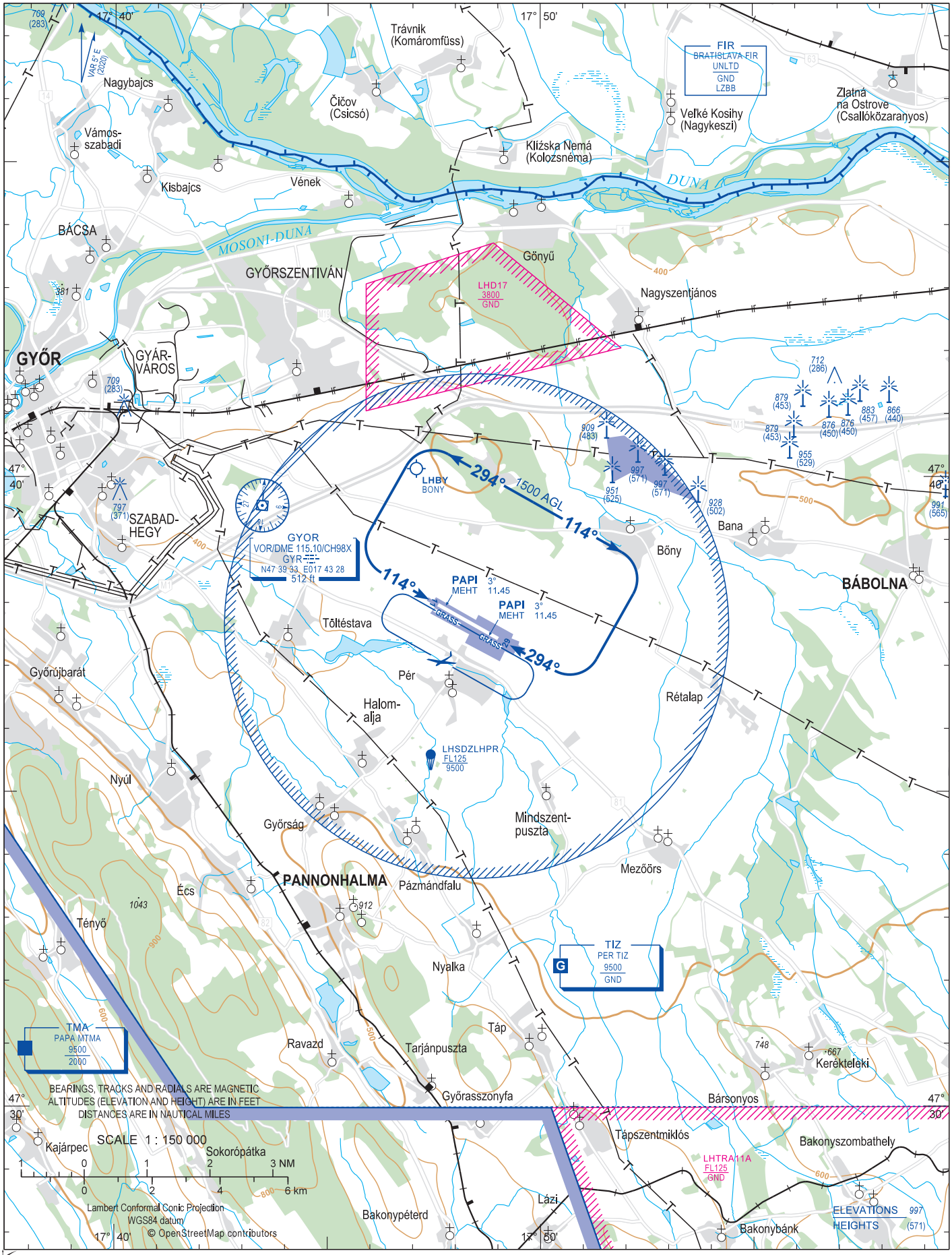
WP ID	Latitude	Longitude
VAMOG	N47 47 14.0	E017 39 45.3
TEKNO	N47 37 25.6	E017 24 32.1
OGVUN	N47 23 06.0	E017 51 20.0

VISUAL APPROACH CHART - ICAO

AERODROME ELEV 426
HEIGHTS RELATED TO AD ELEV

PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

DEBRECEN



CHANGE: scale, chart symbols, magnetic variation, RWY designation number, RWY magnetic bearing

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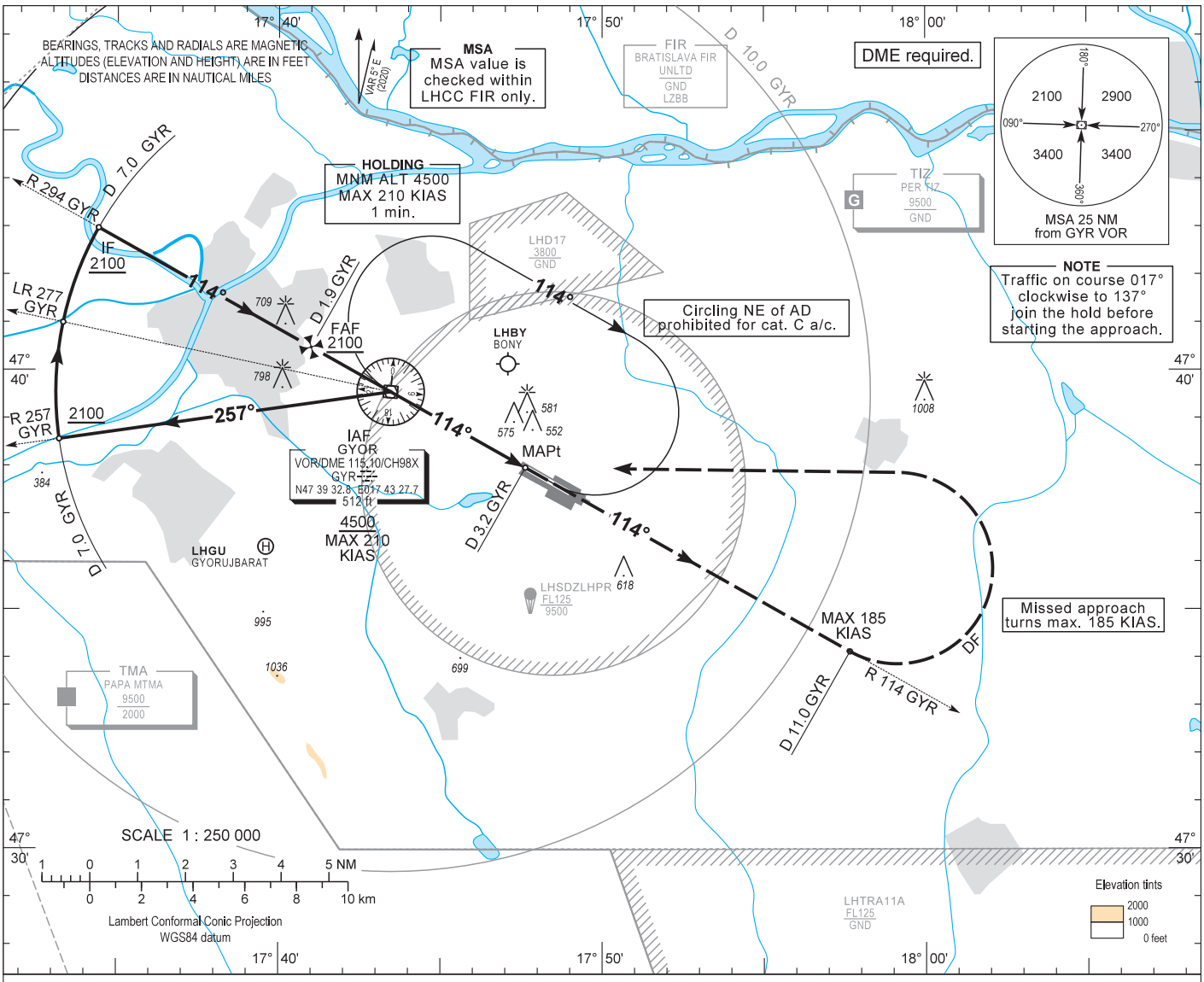
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 426
HEIGHTS RELATED TO THR RWY 11 - ELEV 415

PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

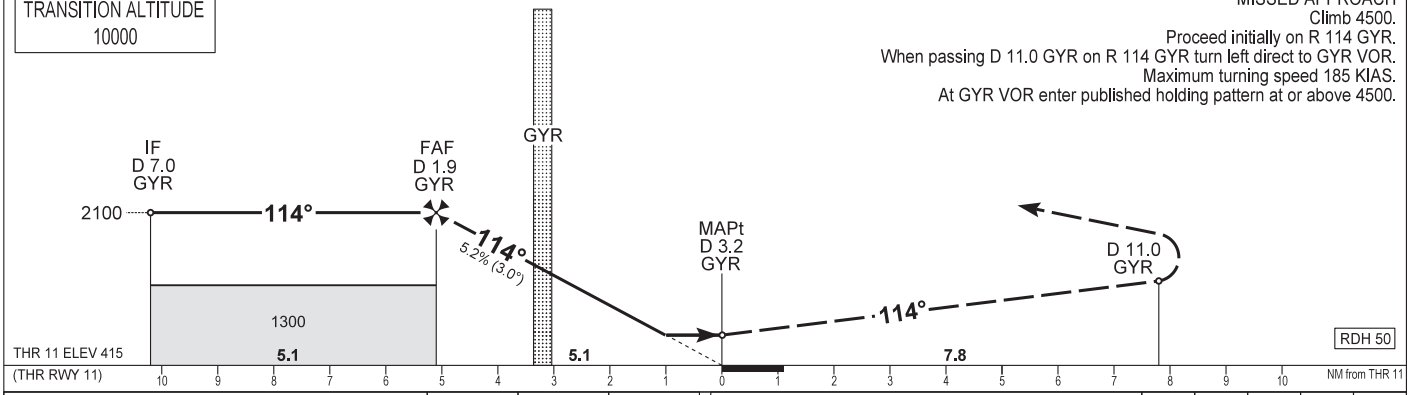
GYŐR/PÉR VOR RWY 11

(ACFT CAT A, B, C)



TRANSITION ALTITUDE
10000

MISSED APPROACH
Climb 4500.
Proceed initially on R 114 GYR.
When passing D 11.0 GYR on R 114 GYR turn left direct to GYR VOR.
Maximum turning speed 185 KIAS.
At GYR VOR enter published holding pattern at or above 4500.



OCA (OCH)		A	B	C
STRAIGHT-IN APPROACH		820 (410)		
CIRCLING APPROACH	ft AMSL	890	930	1180 SW of AD only
	VIS. m	1900	2800	3700

CDFA with GYR DME	NM	1.0 Inbound	0.0	1.0 outbound	2.0 outbound
ALT	ft	1800	1480	1170	850

Timing not authorized to define the MAPt.

GROUND SPEED	kt	60	90	120	150
FAF - MAPt 5.1 NM	min:sec	5:06	3:24	2:33	2:03
Rate of descent (319 ft/NM)	ft/min	320	480	640	800

CHANGE: major revision, magnetic variation, RWY designation number, GYOR VOR station declination

AD 2 LHPR INSTRUMENT APPROACH CHART VOR RWY 11

Initial altitude at or above 4500.
Leave GYR VOR on R 257 GYR and descend 2100.
At D 7.0 GYR turn right and join CW D 7.0 GYR DME arc.
After crossing R 277 GYR leading radial turn right and intercept R 294 GYR inbound for final RWY11.
When crossing D 1.9 GYR (FAF) descend to published minimum altitude.

Holding procedure:
Holding fix: GYR VOR
Right hand holding pattern.

Maximum speed:	210 KIAS
Inbound track:	294°
Outbound track:	114°
Rate of turn:	3°/sec. or 25° bank angle (whichever requires lesser bank)
Outbound timing:	1 min.
Minimum holding altitude:	4500
Maximum holding altitude:	8500

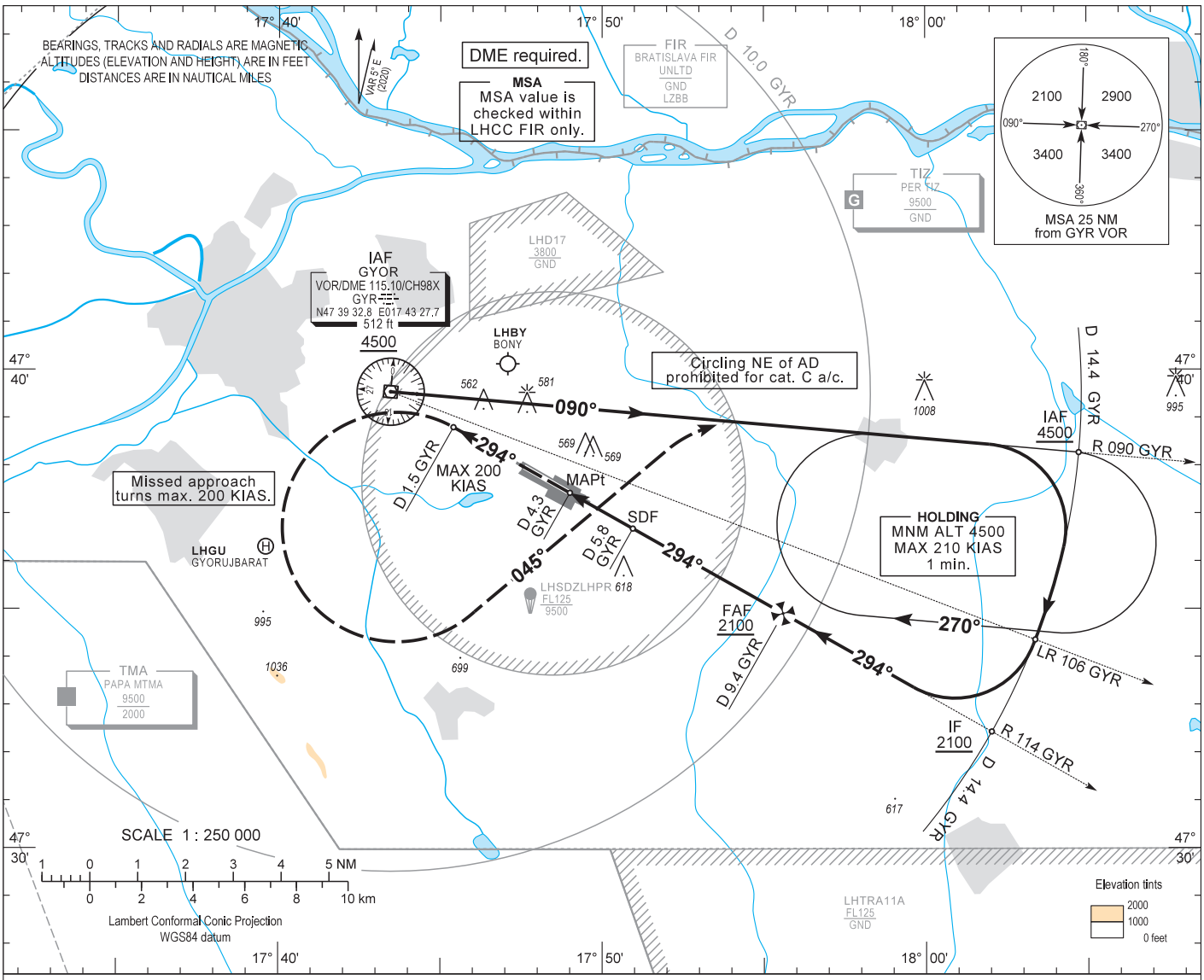
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 426
HEIGHTS RELATED TO THR RWY 29 - ELEV 426

PÉR INFO 129.910
BUDAPEST INFORMATION (WEST) 125.500

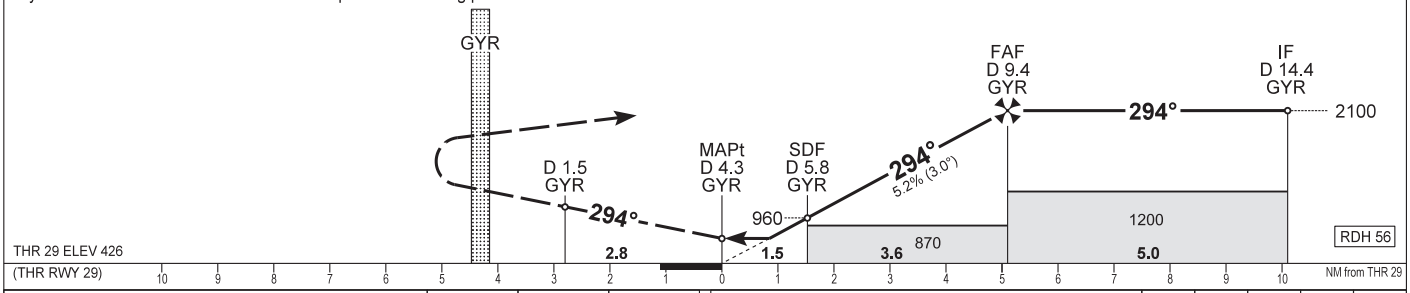
GYŐR/PÉR VOR RWY 29

(ACFT CAT A, B, C)



MISSED APPROACH
Climb 4500.
Proceed initially on R 114 GYR inbound.
When passing D 1.5 GYR on R 114 GYR turn left heading 045° to intercept R 090 GYR.
Maximum turning speed 200 KIAS.
Fly on R 090 GYR and at D 14.4 GYR enter published holding pattern at or above 4500.

TRANSITION ALTITUDE
10000



OCA (OCH)		A	B	C
STRAIGHT-IN APPROACH		790 (370)		800 (380)
CIRCLING APPROACH	ft AMSL	890	930	1180 SW of AD only
	VIS. m	1900	2800	3700

CDFA with GYR DME	NM	9.0	8.0	7.0	6.0
ALT	ft	1980	1660	1340	1020

Timing not authorized to define the MAPt.

GROUND SPEED	kt	60	90	120	150
FAF - MAPt 5.1 NM	min:sec	5:06	3:24	2:33	2:03
Rate of descent (319 ft/NM)	ft/min	320	480	640	800

CHANGE: major revision, magnetic variation, RWY designation number, GYOR VOR station declination

AD 2 LHPR INSTRUMENT APPROACH CHART VOR RWY 29

Initial altitude at or above 4500.
Leave GYR VOR on R 090 GYR. At D 14.4 GYR turn right and join CW D 14.4 GYR DME arc.
After crossing R 106 GYR leading radial turn right and intercept R 114 GYR inbound (final track), to D 14.4 GYR (IF) descend 2100.
When crossing D 9.4 GYR (FAF) descend to published minimum altitude.

Holding procedure:
Holding fix: GYR R 090 / D 14.4
Right hand holding pattern.

Maximum speed:	210 KIAS
Inbound track:	090°
Outbound track:	270°
Rate of turn:	3°/sec. or 25° bank angle (whichever requires lesser bank)
Outbound timing:	1 min.
Minimum holding altitude:	4500
Maximum holding altitude:	8500
Entry:	Sector 1 (parallel) and Sector 2 (offset) entries prohibited