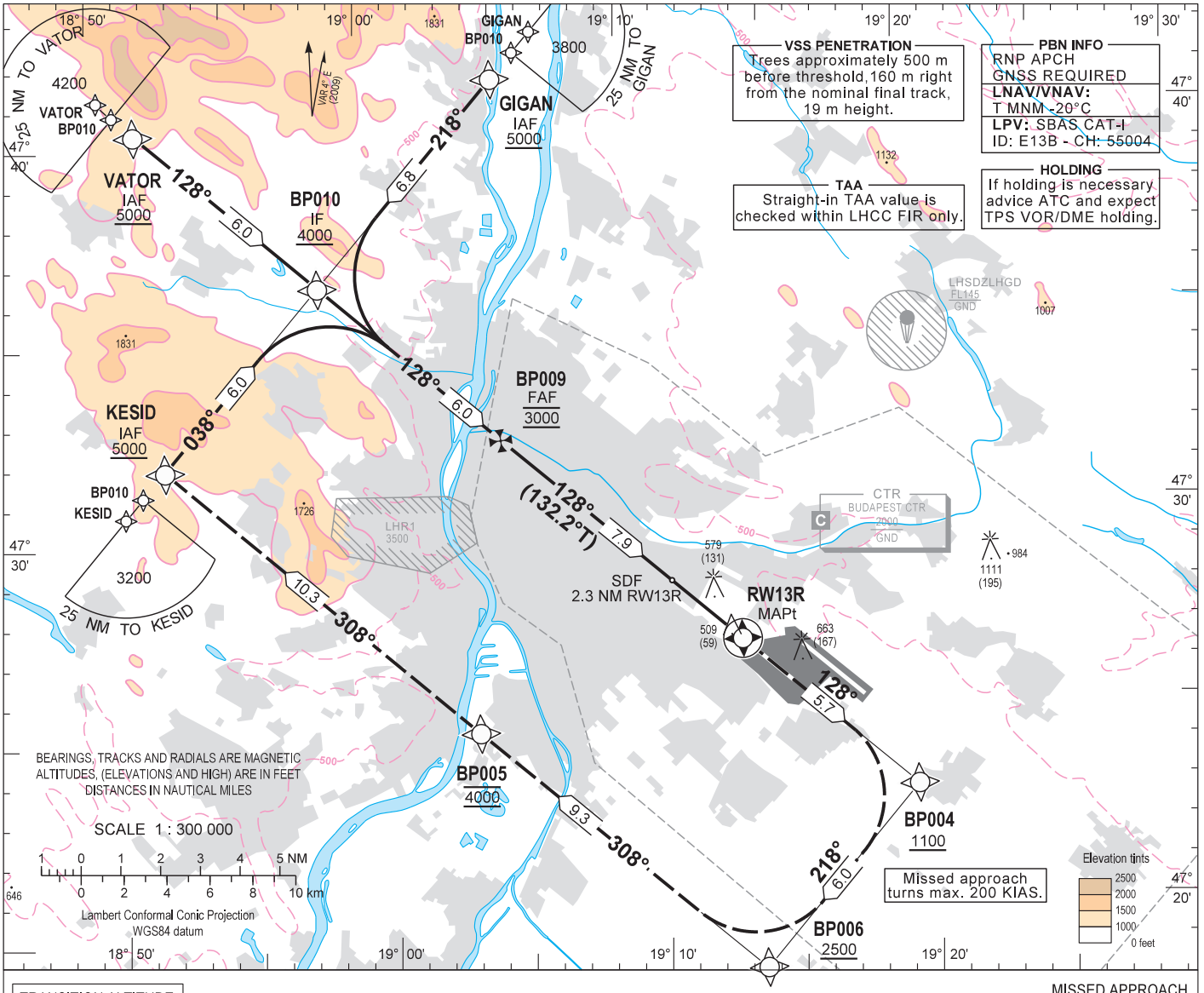
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 496
HEIGHTS RELATED TO THR RWY 13R - ELEV 448

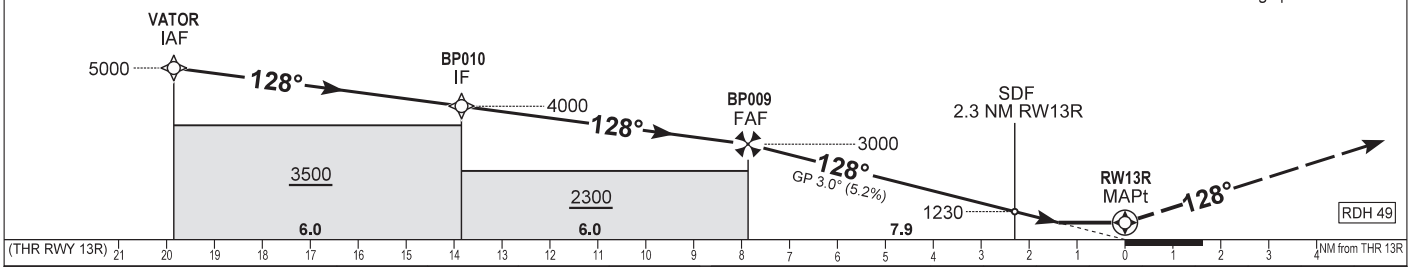
BUDAPEST APPROACH	129.700 122.975 119.500	ATIS	132.375 (117.300)
		BUDAPEST TOWER	118.100
		BUDAPEST GROUND	121.900

BUDAPEST/LISZT FERENC
RNAV (GNSS) RWY 13R
(ACFT CAT A, B, C, D)



TRANSITION ALTITUDE
10000

MISSED APPROACH
Climb to BP004 at or above 1100.
Turn right to BP006 at or above 2500.
Turn right to BP005 at 4000 and continue to KESID at 4000.
Maximum turning speed 200 KIAS.



CAT OF ACFT			A	B	C	D
OCA (H) STRAIGHT-IN	LNAV	2.5% macg	900 (446)	920 (468)	940 (491)	960 (511)
		4.0% macg	830 (377)			
	LNAV/VNAV	2.5% macg	848 (400)	857 (409)	878 (430)	905 (457)
		4.0% macg	710 (262)	720 (272)	730 (282)	740 (292)
	LPV	2.5% macg	848 (400)	857 (409)	867 (419)	877 (429)
		4.0% macg	633 (185)	642 (194)	652 (204)	662 (214)
CIRCLING			970	1190	1310	1510

DIST THR / RW13R	NM	7.0	6.0	5.0	4.0	3.0	2.0	1.0	0.0
ALTITUDE	ft	2730	2410	2090	1770	1450	1130	820	497

GS	kt	80	100	120	140	160	180
BP009 - RW13R (7.9 NM) Timing not authorised for defining the MAPt.	mln:sec	5:54	4:43	3:56	3:22	2:57	2:37
Rate of descent (318 ft/NM)	ft/min	420	530	640	740	850	960

AD 2 LHBP INSTRUMENT APPROACH CHART RNAV(GNSS) RWY 13R

via VATOR

PT	WP ID	OverFly	Fix role	TD	VAR	CRS Val (°)	CRS Type	TIME (s)	DIST (NM)	MNM ALT (ft)	MAX ALT (ft)	IAS MAX (kt)	VRT ANG	NAV PERF
IF	VATOR		IAF		4.5					5000				RNP APCH
TF	BP010		IF		4.5	132.2	TT		6.0	4000				RNP APCH
TF	BP009		FAF		4.5	132.3	TT		6.0	3000	3000			RNP APCH
TF	RW13R	Y	MAPt		4.5	132.2	TT		7.9	497			-3.0	RNP APCH
TF	BP004		MATF		4.5	132.3	TT		5.7	1100		200		RNP APCH
TF	BP006		MATF		4.5	222.4	TT		6.0	2500		200		RNP APCH
TF	BP005				4.5	312.1	TT		9.3	4000	4000	200		RNP APCH
TF	KESID				4.5	312.4	TT		10.3	4000	4000			RNP APCH

via GIGAN

PT	WP ID	OverFly	Fix role	TD	VAR	CRS Val (°)	CRS Type	TIME (s)	DIST (NM)	MNM ALT (ft)	MAX ALT (ft)	IAS MAX (kt)	VRT ANG	NAV PERF
IF	GIGAN		IAF		4.5					5000				RNP APCH
TF	BP010		IF		4.5	222.4	TT		6.8	4000				RNP APCH
TF	BP009		FAF		4.5	132.3	TT		6.0	3000	3000			RNP APCH
TF	RW13R	Y	MAPt		4.5	132.2	TT		7.9	497			-3.0	RNP APCH
TF	BP004		MATF		4.5	132.3	TT		5.7	1100		200		RNP APCH
TF	BP006		MATF		4.5	222.4	TT		6.0	2500		200		RNP APCH
TF	BP005				4.5	312.1	TT		9.3	4000	4000	200		RNP APCH
TF	KESID				4.5	312.4	TT		10.3	4000	4000			RNP APCH

via KESID

PT	WP ID	OverFly	FIx role	TD	VAR	CRS Val (°)	CRS Type	TIME (s)	DIST (NM)	MNM ALT (ft)	MAX ALT (ft)	IAS MAX (kt)	VRT ANG	NAV PERF
IF	KESID		IAF		4.5					5000				RNP APCH
TF	BP010		IF		4.5	042.3	TT		6.0	4000				RNP APCH
TF	BP009		FAF		4.5	132.3	TT		6.0	3000	3000			RNP APCH
TF	RW13R	Y	MAPt		4.5	132.2	TT		7.9	497			-3.0	RNP APCH
TF	BP004		MATF		4.5	132.3	TT		5.7	1100		200		RNP APCH
TF	BP006		MATF		4.5	222.4	TT		6.0	2500		200		RNP APCH
TF	BP005				4.5	312.1	TT		9.3	4000	4000	200		RNP APCH
TF	KESID				4.5	312.4	TT		10.3	4000	4000			RNP APCH

SBAS FAS Data Block Coding Data

FAS-DB (CRC wrapped data)	
Operation type	0
SBAS provider ID	1
Airport identifier	LHBP
RWY	13R
Approach performance designator	0
Route indicator	
Reference path data selector	0
Reference path identifier	E13B
LTP/FTP latitude	472655.3400N
LTP/FTP longitude	0191314.7300E
LTP/FTP ellipsoidal height (m)	180.2
FPAP latitude	472548.1575N
FPAP longitude	0191503.4000E
Threshold crossing height (TCH)	15
TCH units	1
Glide path angle (degrees)	3.00
Course width at threshold (m)	105.00
Length offset (m)	72
Horizontal alert limit (m)	40.0
Vertical alert limit (m)	35.0
Computed Data Block	10 10 02 08 0C 4D 00 00 02 33 31 05 D8 DE 5C 14 D4 A7 3F 08 0A 1B 23 F3 FD FC 50 03 2C 81 2C 01 64 09 C8 AF 5B 89 E8 EF
Computed CRC	5B89E8EF
FAS-DB (not CRC wrapped)	
ICAO code	LH
LTP/FTP Orthometric height (m)	136.6
FPAP Orhtometric height (m)	136.6

WAYPOINT COORDINATES

WP ID	Latitude	Longitude
VATOR	N47 40 15.8	E018 51 35.1
GIGAN	N47 41 17.3	E019 04 58.0
KESID	N47 31 47.2	E018 52 10.0
BP010	N47 36 13.8	E018 58 09.0
BP009	N47 32 12.4	E019 04 40.2
RW13R	N47 26 55.34	E019 13 14.73
BP004	N47 23 03.3	E019 19 29.6
BP006	N47 18 37.5	E019 13 32.8
BP005	N47 24 52.2	E019 03 22.1