INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 338

HEIGHTS RELATED TO
THR RWY 18 - ELEV 338

NYÍREGYHÁZA INFO 119.410
BUDAPEST INFORMATION (EAST) 133.000

NYÍREGYHÁZA
RNP Y RWY 18
(ACFT CAT B, C)

MSA
MSA value is
checked within
LHCC FIR only.

PBN INFO
RNP APCH
GNSS/SBAS REQUIRED
LNAV/VNAV:
T MNM -20°C
LPV: SBAS APV-I
ID: E18B - CH: 52323

NOTE
Traffic from 345 clockwise
to 105 join the hold before
starting the approach.

3500

MNM SECT ALT 25 NM
from ARP

NY192
IF
2600
MAX 180
KIAS

265° 4.0

NY193
2700
MAX 180
KIAS

NY191
FAF
2100

318°

355°

NY194
3000
MAX 210
KIAS

138°

045°

NYIREGYHAZA VOR
NYR
IAF/MAHF
3000
MAX 210
KIAS

LHR29
2500
GND

HOLDING
MNM ALT 3000
MAX 230 KIAS
1 min.

TIZ
NYIREGYHAZA TIZ2
9500
GND

RMZ
NYIREGYHAZA RMZ2
9500
GND

RMZ
NYIREGYHAZA RMZ1
9500
GND

LHSDZLHNY
FL155
9500

TIZ
NYIREGYHAZA TIZ1
9500
GND

BEARINGS, TRACKS AND RADIALS ARE MAGNETIC
ALTITUDES (ELEVATION AND HEIGHT) ARE IN FEET
DISTANCES ARE IN NAUTICAL MILES

SCALE 1 : 250 000

Lambert Conformal Conic Projection
WGS84 datum

NY180
MATF
1300
MAX 220
KIAS

DF

2000
1000
0 feet

TRANSITION ALTITUDE
10000

MISSED APPROACH
Climb to NY180 at or above 1300.
Turn right direct to NYR and enter holding at or above 3000.
Maximum turning speed: 220 KIAS.

NY192
IF
2600

175°

NY191
FAF

2100

175°
5.6% (3.2°)

RW18

175°

NY180
MATF

1300

RDH 40

1000
3.5

5.1

7.0

THR 18 ELEV 338
(THR RWY 18)

NM from THR 18

OCA (OCH)		**B**	**C**	DIST THR / RW18	NM	5.0	4.0	3.0	2.0	1.0
STRAIGHT-IN APPROACH	LNAV	710 (380)		ALTITUDE	ft	2080	1740	1400	1060	720
	LNAV/VNAV	650 (312)	658 (320)							
	LPV	606 (268)	615 (277)	GROUND SPEED	kt	60	90	120	150	180

FAF - RW18 5.1 NM	min:sec	5:04	3:23	2:32	2:02	1:41
Rate of descent (340 ft/NM)	ft/min	340	510	680	850	1020

CHANGE: new minima

AD 2 LHNY INSTRUMENT APPROACH CHART RNP Y RWY 18

PT	WP ID	Role	OverFly	Bearing/(Len|Dur)	Turn Direction	Altitude (FT)	IAS (KT)	VRT ANG	NAV PERF
IF	NYR	IAF				+3000	-210		RNP APCH
TF	NY194			051.0 T/5.3 NM		+3000	-210		RNP APCH
TF	NY193			001.4 T/5.0 NM		+2700	-180		RNP APCH
TF	NY192	IF		271.4 T/4.0 NM		+2600	-180		RNP APCH
TF	NY191	FAF		181.3 T/3.5 NM		+2100			RNP APCH
TF	RW18	LTP	Y	181.3 T/5.1 NM		+378		-3.2°	RNP APCH
TF	NY180	MATF	Y	181.3 T/7.0 NM		+1300	-220		RNP APCH
DF	NYR				R	+3000	-220		RNP APCH
HM	NYR	MAHF		144.0 T/ 1 min	L	+3000	-230		RNP APCH

SBAS FAS Data Block Coding Data

FAS-DB (CRC wrapped data)	
Operation type	0
SBAS Provider	1
Airport identifier	LHNY
Runway	18
Approach Performance Designator	0
Route indicator	Y
Reference Path Data Selector	0
Reference Path Identifier	E18B
LTP/FTP Latitude	475918.6500N
LTP/FTP Longitude	0214132.8800E
LTP/FTP Ellipsoidal Height (m)	143.3
FPAP Latitude	475823.7855N
FPAP Longitude	0214131.0025E
Threshold Crossing Height	40
TCH Units Selector	0
Glidepath Angle (degrees)	3.20
Course Width (m)	105.00
Length Offset (m)	696
HAL (m)	40.0
VAL (m)	50.0
Data Block	10 19 0E 08 0C 12 C8 00 02 38 31 05 F4 2C 98 14 A0 34 4F 09 99 19 5F 53 FE 55 F1 FF 90 01 40 01 64 57 C8 FA 7F 14 12 4F
Calculated CRC Value	7F14124F
FAS-DB (not CRC wrapped data)	
ICAO Code	LH
LTP/FTP Orthometric Height (m)	103.0

WAYPOINT COORDINATES

WP ID	Latitude	Longitude
NYR	N47 59 28.3	E021 41 33.2
NY194	N48 02 46.9	E021 47 37.8
NY193	N48 07 46.7	E021 47 48.7
NY192	N48 07 52.3	E021 41 50.5
NY191	N48 04 22.5	E021 41 43.3
RW18	N47 59 18.7	E021 41 32.9
NY180	N47 52 16.6	E021 41 18.5

Holding procedure

Holding fix:	NYR
Left hand holding pattern.	
Maximum speed:	230 KIAS
Inbound track:	138°
Outbound track:	318°
Rate of turn:	3°/sec. or 25° bank angle (whichever requires lesser bank)
Outbound times:	1 min.
Minimum holding altitude:	3000