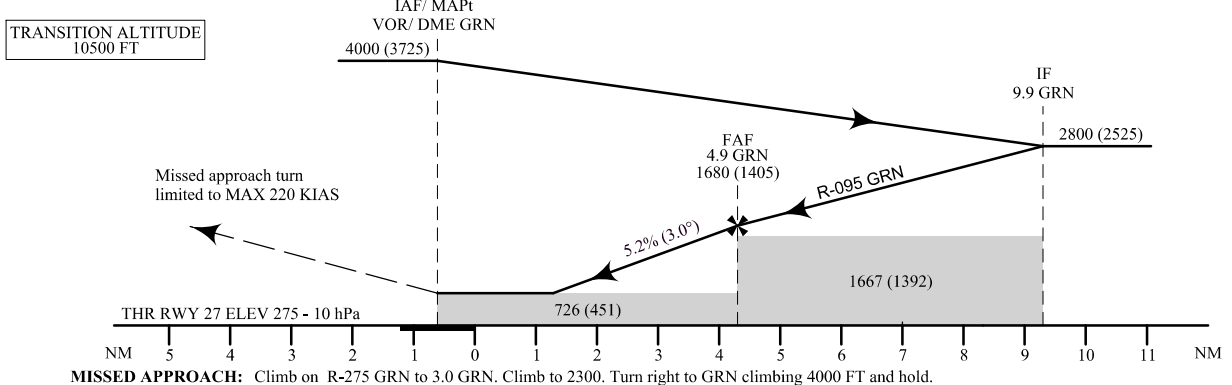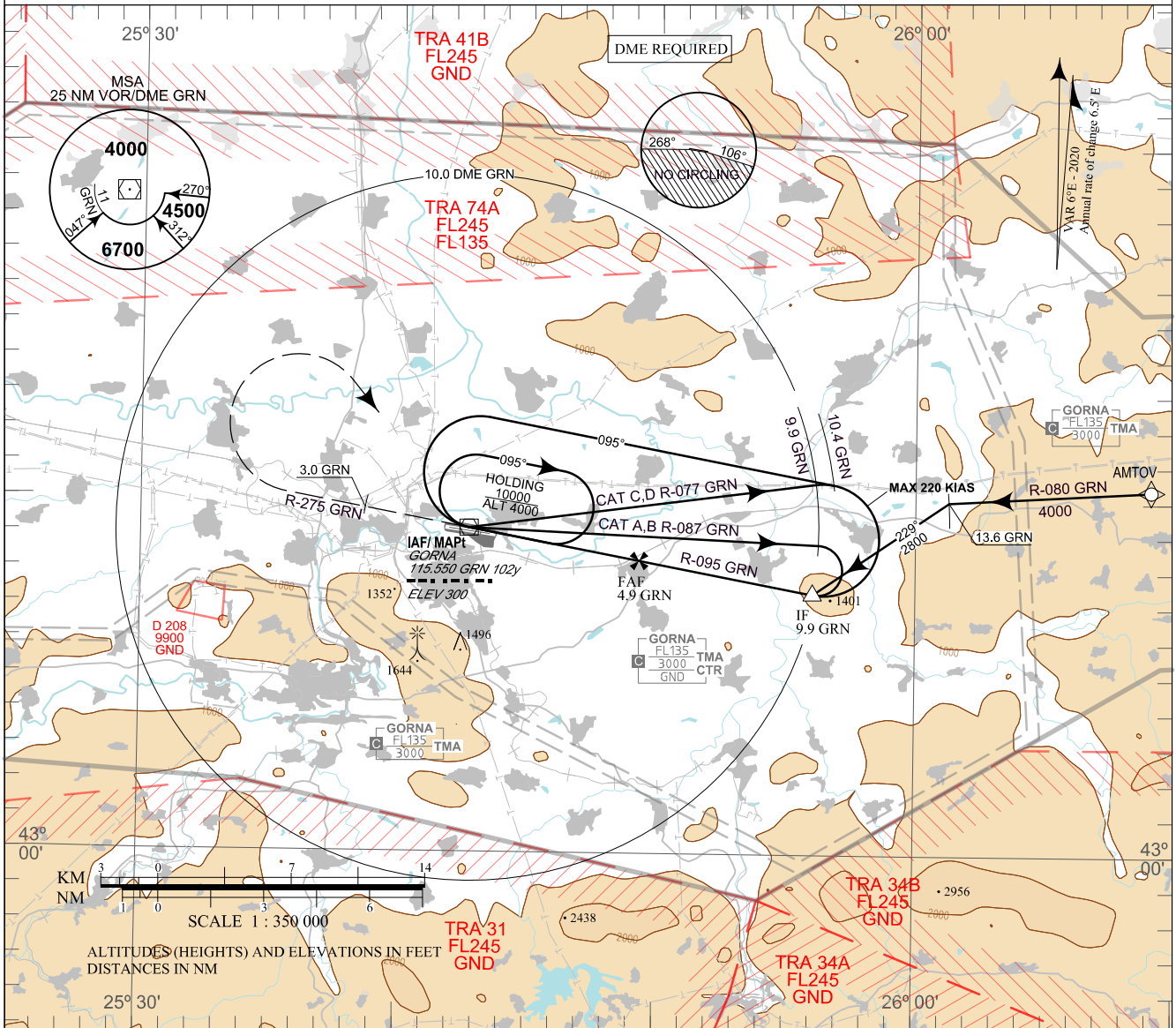**INSTRUMENT APPROACH CHART - ICAO**

AERODROME ELEV   283 - 10 hPa
THR RWY 27 ELEV   275 - 10 hPa

HEIGHTS RELATED TO THR RWY 27 ELEV
CIRCLING OCH RELATED TO AD ELEV

TWR 133.500
124.500
246.825
121.500
243.000

ATIS 127.130

GORNA ORYAHOVITSA

VOR RWY 27

DME REQUIRED

MSA 25 NM VOR/DME GRN

4000
4500
6700
270°
312°
047°
11
GRN

TRA 41B
FL245
GND

TRA 74A
FL245
FL135

10.0 DME GRN

268°   106°
NO CIRCLING

VAR 6°E - 2020
Annual rate of change 6.5' E

26° 00'
25° 30'

3.0 GRN
R-275 GRN

095°
095°
HOLDING
10000
ALT 4000

CAT C,D R-077 GRN
CAT A,B R-087 GRN
R-095 GRN

MAX 220 KIAS

R-080 GRN
4000
AMTOV

229°
2800
13.6 GRN

9.9 GRN
10.4 GRN

IAF/ MAPt
GORNA
115.550 GRN 102y
ELEV 300
1352°

FAF
4.9 GRN

IF
9.9 GRN
•1401

D 208
9900
GND

•1496
•1644

GORNA
FL135
3000
GND
TMA
CTR

GORNA
FL135
3000
TMA

GORNA
FL135
3000
TMA

KM
NM
SCALE 1 : 350 000

ALTITUDES (HEIGHTS) AND ELEVATIONS IN FEET
DISTANCES IN NM

TRA 34B
FL245
GND

•2956

TRA 31
FL245
GND

TRA 34A
FL245
GND

•2438

25° 30'
26° 00'
43° 00'
43° 00'

TRANSITION ALTITUDE
10500 FT

IAF/ MAPt
VOR/ DME GRN
4000 (3725)

IF
9.9 GRN

2800 (2525)

FAF
4.9 GRN
1680 (1405)

R-095 GRN

Missed approach turn
limited to MAX 220 KIAS

5.2% (3.0°)

1667 (1392)

THR RWY 27 ELEV 275 - 10 hPa

726 (451)

NM   5   4   3   2   1   0   1   2   3   4   5   6   7   8   9   10   11   NM

MISSED APPROACH: Climb on R-275 GRN to 3.0 GRN. Climb to 2300. Turn right to GRN climbing 4000 FT and hold.

OCA (OCH)		A	B	C	D
VOR	m	225 (140)			
	ft	730 (460)			
Circling	m	270 (185)	285 (200)	325 (240)	325 (240)
	ft	890 (600)	940 (650)	1060 (780)	1060 (780)

CIRCLING NORTH OF AD ONLY

DIST GRN NM / km	4.0 / 7.4	3.0 / 5.6	2.0 / 3.7
DIST THR NM / km	3.4 / 6.3	2.4 / 4.4	1.4 / 2.6
ALT (HGT) m	425 (340)	330 (245)	235 (145)
ALT (HGT) ft	1400 (1120)	1080 (800)	760 (490)

GS	kt	60	80	100	120	140	160	180
FAF - MAPt 4.9 NM	min:sec	4:54	3:41	2:56	2:27	2:06	1:50	1:38
Rate of descent	ft/min	316	421	527	632	737	843	948

Timing is not authorized for defining MAPt

See page LBGO AD 2 - 61.1 for non-RNAV fixes coordinates and other data.