

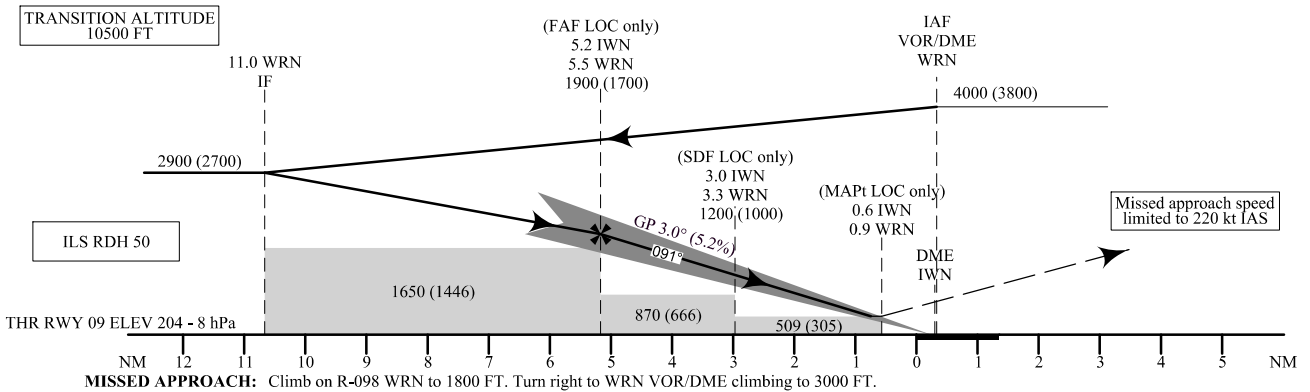
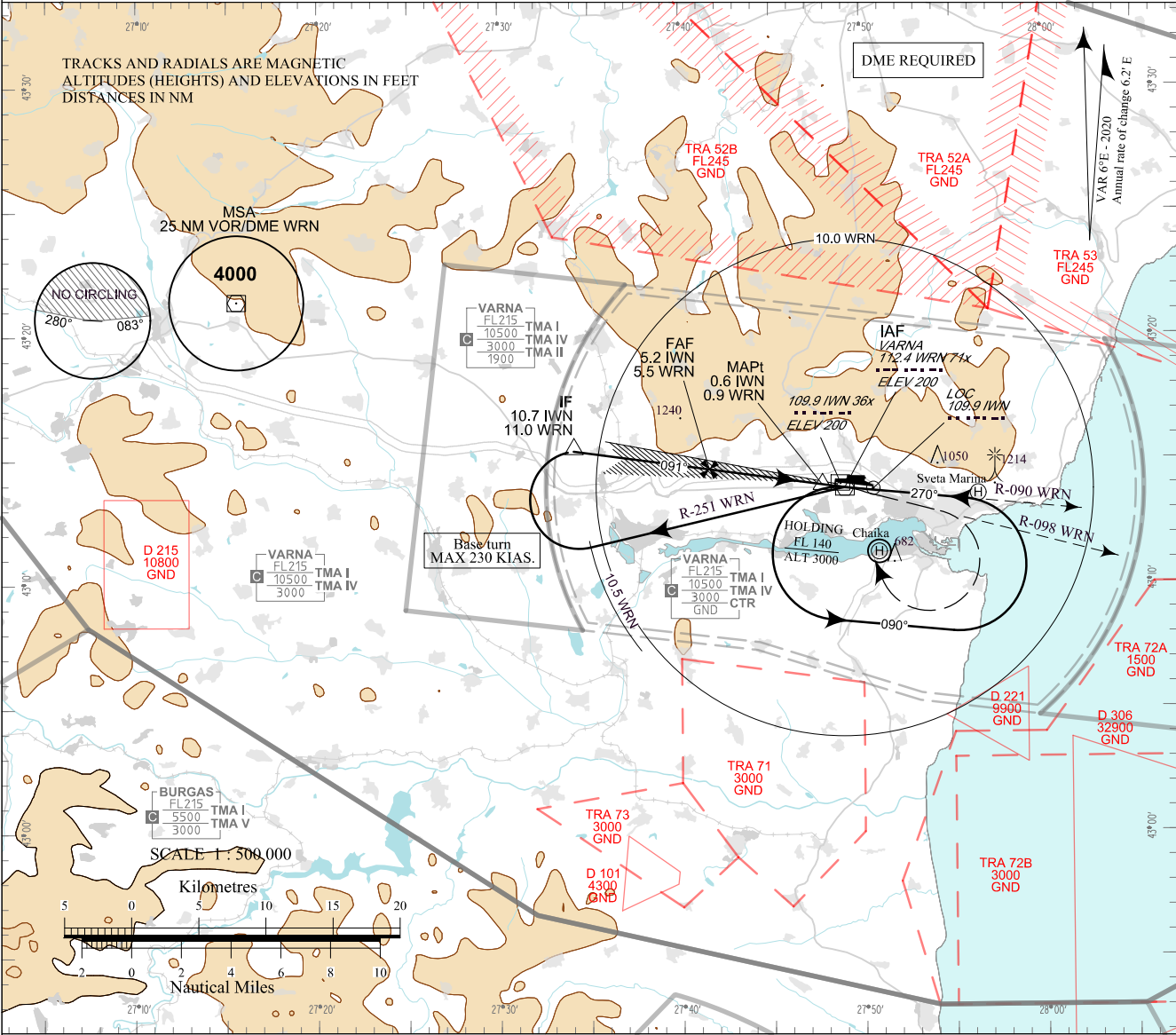
**INSTRUMENT
APPROACH
CHART - ICAO**

AERODROME ELEV 230 - 9 hPa
THR RWY 09 ELEV 204 - 8 hPa
OCH RELATED TO THR RWY 09 ELEV
CIRCLING OCH RELATED TO AD ELEV

APP 124.230
128.815
233.250
121.500
243.000
TWR 119.505
118.905
296.725
121.500
243.000
ATIS 126.880

VARNA

**ILS y or LOC y
RWY 09**



OCA (OCH)	A	B	C	D
CAT I Missed APCH gradient 2.5%	m 133 (71) ft 437 (233)	m 136 (74) ft 447 (243)	m 139 (77) ft 457 (253)	m 142 (80) ft 466 (262)
CAT I Missed APCH gradient 4.0%	m 116 (54) ft 381 (177)	m 119 (57) ft 391 (187)	m 122 (60) ft 401 (197)	m 125 (63) ft 410 (207)
LOC only	m 155 (95) ft 510 (310)	m 155 (95) ft 510 (310)	m 155 (95) ft 510 (310)	m 155 (95) ft 510 (310)
SDF not received	m 265 (205) ft 870 (670)	m 265 (205) ft 870 (670)	m 265 (205) ft 870 (670)	m 265 (205) ft 870 (670)
Circling	m 215 (145) ft 700 (470)	m 275 (205) ft 900 (670)	m 350 (280) ft 1150 (920)	m 400 (330) ft 1300 (1070)

CIRCLING SOUTH OF AD ONLY

DME IWN NM / km	5 / 9.3	4 / 7.4	3 / 5.6	2 / 3.7
DME WRN NM / km	5.3 / 9.8	4.3 / 8.0	3.3 / 6.1	2.3 / 4.3
ALT (HGT) ft	1840 (1640)	1520 (1320)	1200 (1000)	890 (690)
ALT (HGT) m	560 (500)	465 (405)	370 (305)	270 (210)

DME IWN reads ZERO at THR 09

GS	kt	60	80	100	120	140	160	180
FAF - MAPt 4.6 NM	min:sec	4:36	3:27	2:46	2:18	1:58	1:44	1:32
Rate of descent	ft/min	316	421	527	632	737	843	948

Timing is not authorized for defining MAPt

See page LBWN AD 2 - 61.1 for waypoint coordinates