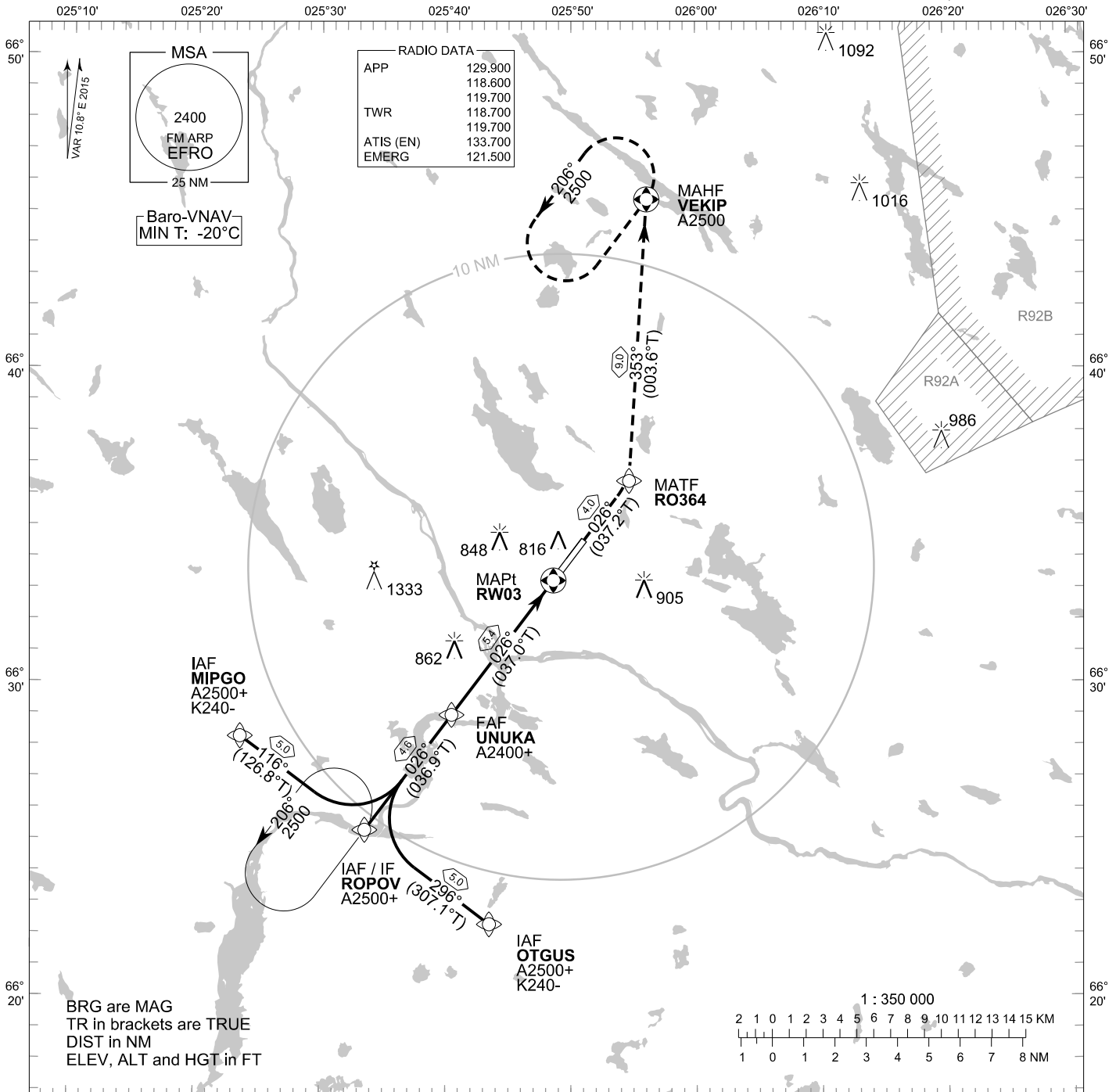


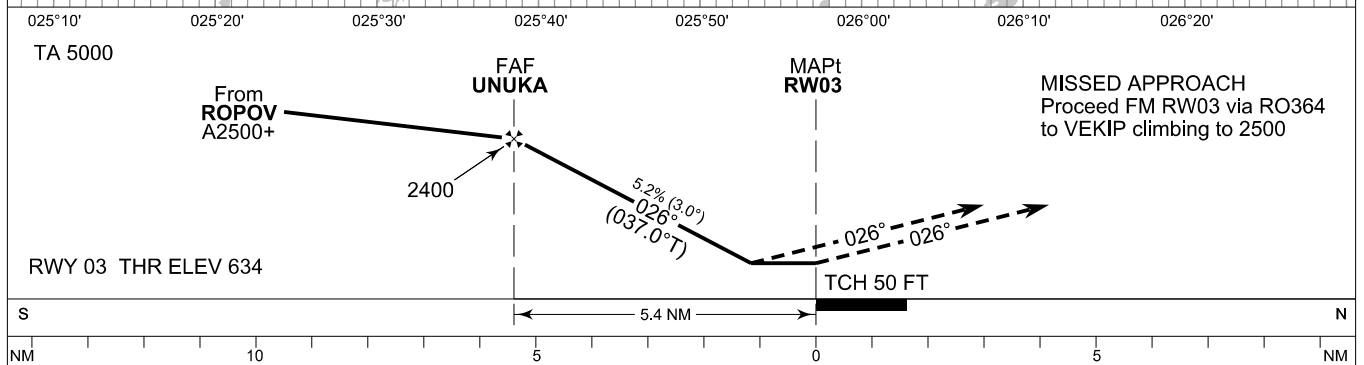
**INSTRUMENT
APPROACH CHART - ICAO**

ELEV 643 FT
HEIGHTS RELATED TO
THR RWY 03 ELEV 634 FT

RNAV (GNSS) RWY 03
ROVANIEMI AERODROME
ROVANIEMI, FINLAND



CHG: OBST, RADIO DATA



OCA (H)	A	B	C	D
LNAV	1020 (390)			
LNAV / VNAV	900 (270)			
Circling	1120 (470)	1150 (510)	1300 (660)	1340 (690)

DIST FM THR	5.0 NM		4.0 NM		3.0 NM		2.0 NM	
	kt	min:sec	kt	min:sec	kt	min:sec	kt	min:sec
Altitude (Height)	2280 (1640)		1960 (1320)		1640 (1000)		1320 (690)	
FAF - MAPt 5.4 NM	480	3:36	530	3:14	640	2:42	740	2:19
Rate of descent	480		530		640		740	850

Timing not authorized for defining the MAPt

EFRO RNAV (GNSS) RWY 03										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
R03 MIPGO RNP APCH	005	IF	MIPGO	IAF	-	116° 126.8°T	5.0	L	A2500+	K240-
	010	TF	ROPOV	IF	-	026° 036.9°T	4.6		A2500+	
	020	TF	UNUKA	FAF	-	026° 037.0°T	5.4		A2400+	
	030	TF	RW03	MAPt	Y	026° 037.2°T	4.0	L		
	040	TF	RO364	MATF	-	353° 003.6°T	9.0			
	050	TF	VEKIP	MAHF	Y				A2500	

EFRO RNAV (GNSS) RWY 03										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
R03 ROPOV RNP APCH	010	IF	ROPOV	IAF/IF	-	026° 036.9°T	4.6		A2500+	
	020	TF	UNUKA	FAF	-	026° 037.0°T	5.4		A2400+	
	030	TF	RW03	MAPt	Y	026° 037.2°T	4.0	L		
	040	TF	RO364	MATF	-	353° 003.6°T	9.0			
	050	TF	VEKIP	MAHF	Y				A2500	

EFRO RNAV (GNSS) RWY 03										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
R03 OTGUS RNP APCH	005	IF	OTGUS	IAF	-	296° 307.1°T	5.0	R	A2500+	K240-
	010	TF	ROPOV	IF	-	026° 036.9°T	4.6		A2500+	
	020	TF	UNUKA	FAF	-	026° 037.0°T	5.4		A2400+	
	030	TF	RW03	MAPt	Y	026° 037.2°T	4.0	L		
	040	TF	RO364	MATF	-	353° 003.6°T	9.0			
	050	TF	VEKIP	MAHF	Y				A2500	

RNAV Holdings							
ID	INBD TR	INBD MAG	Turn Direction	MAX IAS	MNM HLDG LVL	TIME	DIST NM
ROPOV	037.2°T	026°	Left	230 KT	A2500	1 MIN	-
VEKIP	037.1°T	026°	Left	230 KT	A2500	1 MIN	-

WPT COORD
SEE PAGE EFRO AD 2.15 - 1

FINAL APPROACH PARAMETERS			
LNAV Gradient	Baro-VNAV		TCH
	VPA	MNM T	
5.24 % (3.00°)	3.00°	-20°C	50 FT