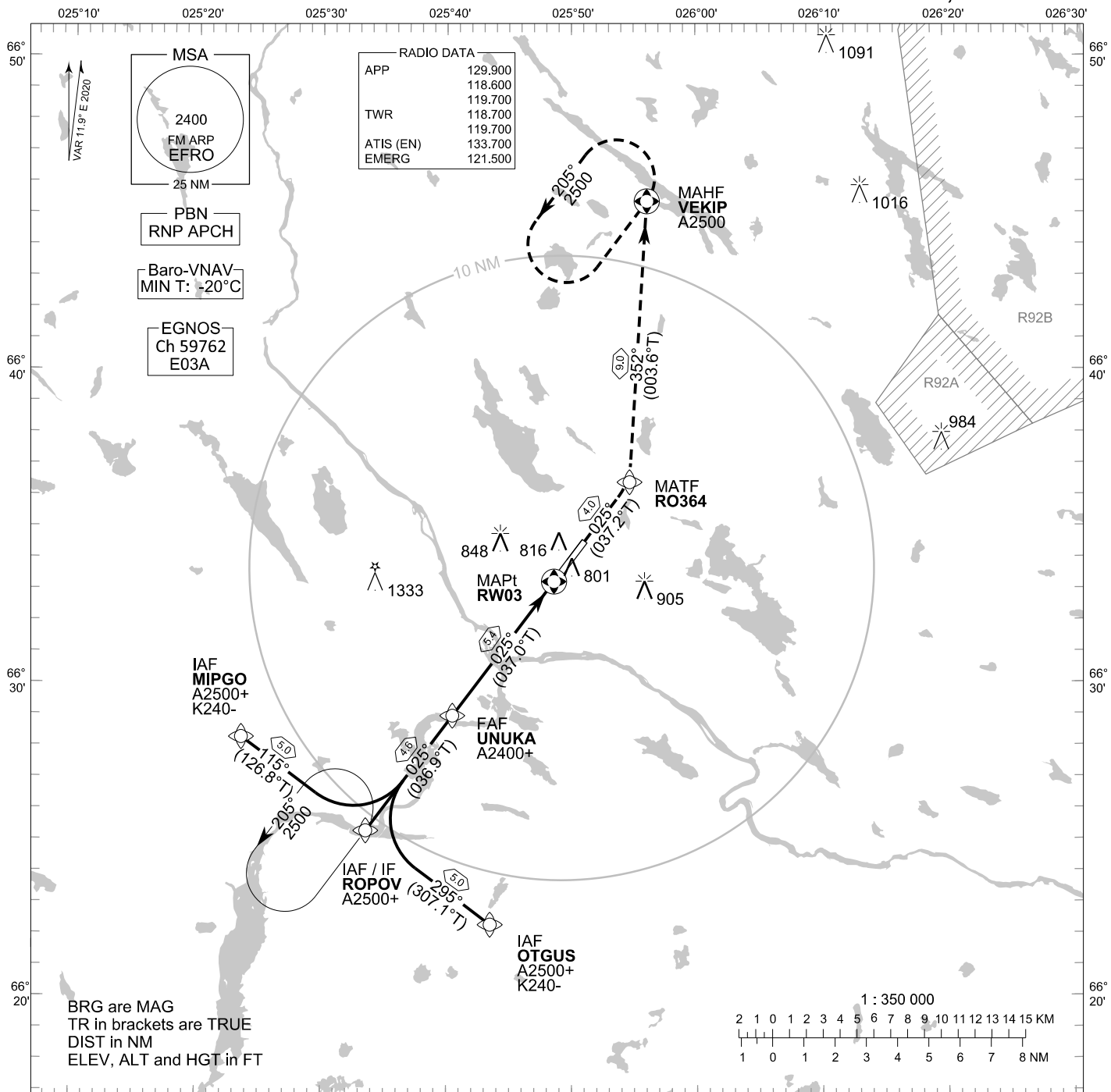


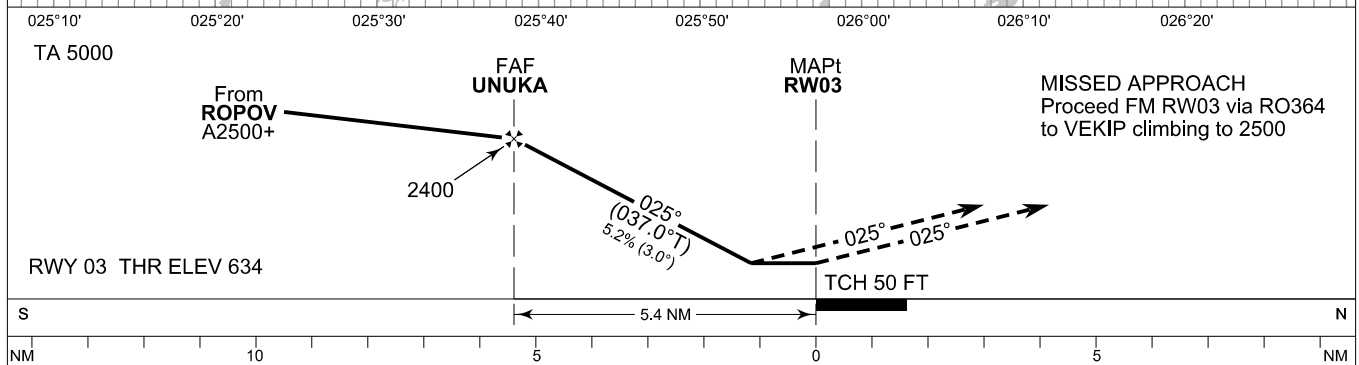
**INSTRUMENT
APPROACH CHART - ICAO**

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

**RNP RWY 03
ROVANIEMI AERODROME
ROVANIEMI, FINLAND**



CHG: ADDN LPV



OCA (H)	A	B	C	D
LPV	875 (242)	887 (254)	895 (262)	905 (272)
LNAV/VNAV	869 (236)	881 (248)	910 (277)	920 (287)
LNAV	1020 (390)			
Circling	1120 (470)	1150 (510)	1300 (660)	1340 (690)

DIST FM THR	5.0 NM	4.0 NM	3.0 NM	2.0 NM		
Altitude (Height)	2280 (1640)	1960 (1320)	1640 (1010)	1320 (690)		
	kt	90	100	120	140	160
FAF - MAPt 5.4 NM	min:sec	3:36	3:14	2:42	2:19	2:01
Rate of descent	ft/min	480	530	640	740	850

Timing not authorized for defining the MAPt

EFRO RNP RWY 03										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
H03 MIPGO RNP APCH	005	IF	MIPGO	IAF	-	115° 126.8°T	5.0		A2500+	K240-
	010	TF	ROPOV	IF	-	025° 036.9°T	4.6	L	A2500+	
	020	TF	UNUKA	FAF	-	025° 037.0°T	5.4		A2400+	
	030	TF	RW03	MAPt	Y	025° 037.2°T	4.0			
	040	TF	RO364	MATF	-	352° 003.6°T	9.0	L		
	050	TF	VEKIP	MAHF	Y				A2500	

EFRO RNP RWY 03										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
H03 ROPOV RNP APCH	010	IF	ROPOV	IAF/IF	-	025° 036.9°T	4.6		A2500+	
	020	TF	UNUKA	FAF	-	025° 037.0°T	5.4		A2400+	
	030	TF	RW03	MAPt	Y	025° 037.2°T	4.0			
	040	TF	RO364	MATF	-	352° 003.6°T	9.0	L		
	050	TF	VEKIP	MAHF	Y				A2500	

EFRO RNP RWY 03										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
H03 OTGUS RNP APCH	005	IF	OTGUS	IAF	-	295° 307.1°T	5.0		A2500+	K240-
	010	TF	ROPOV	IF	-	025° 036.9°T	4.6	R	A2500+	
	020	TF	UNUKA	FAF	-	025° 037.0°T	5.4		A2400+	
	030	TF	RW03	MAPt	Y	025° 037.2°T	4.0			
	040	TF	RO364	MATF	-	352° 003.6°T	9.0	L		
	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	025°	Left	230 KT	A2500	1 MIN	-
VEKIP	037.1°T	025°	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

SBAS DATA	
Approach ID	E03A
Service Provider	EGNOS
CRC remainder	14 BF D2 55
Channel number	59762
Data Block	SEE EFRO AD 2.15 - 9