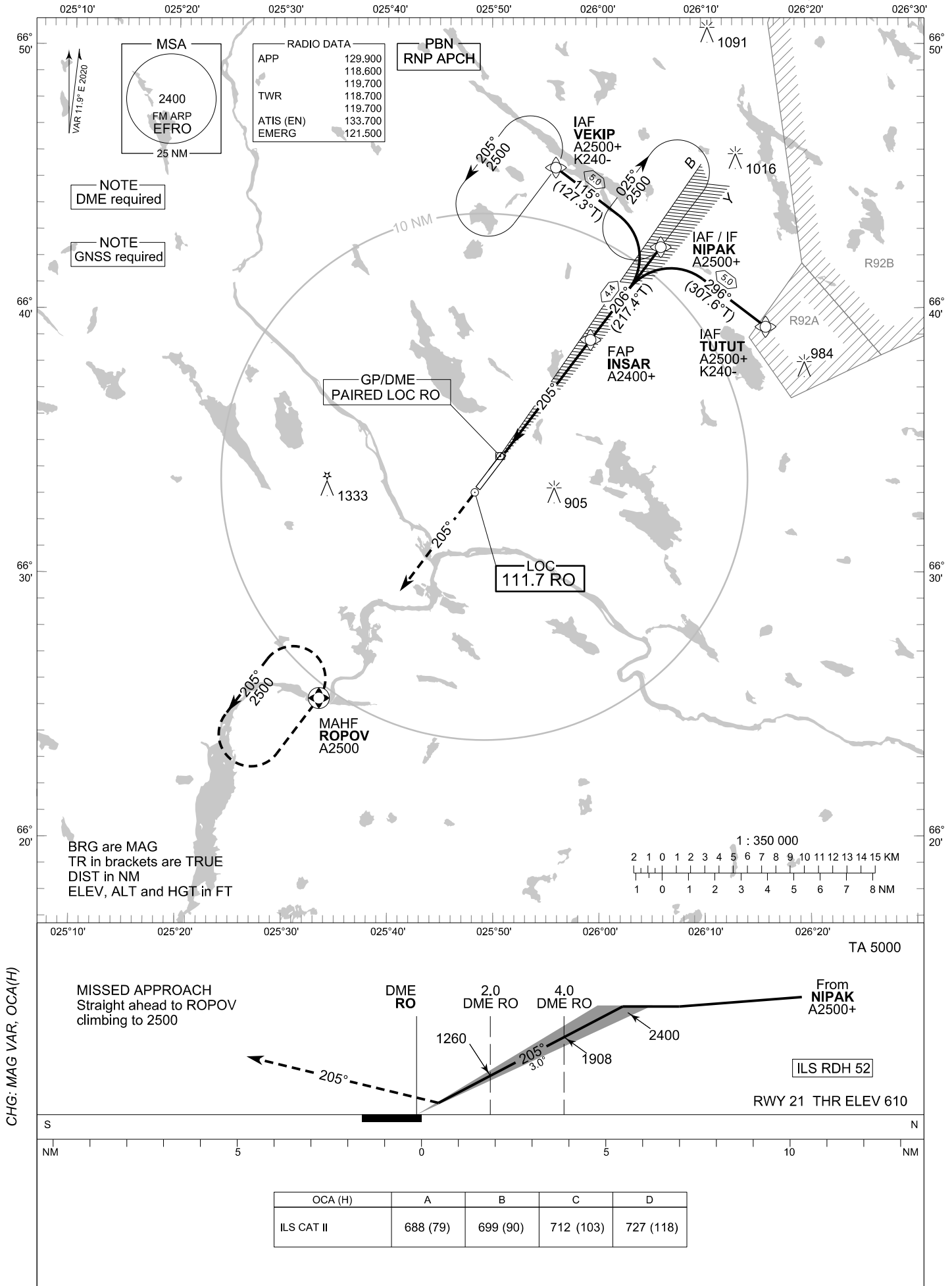


**INSTRUMENT
APPROACH CHART - ICAO**

ELEV 643 FT
HEIGHTS RELATED TO
THR RWY 21 ELEV 610 FT

**ILS Z RWY 21 CAT II
ROVANIEMI AERODROME
ROVANIEMI, FINLAND**



EFRO ILS Z RWY 21 CAT II										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
I21 TUTUT RNP APCH	005	IF	TUTUT	IAF	-	296°	5.0	L	A2500+	K240-
	010	TF	NIPAK	IF	-	307.6°T			206°	A2500+
	020	TF	INSAR	FAP	-	217.4°T	4.4		A2400+	
	-	-	-	-	-	-	-			
	040	CA	-	-	-	205°	216.9°T	-		A1100+
	050	DF	ROPOV	MAHF	Y	-	-			A2500

EFRO ILS Z RWY 21 CAT II										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
I21 NIPAK RNP APCH	010	IF	NIPAK	IAF/IF	-	206°	4.4		A2500+	
	020	TF	INSAR	FAP	-	217.4°T			A2400+	
	-	-	-	-	-	-	-			
	040	CA	-	-	-	205°	216.9°T	-		A1100+
	050	DF	ROPOV	MAHF	Y	-	-			A2500

EFRO ILS Z RWY 21 CAT II										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG GEO TR	DIST NM	Turn Direction	Constraints	
			ID	Type	Flyover				LVL	Speed
I21 VEKIP RNP APCH	005	IF	VEKIP	IAF	-	115°	5.0	R	A2500+	K240-
	010	TF	NIPAK	IF	-	127.3°T			206°	A2500+
	020	TF	INSAR	FAP	-	217.4°T	4.4		A2400+	
	-	-	-	-	-	-	-			
	040	CA	-	-	-	205°	216.9°T	-		A1100+
	050	DF	ROPOV	MAHF	Y	-	-			A2500

RNAV Holdings							
ID	INBD TR	INBD MAG	Turn Direction	MAX IAS	MNM HLDG LVL	TIME	DIST NM
NIPAK	217.2°T	205°	Right	230 KT	A2500	1 MIN	-
VEKIP	037.1°T	025°	Left	230 KT	A2500	1 MIN	-
ROPOV	037.2°T	025°	Left	230 KT	A2500	1 MIN	-

WPT COORD
SEE PAGE EFRO AD 2.15 - 1

FINAL APPROACH PARAMETERS			
LOC Gradient	ILS		RDH
	CAT	GPA	
-	II	3.00°	52 FT