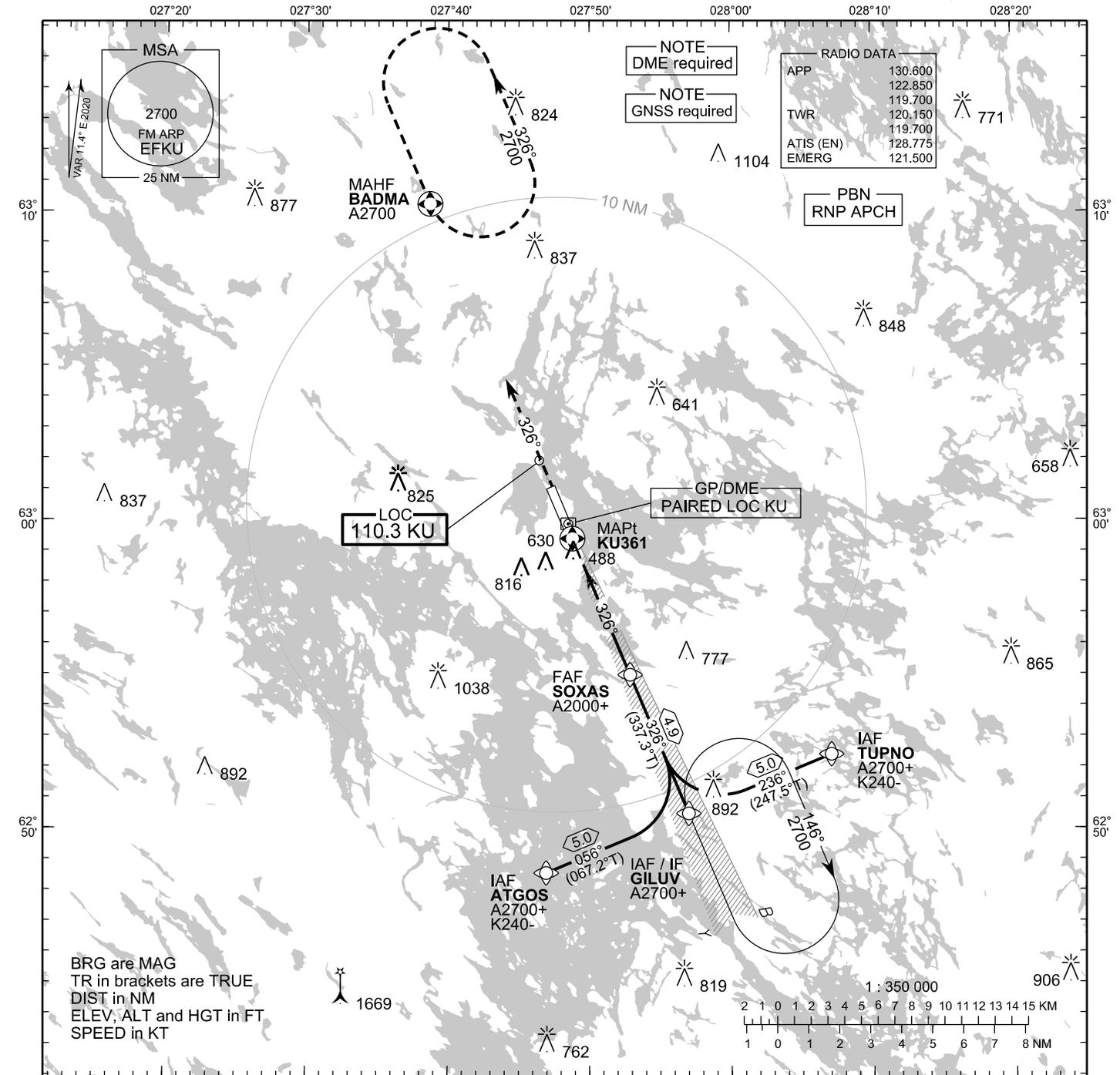


**INSTRUMENT
APPROACH CHART - ICAO**

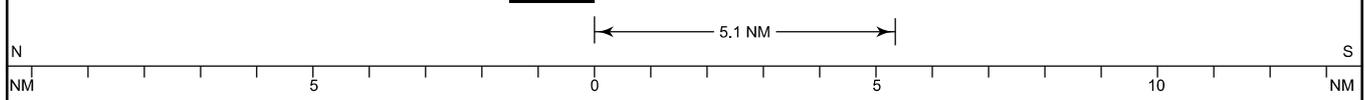
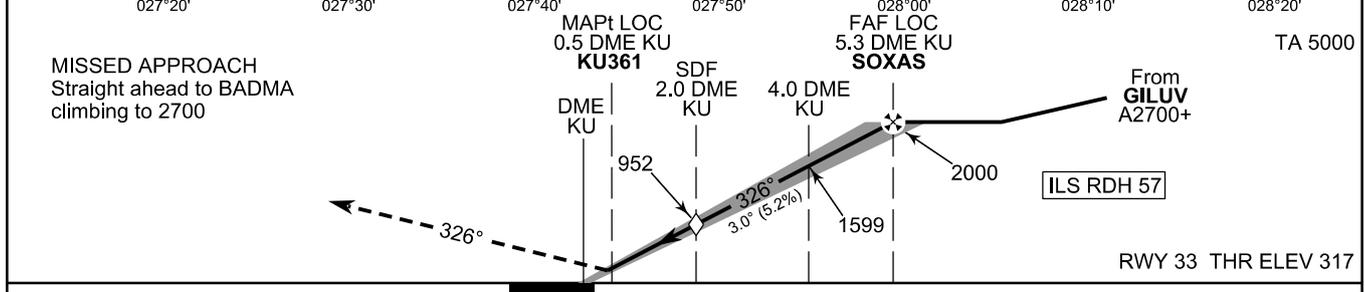
ELEV 324 FT
HEIGHTS RELATED TO
THR RWY 33 ELEV 317 FT

**ILS Z or LOC Z RWY 33
KUOPIO AERODROME
KUOPIO, FINLAND**



BRG are MAG
TR in brackets are TRUE
DIST in NM
ELEV, ALT and HGT in FT
SPEED in KT

CHG: ATIS FREQ



OCA (H)	A	B	C	D
ILS CAT I	469 (153)	479 (163)	491 (175)	503 (187)
LOC	730 (410)			
LOC WO SDF	950 (640)			
Circling	930 (610)	1120 (790)	1210 (890)	1220 (900)

	kt	90	100	120	140	160
FAF - MAPt 4.8 NM	min:sec	3:12	2:53	2:24	2:04	1:48
Rate of descent	ft/min	480	530	640	740	850

Timing not authorized for defining the MAPt

EFKU ILS Z or LOC Z RWY 33										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG	GEO TR	DIST NM	Constraints	
			ID	Type	Flyover				LVL	Speed
I33 ATGOS RNP APCH	005	IF	ATGOS	IAF	-	056°	067.2°T	5.0	A2700+	K240-
	010	TF	GILUV	IF	-				326°	337.3°T
	020	TF	SOXAS	FAF LOC	-	A2000+				
	030	TF	KU361	MAPt LOC	Y			326°		
	040	CA	-	-	-	-	-		-	A2700
	050	DF	BADMA	MAHF	Y					

EFKU ILS Z or LOC Z RWY 33										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG	GEO TR	DIST NM	Constraints	
			ID	Type	Flyover				LVL	Speed
I33 GILUV RNP APCH	010	IF	GILUV	IAF/IF	-	326°	337.3°T	4.9	A2700+	
	020	TF	SOXAS	FAF LOC	-				326°	337.4°T
	030	TF	KU361	MAPt LOC	Y	A800+				
	040	CA	-	-	-			-		
	050	DF	BADMA	MAHF	Y					

EFKU ILS Z or LOC Z RWY 33										
PROC ID NAV SPEC	SEQ NR	P/T	WPT			MAG	GEO TR	DIST NM	Constraints	
			ID	Type	Flyover				LVL	Speed
I33 TUPNO RNP APCH	005	IF	TUPNO	IAF	-	236°	247.5°T	5.0	A2700+	K240-
	010	TF	GILUV	IF	-				326°	337.3°T
	020	TF	SOXAS	FAF LOC	-	A2000+				
	030	TF	KU361	MAPt LOC	Y			326°		
	040	CA	-	-	-	-	-		-	A2700
	050	DF	BADMA	MAHF	Y					

RNAV Holdings							
ID	INBD TR	INBD MAG	Turn Direction	Speed	MNM HLDG LVL	TIME	DIST NM
GILUV	337.2°T	326°	Right	K230-	A2700	1 MIN	-
BADMA	157.2°T	146°	Left	K230-	A2700	1 MIN	-

WPT COORD
SEE PAGE EFKU AD 2.15 - 1

FINAL APPROACH PARAMETERS			
LOC Gradient	ILS		RDH
	CAT	GPA	
5.24 % (3.00°)	I	3.00°	57 FT