

**INSTRUMENT  
APPROACH  
CHART - ICAO**

**AERODROME ELEV 57 FT  
HEIGHTS RELATED TO  
THR RWY 02 - ELEV 36 FT**

**RANONG / Ranong (VTSR)  
RNP RWY02**

**TABULAR DESCRIPTION**

**WAYPOINT LIST**

RNP RWY02											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/TCH	Navigation Specification
010	IF	GAYOU	-	-	0.7		-	@7000	-	-	RNP APCH
020	TF	MINTA	-	230*(229.03°)	0.7	9.2	-	@6000	-	-	RNP APCH
030	TF	KOKAM	-	230*(229.01°)	0.7	24.0	L	@6000	-	-	RNP APCH
040	TF	GAPER (IAF)	-	204*(203.73°)	0.7	5.0	L	@5000	-	-	RNP APCH
050	TF	RUNTA (IF)	-	114*(113.73°)	0.7	8.0	-	@3400	-	-	RNP APCH
010	IF	KAOYA	-	-	0.7	-	-	@7000	-	-	RNP APCH
020	TF	GOWHA (IAF)	-	341*(340.12°)	0.7	8.8	R	@5400	-	-	RNP APCH
030	TF	RUNTA (IF)	-	024*(023.74°)	0.7	4.9	-	@3400	-	-	RNP APCH
010	IF	NEETA	-	-	0.7	-	-	@7000	-	-	RNP APCH
020	TF	RAKSA (IAF)	-	285*(284.76°)	0.7	12.5	R	@5600	-	-	RNP APCH
030	TF	RUNTA (IF)	-	294*(293.77°)	0.7	10.0	-	@3400	-	-	RNP APCH
010	IF	RUNTA (IF)	-	-	0.7	-	-	@3400	-	-	RNP APCH
020	TF	UNNSF (FAF)	-	024*(023.75°)	0.7	6.4	-	@2000	-	-	RNP APCH
030	TF	UNNHM MAP1 (CG 2.5%) (2.4 NM FM THR 02)	Y	024*(023.75°)	0.7	3.6	L	@850	-170	-	RNP APCH
040	CF	UNDAR	-	012*(011.36°)	0.7	7.0	L	+1500	-200	-	RNP APCH
050	TF	MANAM	-	281*(280.79°)	0.7	7.0	L	+4000	-	-	RNP APCH
060	TF	FASAI	-	226*(224.93°)	0.7	14.0	-	@5000	-	-	RNP APCH
070	HM	FASAI	Y	074*(073°.44)	0.7	-	L	+5000	-	-	RNP APCH
010	IF	RUNTA (IF)	-	-	0.7	-	-	@3400	-	-	RNP APCH
020	TF	UNNSF (FAF)	-	024*(023.75°)	0.7	6.4	-	@2000	-	-	RNP APCH
030	TF	UNNLM MAP1 (CG 5.0%) (2.2 NM FM THR 02)	Y	024*(023.75°)	0.7	3.8	L	@780	-170	-	RNP APCH
040	CF	UNDAR	-	012*(011.00°)	0.7	6.8	L	+1500	-200	-	RNP APCH
050	TF	MANAM	-	281*(280.79°)	0.7	7.0	L	+4000	-	-	RNP APCH
060	TF	FASAI	-	226*(224.93°)	0.7	14.0	-	@5000	-	-	RNP APCH
070	HM	FASAI	Y	074*(073°.44)	0.7	-	L	+5000	-	-	RNP APCH
010	IF	FASAI	-	-	0.7	-	-	@5000	-	-	RNP APCH
020	TF	GAPER	-	137*(136.69°)	0.7	5.7	L	@5000	-	-	RNP APCH
030	TF	RUNTA (IF)	-	114*(113.73°)	0.7	8.0	-	@3400	-	-	RNP APCH

RNP RWY02		
Waypoint Identifier	Coordinates	
GAYOU	10 04 31.00 N	098 49 54.79 E
MINTA	09 58 27.09 N	098 42 52.11 E
KOKAM	09 42 35.40 N	098 24 28.72 E
GAPER	09 37 59.53 N	098 22 26.39 E
KAOYA	09 21 56.02 N	098 30 53.18 E
GOWHA	09 30 15.05 N	098 27 51.39 E
NEETA	09 27 30.64 N	098 51 21.36 E
RAKSA	09 30 42.56 N	098 39 07.01 E
RUNTA	09 34 45.42 N	098 29 51.20 E
UNNSF	09 40 38.56 N	098 32 27.72 E
UNNHM	09 43 57.18 N	098 33 55.80 E
UNNLM	09 44 08.22 N	098 34 00.70 E
UNDAR	09 50 48.28 N	098 35 19.08 E
MANAM	09 52 06.56 N	098 28 27.74 E
FASAI	09 42 08.62 N	098 18 26.53 E