VTCP AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTCP - PHRAE / PHRAE AIRPORT

VTCP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	180754.17N 1000952.62E
2	Direction and distance from (city)	3 KM E, from city
3	Elevation/Reference temperature	538 FT/27°C
4	Geoid Undulation at AD ELEV PSN	NIL
5	MAG VAR/Annual change	0.80°W (2016)/0.00°E
6	AD Administration, address, telephone, telefax, telex, AFS	Director of Phrae Airport Phrae Airport 72 Chohae Road, Tambon Nachack Amphoe Muangphrae, Phrae Province 54000 Thailand Tel: +665 451 1184 +665 452 2706 Fax: +665 452 2705 AFS: VTCPYDYX
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Operator: Department of Airports

VTCP AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	2300-1100
2	Customs and immigration	NIL
3	Health and sanitation	NIL
4	AIS Briefing Office	HJ
5	ATS Reporting Office (ARO)	NIL
6	MET Briefing Office	NIL
7	ATS	2300-1100
8	Fuelling	NIL
9	Handling	NIL
10	Security	NIL
11	De-icing	NIL
12	Remarks	NIL

VTCP AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel/oil types	NIL
3	Fuelling facilities/capacity	NIL
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	NIL

VTCP AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	In the city
3	Transportation	NIL
4	Medical facilities	NIL
5	Bank and Post Office	NIL
6	Tourist Office	NIL
7	Remarks	NIL

VTCP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 5
2	Rescue equipment	Yes
3	Capability for removal of disabled aircraft	NIL
4	Remarks	NIL

VTCP AD 2.7 SEASONAL AVAILABILITY - CLEARING

1	Types of clearing equipment	NIL
2	Clearance priorities	NIL
3	Remarks	The aerodrome is available all seasons.

VTCP AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSTIONS DATA

1	Apron surface and strength	Surface: Concrete and asphalt Strength: PCN 20/F/C/X/T
2	Taxiway width, surface and strength	Width: 15 M Surface: Concrete and asphalt Strength: PCN 20/F/C/X/T
3	Altimeter checkpoint location and elevation	NIL
4	VOR checkpoints	NIL
5	INS checkpoints	NIL
6	Remarks	NIL

VTCP AD 2.9 SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM AND MARKINGS

1	Use of aircraft stand ID signs, TWY guide lines and visual docking/parking guidance system of aircraft stands	NIL
2	RWY and TWY markings and LGT	RWY and TWY: Markings and lighted
3	Stop bars	NIL
4	Remarks	NIL

VTCP AD 2.10 AERODROME OBSTACLES

In approach/TKOF areas			In circling areas and at AD		Remarks
1			2		3
RWY/Area affected	Obstacle type Elevation Markings/LGT	Coordinates	Obstacle type Elevation Markings/LGT	Coordinates	
a	b	c	a	b	
-	Radio mast HGT 75 M painted red/white LGTD on top	10840N 1000850E	NIL	NIL	NIL
-	Radio mast HGT 80 M	1881036N 1001116E	NIL	NIL	NIL

VTCP AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Aeronautical Meteorological Station-Phrae, Northern Meteorological Center, Thai Meteorological Department (TMD)
2	Hours of service MET Office outside hours	0000-1100 NIL
3	Office responsible for TAF preparation Periods of validity	Supply TAF from Northern Meteorological Center 24 HR
4	Type of landing forecast Interval of issuance	TREND 1 HR
5	Briefing/consultation provided	Personal Consultation Tel: +665 453 1307 ext. 4508
6	Flight documentation Language(s) used	NIL
7	Charts and other information available for briefing or consultation	S, U85, Daily Weather Forecast, satellite and radar images
8	Supplementary equipment available for providing information	Automated Weather Observation System (AWOS)
9	ATS units provided with information	Phrae TWR
10	Additional information (limitation of service, etc.)	NIL

VTCP AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY(M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end coordinates THR geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
01	005.39°	1500x30	PCN 20/F/C/X/T Concrete and asphalt	180731.41N 1000950.31E	THR 538 FT TDZ 538 FT
19	185.39°	1500x30	PCN 20/F/C/X/T Concrete and asphalt	180820.20N 1000955.27E	THR 535 FT TDZ 537 FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
NIL	75x30	NIL	1770x150	NIL	NIL

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
NIL	75x30	NIL	1770x150	NIL	NIL

VTCP AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
01	1500	1500	1575	1500	NIL
19	1500	1500	1575	1500	NIL

VTCP AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Designator	APCH LGT type LEN INTST	THR LGT colour WBAR	VASIS (MEHT) PAPI	TDZ, LGT LEN	RWY Centre Line LGT Length, spacing, colour, INTST	RWY edge LGT LEN, spacing, colour INTST	RWY End LGT colour WBAR	SWY LGT LEN (M) colour	Remarks
1	2	3	4	5	6	7	8	9	10
01	NIL	Green	PAPI Left 3° (44.98 FT)	NIL	NIL	1500 M 55.56 M White, LIM	Red	75 M Red	NIL
19	NIL	Green	PAPI Left 3.2° (45.77 FT)	NIL	NIL	1500 M 55.56 M White, LIM	Red	75 M Red	NIL

VTCP AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: At Tower Building FLG W G EV 7 SEC
2	LDI location and LGT Anemometer location and LGT	NIL
3	TWY edge and centre line lighting	EDGE: All TWY
4	Secondary power supply/switch-over time	Secondary power supply to all lighting at the airport Switch-over time: 15 SEC.
5	Remarks	Flares 2 HR PN

VTCP AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO Geoid undulation	NIL
2	TLOF and/or FATO elevation M/FT	NIL
3	TLOF and FATO area dimensions, surface, strength, marking	NIL
4	True and MAG BRG of FATO	NIL
5	Declared distance available	NIL
6	APP and FATO lighting	NIL
7	Remarks	NIL

VTCP AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	A circle of 5 NM radius centred on Phrae DVOR/DME (180802.78N 1000958.35E)
2	Vertical limits	2000 FT/AGL
3	Airspace classification	C
4	ATS unit call sign Language(s)	Phrae Tower English, Thai
5	Transition altitude	11000 FT
6	Remarks	NIL

VTCP AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Phrae Approach	120.1 MHZ	23:00-11:00	*Emergency freq.
TWR	Phrae Tower	*121.5 MHZ 118.6 MHZ 236.6 MHZ	23:00-11:00	Primary Freq (Upper Side band), Secondary Freq (Upper Side band).
G/A/G	Phrae Radio	6667 KHZ 5520 KHZ	23:00-11:00	
ATIS		340.0 KHZ	23:00-11:00	

VTCP AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/ MLS, give VAR)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB	PR	340KHZ	H24	180746.14N 1000940.91E		Out put 400 watts NDB unusable due to excessive needle swing, bearing -040º -360º counter clock wise altitude below 7000 FT -359º -259º counter clock wise altitude below 6000 FT -260º -199º counter clock wise altitude below 8000 FT -200º -179º counter clock wise altitude below 5000 FT -180º -039º counter clock wise altitude below 8000 FT

Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/ MLS, give VAR)	ID	Frequency	Hours of operation	Position of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
DVOR/DME	PAE	111.8MHZ CH55X	H24	180802.78N 1000958.35E		DVOR/DME restriction due to mountainous terrain surround DVOR/DME station coverage check does not provide adequate signal to 40 NM at the required altitude in various areas as follow: - RDL 055-080 DEG at 40 NM ALT should not below 9 000 FT. - RDL 081-160 DEG at 40 NM ALT should not below 11 000 FT. - RDL 161-180 DEG at 40 NM ALT should not below 8 000 FT. - RDL 181-350 DEG at 40 NM ALT should not below 6 000 FT. - RDL 351-054 DEG at 40 NM ALT should not below 6 500 FT.

VTCP AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VTCP AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VTCP AD 2.22 FLIGHT PROCEDURES

NIL

VTCP AD 2.23 ADDITIONAL INFORMATION

NIL

VTCP AD 2.24 CHARTS RELATED TO AN AERODROME

Chart name	Page
Aerodrome Chart - ICAO	AD 2-VTCP-2-1
Instrument Approach Chart - ICAO - RNAV (GNSS) RWY 01	AD 2-VTCP-8-1
Instrument Approach Chart - ICAO - RNAV (GNSS) RWY 01 (Tabular description)	AD 2-VTCP-8-2

AERODROME CHART - ICAO

18 07 54 N
100 09 53 E

ELEV 538 FT

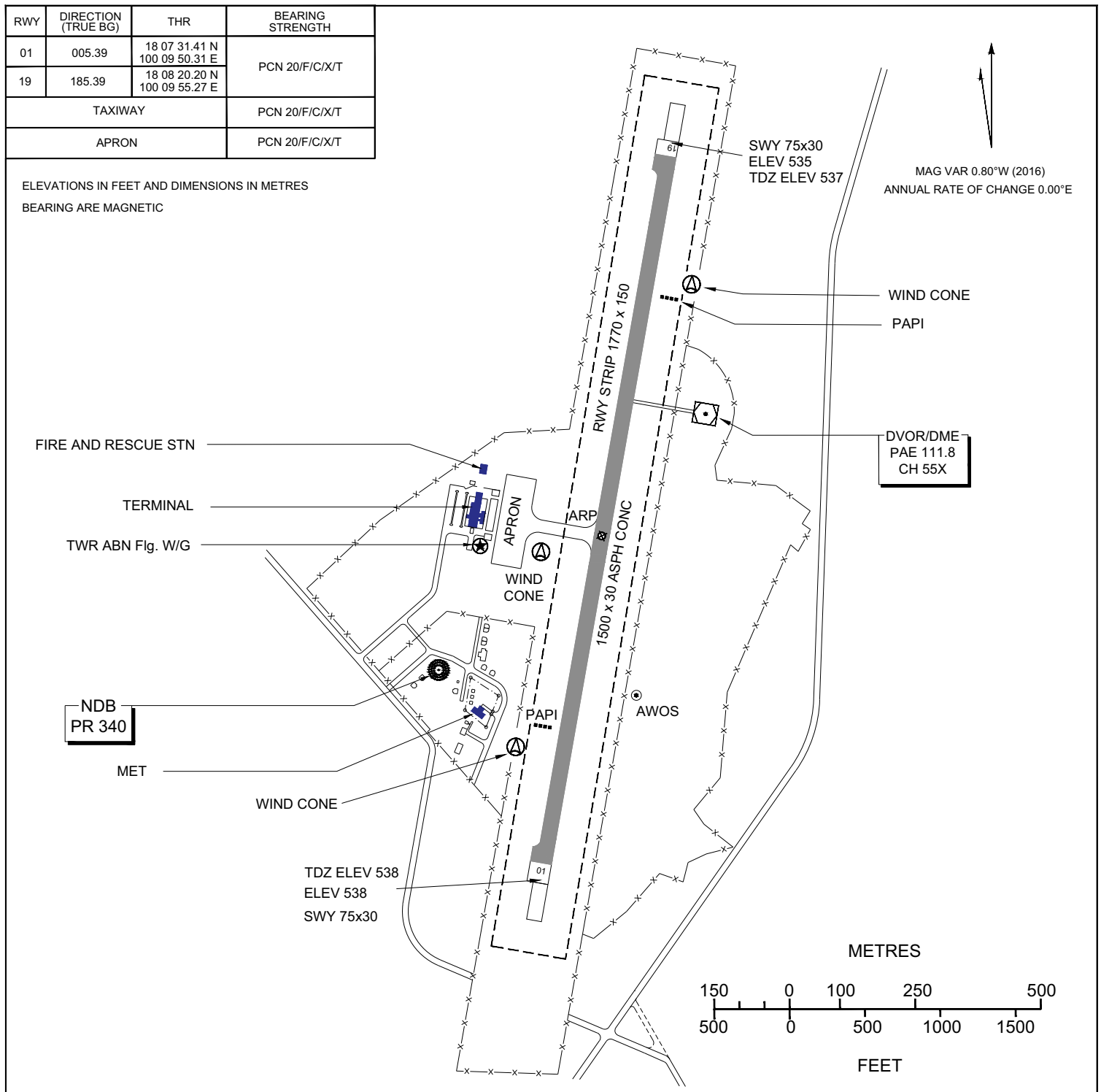
TWR 118.60 236.60

PHRAE / Phrae

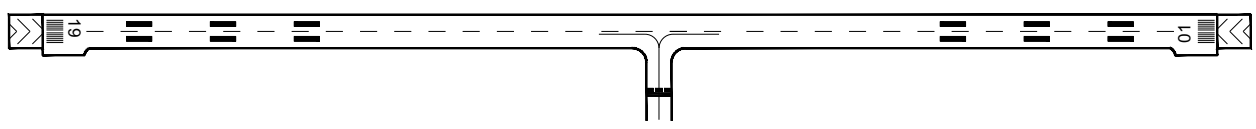
RWY	DIRECTION (TRUE BG)	THR	BEARING STRENGTH
01	005.39	18 07 31.41 N 100 09 50.31 E	PCN 20/F/C/X/T
19	185.39	18 08 20.20 N 100 09 55.27 E	
TAXIWAY			PCN 20/F/C/X/T
APRON			PCN 20/F/C/X/T

ELEVATIONS IN FEET AND DIMENSIONS IN METRES

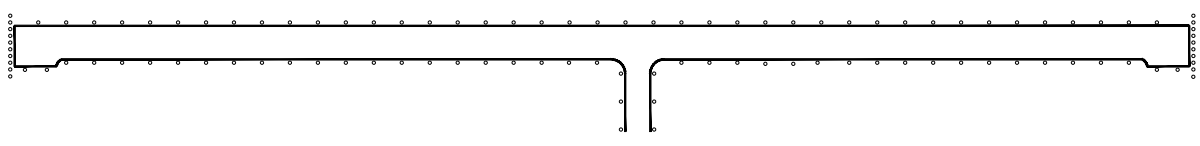
BEARING ARE MAGNETIC



MARKING AIDS RWY 01/19 AND EXIT TWY



LIGHTING AIDS RWY 01/19 AND EXIT TWY



CHANGE :REVISED CHART. MAG VAR. ANNUAL RATE OF CHANGE. TABULAR INFO. PAPI. WIND CONE ADDED. AWOS ADDED. FENCE ADDED.

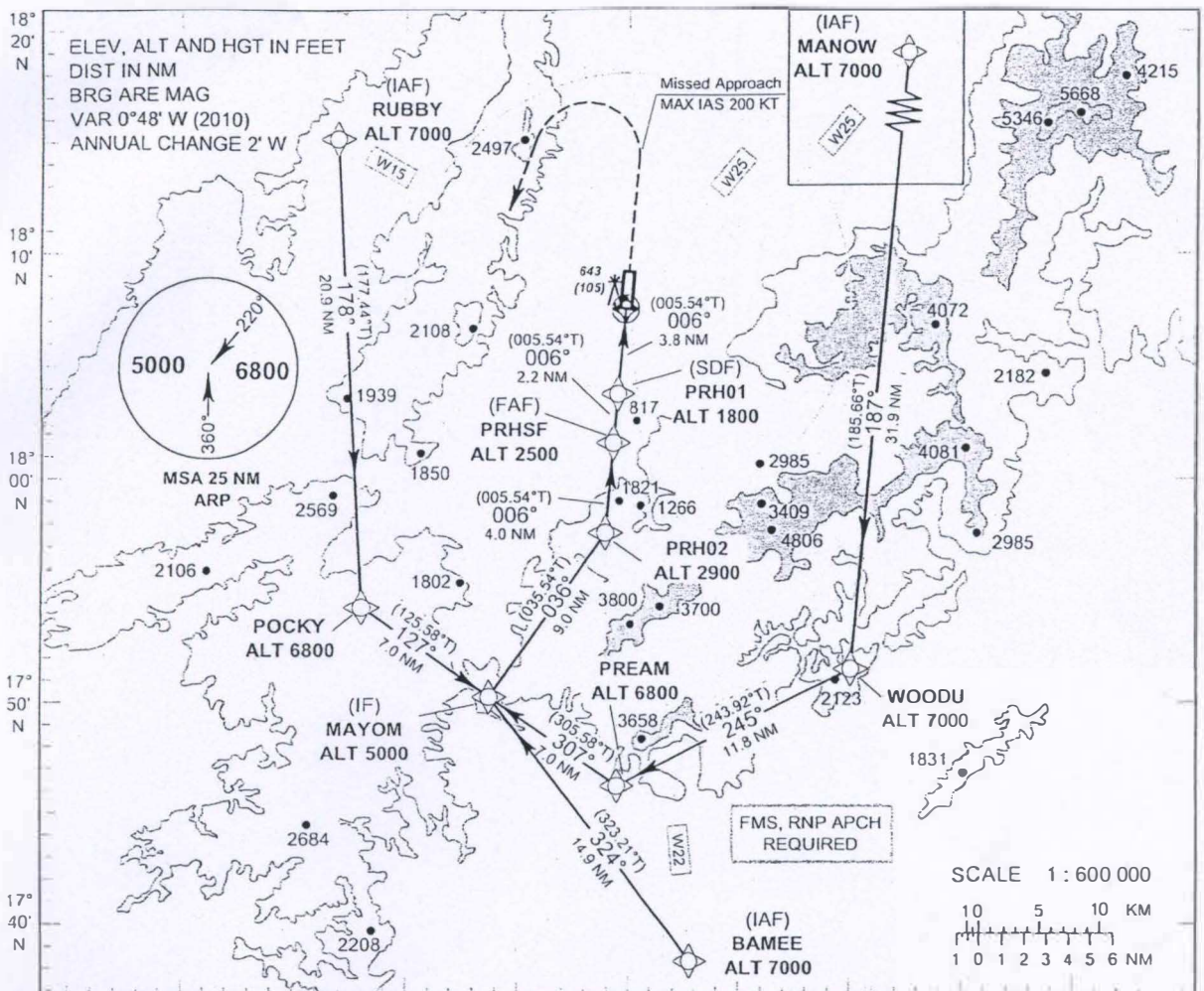
INTENTIONALLY BLANK

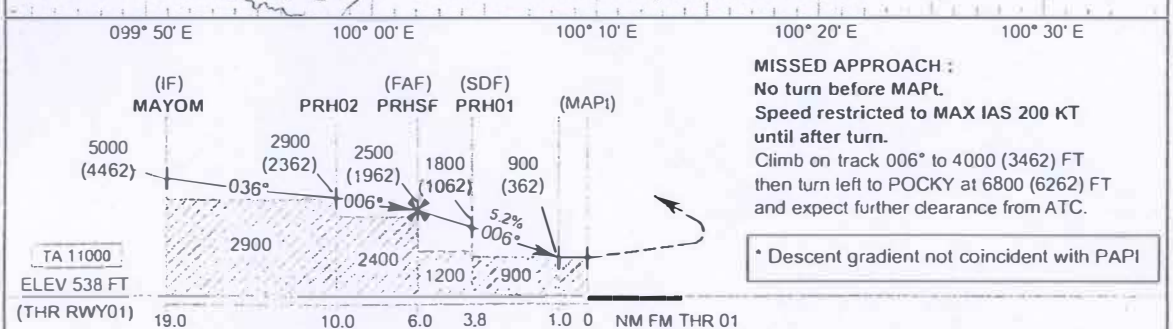
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 538 FT
HEIGHTS RELATED TO AERODROME ELEV

APP : 120.1
TWR : 118.6

PHRAE/ Phrae (VTCP)
RNAV (GNSS) RWY 01





MISSED APPROACH :
No turn before MAPt.
Speed restricted to MAX IAS 200 KT until after turn.
Climb on track 006° to 4000 (3462) FT then turn left to POCKY at 6800 (6262) FT and expect further clearance from ATC.

* Descent gradient not coincident with PAPI

OCA/H	A	B	C	NM to THR 01	FAF	5 NM	4 NM	3 NM	2 NM	1 NM
LNAV	900 (362)			Altitude (Height)	2500 (1962)	2170 (1632)	1850 (1312)	1535 (997)	1220 (682)	900 (362)
				Ground speed (GS)	knot	100	120	140	160	180	200
Circling (OCH AAL)	1200 (662)			Rate of descent	(ft/min)	530	630	740	845	950	1055

PH **RAE/ Phrae (VTCP)**

RNAV (GNSS) RWY01

Serial Number	Path Descriptor	Waypoint Identifier	WGS-84 Coordinates		Flyover	Course 0M (°T)	Magnetic /ariatio n	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPN TCH	Navigation Specification
			Latitude	Longtitude									
001	IF	BAMEE(IAF)	17 38 09.59 N	100 12 43.43 E	-	324'(32 3.21i	0.93	14.9	-	7000	-	-	RNPAPCH
002	IF	MANOW (/AF)	18 23 08.23 N	100 23 42.42 E	-	187'(18 5.66j	0.93	31.9	-	7000	-	-	RNPAPCH
004	TF	WOODU	17 51 18.24 N	100 20 24.72 E	-	245'(243.92j	0.93	11.8	R	7000	-	-	RNPAPCH
005	TF	PREAM	17 46 05.42 N	100 09 18.39 E	-	307'(305.58j	0.93	7.0	R	6800	-	-	RNPAPCH
003	IF	RUBBY (/AF)	18 15 13.65 N	099 56 23.10 E	-	178'(177.44j	0.93	20.9	-	7000	-	-	RNPAPCH
006	TF	POCKY	175415.74N	099 57 21.95 E	-	127'(125.58j	0.93	7.0	L	6800	-	-	RNPAPCH
007	TF	MAYOM (IF)	17 50 10.67 N	100 03 20.31 E	-	036'(035.54j	0.93	9.0	L, R	5000	-	-	RNPAPCH
008	TF	PRH02	17 57 31.85 N	100 08 49.42 E	-	006'(005.54j	0.93	4.0	L	2900	-	-	RNPAPCH
009	TF	PRHSF (FAF)	18 01 31.68 N	100 09 13.76 E	-	006'(00 5.54j	0.93	2.2	-	2500	-	-	RNPAPCH
010	TF	PRH01 (SDF)	18 03 43.53 N	100 09 27.15 E	-	006'(00 5.54j	0.93	3.8	-	1800	-	-	RNPAPCH
011	-	MAPt (THR01)	180731.41N	100 09 50.31 E	y	-	0.93	-	-	900	200	-	RNPAPCH
012	CA	-	-	-	-	006'(005.54j	0.93	-	L	4000	-	-	RNPAPCH
013	CF	POCKY	17 54 15.74 N	099 57 21.95 E	-	-	0.93	-	L	6800	-	-	RNPAPCH