VTSM AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTSM - SURAT THANI / SAMUI AIRPORT

VTSM AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	093256N 1000345E Centre line of RWY, 860 M from THR 35
2	Direction and distance from (city)	17 KM, from city
3	Elevation/Reference temperature	19.5 M (64 FT) / 31.6°C
4	Geoid Undulation at AD ELEV PSN	NIL
5	MAG VAR/Annual change	0°22'W(2018)/0°1'E/year
6	AD Administration, address, telephone, telefax, telex, AFS	Director of Samui Airport Samui Airport Amphoe Koh Samui Surat Thani Province 84320 Thailand Tel: +667 742 8580 Fax: +667 725 6270 E-mail: samuiairport@bangkokair.com, samui_adminairport@bangkokair.com Website:www.samuiairport.com AFS: VTSMYDYX
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Operator: Bangkok Airways Public Company Limited

VTSM AD 2.3 OPERATIONAL HOURS

1	Aerodrome Operator	2300-1500
2	Customs and immigration	Available within AD hours
3	Health and sanitation	Available within AD hours
4	AIS Briefing Office	NIL
5	ATS Reporting Office (ARO)	2300-1500
6	MET Briefing Office	NIL
7	ATS	2300-1500
8	Fuelling	Available within AD hours
9	Handling	Available within AD hours
10	Security	H24
11	De-icing	NIL
12	Remarks	NIL

VTSM AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	NIL
2	Fuel/oil types	JET A1
3	Fuelling facilities/capacity	Bangkok Aviation Fuel Service Public Co.,Ltd. (BAFS) Website: www.bafsthai.com Tel: +662 834 8954 Regional Airport Manager Email: teerakan@bafs.co.th Tel. +668 9134 5690 1 Fuel Truck @ 15,000 L 2 Fuel Trucks @ 12,000 L
4	De-icing facilities	NIL
5	Hangar space for visiting aircraft	NIL
6	Repair facilities for visiting aircraft	NIL
7	Remarks	The airport has provided ground handling agents as following: Bangkok Airways Ground Services Co., Ltd (PGGS) Ground Handling Inquiry E-mail: office@pg-gs.com, phuwanai@pg-gs.com, phornphan@pg-gs.com Phone: +668 1065 8400 and +666 5269 1515

VTSM AD 2.5 PASSENGER FACILITIES

1	Hotels	In the vicinity of AD
2	Restaurants	At AD
3	Transportation	Limousine service Car rental service
4	Medical facilities	First aid at AD
5	Bank and Post Office	Money Exchange: Available Post Office: NIL
6	Tourist Office	Tourist Office Centre (Office in town) Open H24 Phone: +667 743 0018 Airport Emergency Tourist Police Centre At AD Open: 0200-1000
7	Remarks	NIL

VTSM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 6
2	Rescue equipment	1 Rescue vehicle
3	Capability for removal of disabled aircraft	Available up to A319
4	Remarks	For removal of disabled aircraft by contracted external resource, please contact aerodrome coordinator: - Airport Rescue and Fire Fighting Manager Tel: +668 1956 6655 - Airport Fire Station Tel: +667 742 8526

VTSM AD 2.7 SEASONAL AVAILABILITY - CLEARING

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

VTSM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS/POSITIONS DATA

1	Apron surface and strength	Surface: Concrete Strength: PCN 42/R/D/X/T
2	Taxiway width, surface and strength	Taxiway A, B, C, D, E and F Width: 30 M Surface: Concrete Strength: PCN 42/R/D/X/T
3	Altimeter checkpoint location and elevation	NIL
4	VOR checkpoints	NIL
5	INS checkpoints	NIL
6	Remarks	NIL

VTSM 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	Taxi guidance signs and guide lines at TWY and Apron
2	RWY and TWY markings and LGT	RWY: Marked and lighted
3	Stop bars	NIL
4	Remarks	NIL

VTSM 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**	
RWY17/APCH	Building 28.5 M (93.5 FT) No Markings No LGT	093335.23N 1000346.24E	Hill 630 M	093324N 1000423E	See Aerodrome obstacle chart type A for details
RWY35/TKOF	Building 40 M (131 FT) No Markings No LGT	093415.23N 1000334.55E			

VTSM AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Aeronautical Meteorological Station-Samui, Southern East-Coast Meteorological Center, Thai Meteorological Department (TMD)
2	Hours of service MET Office outside hours	2200-1500 NIL
3	Office responsible for TAF preparation Periods of validity	Supply TAF from Southern East-Coast Meteorological Center 24 HR
4	Type of landing forecast Interval of issuance	TREND 1 HR
5	Briefing/consultation provided	Personal Consultation Tel: +667 742 8520
6	Flight documentation Language(s) used	Thai/English
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	Barometer, Anemometer and Thermometer Screen
9	ATS units provided with information	Samui TWR
10	Additional information (limitation of service, etc.)	NIL

VTSM 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 THE geoid undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
17	174.48°	2100x45	PCN 38/F/B/W/T Concrete and asphalt	093319.40N 1000342.26E	43 FT
35	354.48°	2100x45	PCN 38/F/B/W/T Concrete and asphalt	093227.55N 1000347.31E	56 FT

Slope of RWY-SWY	SWY dimensions (M)	CWY dimensions (M)	Strip dimensions (M)	OFZ	Remarks
7	8	9	10	11	12
0% / 0.8% 1300 M / 800 M	225x45	60x45	2085x150	NIL	See below
-0.8% / 0% 800 M / 1300 M (See of Type A chart)	60x45	60x45	2020x150	NIL	See below

Remarks

Infringement of RWY strips

Infringement maximum of 52.5 M start at 376 M to 480 M from runway threshold 35, located on left side of runway 35.

VTSM AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (M)	TODA (M)	ASDA (M)	LDA (M)	Remarks
1	2	3	4	5	6
17	1800	1860	2025	1825	NIL
35	1900	1960	1960	1660	NIL

VTSM 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
17	NIL	Green	PAPI Right 3° (47.53 FT)	White 2 Pairs 646M	2100 M,30 M White FM 0-1200 M, Red/White FM 1200-1800 M, Red FM 1800-2100 M, LIH	2100 M,60 M Red FM 0-200 M, White FM 200-1400 M, Yellow FM 1400-2100 M, LIH	Red	NIL	RTIL
35	NIL	Green	PAPI Left 3.2° (46.35 FT)	White 2 Pairs 647M	2100 M,30 M White FM 0-1200 M, Red/White FM 1200-1800 M, Red FM 1800-2100 M, LIH	2100 M,60 M Red FM 0-300 M, White, FM 300-1300 M, Yellow FM 1300-2100 M, LIH	Red	NIL	RTIL

VTSM AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation	ABN: at Control Tower FLG/WG. EV 3 Sec 2300-1500
2	LDI location and LGT Anemometer location and LGT	LDI: 3 Wind cone with illumination at THR 17, 500 M and 800 M from THR 17 and 180 M from THR 35 Anemometer: At MET Station 410 M from THR 17
3	TWY edge and centre line lighting	TWY edge Lighted
4	Secondary power supply/switch-over time	Electrical Generator / 0 Sec (UPS)
5	Remarks	NIL

VTSM 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

VTSM AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	A circle of 5 NM radius centred on SAMUI NDB (093314.01N 1000335.65E)
2	Vertical limits	2000 FT/AGL
3	Airspace classification	D
4	ATS unit call sign Language(s)	Samui Tower English, Thai
5	Transition altitude	11000 FT
6	Remarks	NIL

VTSM AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Samui Approach	129.6 MHZ / 305.4 MHZ 121.5 MHZ [1)]	As AD OPR HR	1) Emergency frequency
TWR	Samui Tower	118.9 MHZ 121.5 MHZ [1)]	As AD OPR HR	
GND	Samui Ground	121.9 MHZ	As AD OPR HR	
ATIS	Samui Airport	128.6 MHZ	As AD OPR HR	

VTSM AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, MAG VAR CAT of ILS/MLS (For VOR/ILS/MLS, give declination)	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	SMU	117.6 MHZ CH123X	H24	093249.47N 1000342.27E	24M	DVOR/DME restriction due to mountainous terrain surround DVOR/DME station, coverage check does not provide adequate signal at required altitude in various areas as follows: – Radial 000º-015º beyond 25 NM altitude should not below 4 000 FT – Radial 016º-040º beyond 25 NM altitude should not below 6 000 FT – Radial 041º-060º beyond 20 NM altitude should not below 11 000 FT – Radial 061º-070º beyond 25 NM altitude should not below 9 000 FT – Radial 071º-120º beyond 40 NM altitude should not below 11 000 FT – Radial 121º-180º beyond 40 NM altitude should not below 5 000 FT – Radial 181º-210º beyond 25 NM altitude should not below 8 000 FT – Radial 211º-260º beyond 20 NM altitude should not below 9 000 FT – Radial 261º-280º beyond 25 NM altitude should not below 7 000 FT – Radial 281º-360º beyond 40 NM altitude should not below 8 000 FT
NDB	SM	316 KHZ	H24	093314.01N 1000335.65E		

VTSM AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VTSM AD 2.21 NOISE ABATEMENT PROCEDURES

1. ICAO Noise Abatement Departure Procedure RWY17/35

1.1 ICAO have developed aircraft operating procedures, Noise Abatement Departure Procedure 1 (NADP 1) and Noise Abatement Departure Procedure 2 (NADP 2), for the take-off climb to ensure that the necessary safety of flight operations is maintained whilst minimizing exposure to noise on the ground.

1.2 NADP 1 is intended to provide noise reduction for noise sensitive areas in close proximity to the departure end of the runway. NADP 2 provides noise reduction to areas more distant from the runway end.

1.3 All operators are to adopt NADP 1 procedures for all take-offs from Samui Airport on RWY17 or RWY35

1.4 Full details of NADP 1 and NADP 2 are contained in ICAO Procedures for Air Navigation Services – Aircraft Operations, Volume 1 – Flight Procedures (PANSOPS, Doc 8168 Volume 1).

1.5 For Propeller and Turboprop Aeroplane, after take-off Pilot-in-Command should aim to use an airspeed giving the best rate of climb.

2. Noise Mitigating Measures

2.1 The following procedures are implemented to reduce aircraft noise levels when operating conditions permit. These measures include:

a) Preferential use of Runway
b) APU Restrictions
c) Reverse Thrust Use

2.2 Preferential use of Runway

RWY35 for take-off and RWY17 for landing are preferentially to be used. However, in order to achieve maximum flight safety, this procedure is not applied under the following circumstances.

a) The use of other runway is necessary in consideration of safety of the aircraft operation.
b) The condition of the specified runway is not suitable for landing or take-off.
c) The tail wind component, including gusts, exceeds 5 KT.
d) The cross wind component, including gusts, exceeds 15 KT.
e) When the possibility exists that orderly flow of traffic may be impeded.

2.3 APU Restrictions

For noise abatement purposes, pilots are encouraged to limit Auxiliary Power Units (APU) use to the minimum time necessary. The maximum recommended APU run-time is (30) minutes.

2.4 Reverse Thrust Use

The use of reverse thrust may negatively impact the residential community surrounding the Samui Airport, particularly during night hours. The use of minimum reverse thrust necessary for safety is recommended consistent with runway conditions and available length.

3. Noise Level Limits

3.1 Noise Operating Restrictions

Under the Environmental Protection (Aircraft Noise) Regulations, international and domestic aircraft operating to/from Samui Airport are required to be certified as compliant with the relevant ICAO Annex 16 Volume I, Aircraft Noise.

– Subsonic jets must be certified as Chapter 3 or Chapter 4.
– Aircraft with Chapter 2 noise certification are not permitted to operate.

3.2 Marginally Compliant Chapter 3 (MCC3) Aircraft

The operations to flights which will be operated by subsonic jet aircraft that meet the Chapter 3 standards by a cumulative margin of not more than 5 EPNdB (Marginally Compliant Chapter 3 (MCC3) Aircraft) will be prohibited for take-off and landing at Samui Airport between 1100 UTC and 2359 UTC.

3.3 Exempted MCC3 Aircraft

MCC3 aircraft operated for emergency, medical and humanitarian purposes are exempted from the above restriction.

VTSM AD 2.22 FLIGHT PROCEDURES

1. SPEED CONTROL PROCEDURE IN SAMUI TMA

a) All arriving turbo-propeller and turbo-jet aircraft when flying below 10000 FT AMSL are subject to fly not faster than indicated air speed 250 knots unless authorized by ATC.
b) Speed will be reduced to 220 knots during 20-25 track miles from touchdown.
c) 180 knots at Intermediate fix (Including aircraft from RNAV STAR), or shortly before closing heading to intercept or to establish the final course,
d) 150 to 160 knots at FAP or FAF; all speed to be flown as accurately as possible. At the other times, speed control may be applied on a tactical basis to extent determined by ATC.
e) Pilots who unable to comply with the speed limits specifics above for reasons of flight safety and/or weather conditions should inform ATC and state the speed acceptable.
f) ATC will notify that the aircraft may keep its preferred speed without restriction and will use the phrase “NO SPEED RESTRICTIONS”. An instruction to notify that the aircraft need no longer comply with the previous issued speed restriction, the phrase “RESUME NORMAL SPEED” will be used.
g) All aircraft navigating under conditions of RNAV STARs shall conform to speed limitation as published then at IF pilot shall comply with speed control procedures unless otherwise instructed by ATC.
h) If the pilots do not comply, the flight shall follow ATC instruction for re-sequencing.

NOTE - an instruction to “RESUME NORMAL SPEED” does not cancel speed restrictions that applicable to published procedure of upcoming segments of flight, aircraft shall comply speed restrictions specified in a) b) c) and d)

2. IFR DEPARTURES OTHER THAN VIA SID

IFR departure procedures described below are determined for the purpose of case when an instrument departure via SID is impossible or undesirable.

3. VISUAL DEPARTURES

Visual departures during take-off and initial climb-out are permitted during the daytime and Visual Meteorological Conditions (VMC). ATC clearance to execute a visual departure may be issued upon request of the pilot or upon initiative of the ATC and accepted by the pilot.

To execute a visual departure

- meteorological conditions in the direction of take-off and the following climb-out shall enable visual reference to terrain up to Minimum Sector Altitude (MSA) or Minimum Flight Altitude (MFA) stated in ATC clearance,
- the pilot shall be responsible for obstacle clearance until such specified altitude,
- the pilot prior to take-off shall agree to execute this procedure,
- the ATC clearance shall be readback,

4. OMNIDIRECTIONAL DEPARTURES

Omnidirectional departures during take-off and initial climb-out are permitted during the day and night. ATC clearance to execute an omnidirectional departure may be issued upon request of the pilot or upon initiative of the ATC and accepted by the pilot.

To execute an omnidirectional departure:

- the pilot shall be maintaining a minimum climb gradient up to specific altitude as published shown as below,
- the pilot shall be responsible for adherence to such obtained ATC clearance,
- the pilot prior to take-off shall agree to execute this procedure,
- The ATC clearance shall be readback,

- Runway 17:

SAMUI OMNI 17 Departure: Required climb gradient 402 ft per NM (6.6%) until 3,700 ft.

Ground speed	Knot	65	75	100	150	200	250	300
Rate of climb 6.6%	(ft/min)	435	501	668	1003	1337	1671	2005

No turn before DER.
After departure climb on heading 160° until 3,000 ft, then comply with ATC clearance issued (or as directed by ATC).

- Runway 35:

SAMUI OMNI 35 Departure: Required climb gradient 402 ft per NM (6.6%) until 3,700 ft.

Ground speed	Knot	65	75	100	150	200	250	300
Rate of climb 6.6%	(ft/min)	435	501	668	1003	1337	1671	2005

No turn before DER.
After departure climb straight ahead until 3,000 ft, then comply with ATC clearance issued (or as directed by ATC).

VTSM AD 2.23 ADDITIONAL INFORMATION

1. BIRD CONCENTRATIONS

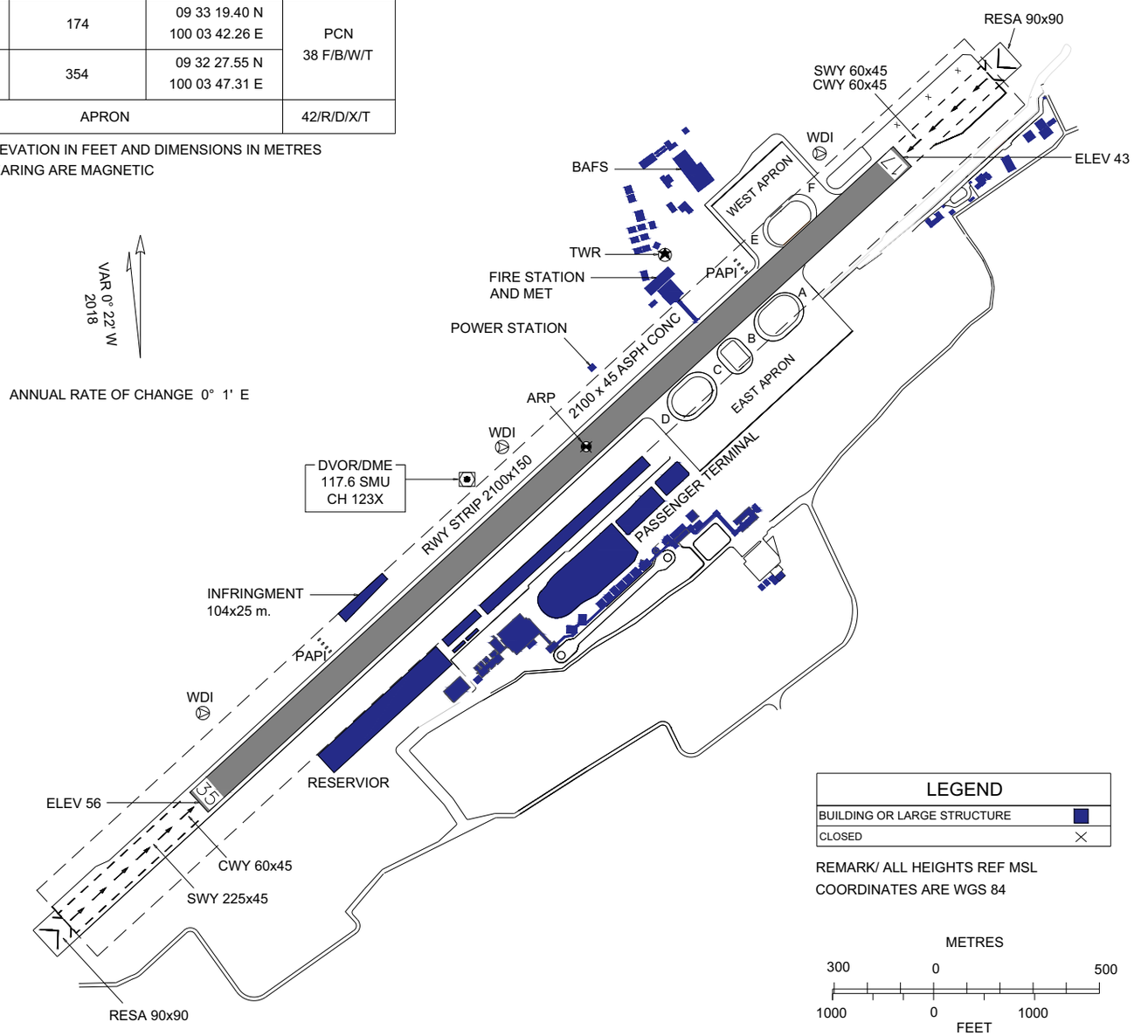
1.1 Bird concentrations in the vicinity of an aerodrome.

VTSM AD 2.24 CHARTS RELATED TO AN AERODROME

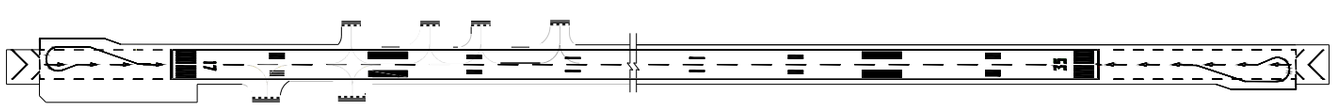
AERODROME CHART - ICAO | 09 32 56 N 100 03 45 E | ELEV 64 ft. | TWR 118.9 121.5 243.0 | SURAT THANI / Samui Airport

RWY	DIRETION	THR	BEARING STRENGTH
17	174	09 33 19.40 N 100 03 42.26 E	PCN 38 F/B/W/T
35	354	09 32 27.55 N 100 03 47.31 E	
APRON			42/R/D/X/T

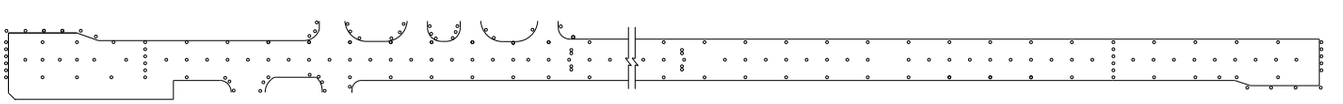
ELEVATION IN FEET AND DIMENSIONS IN METRES
BEARING ARE MAGNETIC



MARKING AIDS RWY 17/35 AND EXIT TWY



LIGHTING AIDS RWY 17/35 AND EXIT TWY



CHANGE : REVISED CHART. MAG VAR. ARP COORD. TWR FREQ. ANNUAL RATE OF CHANGE. WDI ADDED. INFRINGMENT. RWY STRIP.

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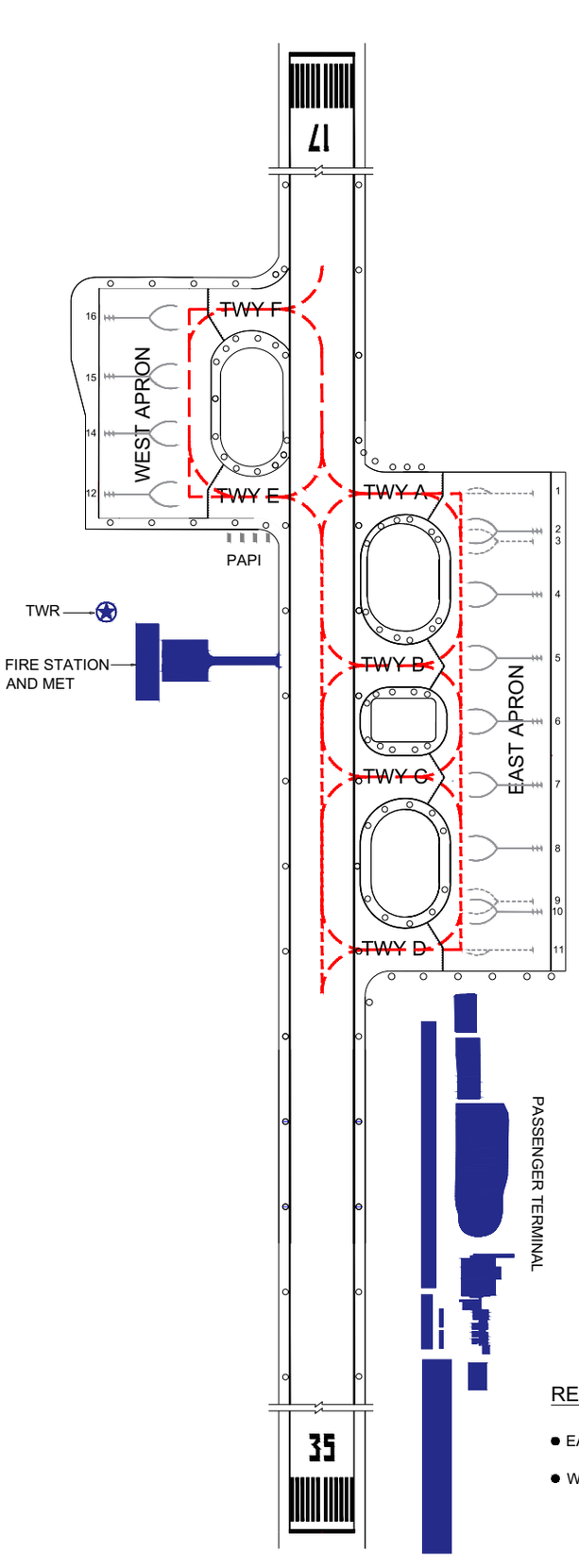
AIRCRAFT PARKING/
DOCKING CHART - ICAO

09 32 56 N
100 03 45 E

WEST APRON ELEV 47 ft.
EAST APRON ELEV 46 ft.

TWR 118.9
GND 121.9

SURAT THANI / Samui Airport



VAR 0° 22' W
(2018)

ANNUAL RATE OF CHANGE 0° 1' E

AIRCRAFT STAND COORDINATES (WGS-84)			
NR	LAT (N)	LONG (E)	UP TO
1	09 33 10.96	100 03 47.77	ATR72
2	09 33 10.09	100 03 48.02	B734,A319,ATR72
3	09 33 09.66	100 03 48.09	ATR72
4	09 33 08.66	100 03 48.24	B734,A319,ATR72
5	09 33 07.26	100 03 48.34	B734,A319,ATR72
6	09 33 05.79	100 03 48.33	B734,A319,ATR72
7	09 33 04.40	100 03 48.45	B734,A319,ATR72
8	09 33 02.94	100 03 48.59	B734,A319,ATR72
9	09 33 01.76	100 03 48.65	ATR72
10	09 33 01.56	100 03 48.70	B734,A319,ATR72
11	09 33 00.65	100 03 48.75	ATR72
12	09 33 10.10	100 03 38.17	B734,A319,ATR72
14	09 33 11.45	100 03 38.04	B734,A319,ATR72
15	09 33 12.71	100 03 37.92	B734,A319,ATR72
16	09 33 14.10	100 03 37.78	B734,A319,ATR72

LEGEND	
AIRCRAFT STAND	1
TAXIWAY LIGHT	
GUIDE LINE	
AIRCRAFT HOLDING POSITION	

METRES
300 0 500
1000 0 1000
FEET

SCALE 1 : 20,000

REMARKS

- EAST APRON ACFT STAND NR 1-11 SURFACE AND STRENGTH : CONCRETE , PCN 42/R/D/X/T
- WEST APRON ACFT STAND NR 12-16 SURFACE AND STRENGTH : CONCRETE , PCN 42/R/D/X/T

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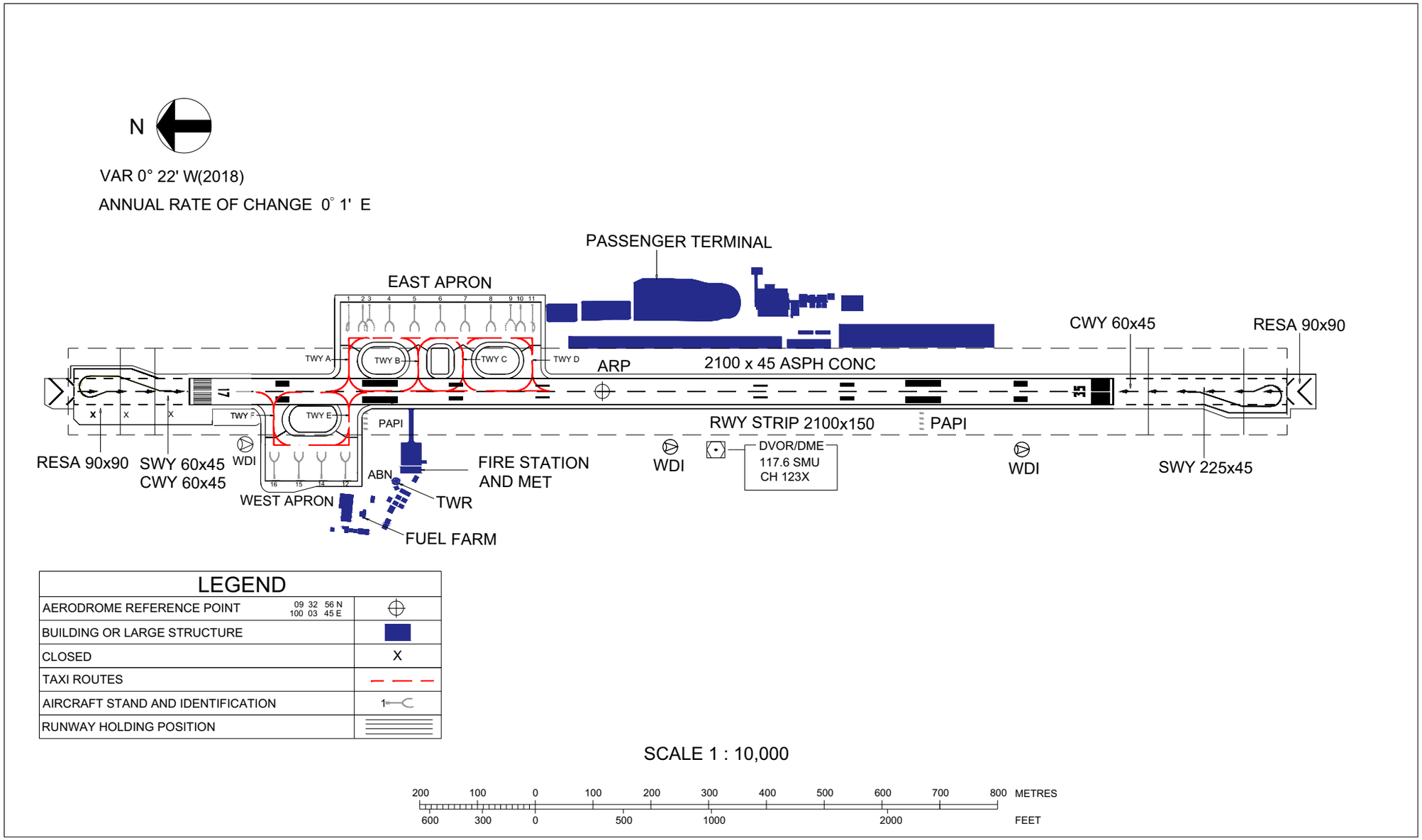
AERODROME GROUND MOVEMENT CHART - ICAO

WEST APRON ELEV 47 ft.
EAST APRON ELEV 46 ft.

TWR 118.9
GND 121.9

SURAT THANI / Samui Airport

CHANGE : REVISED CHART. MAG VAR. ARP COORD. TWR AND GND FREQ. ANNUAL RATE OF CHANGE.
WDI ADDED. INFRINGMENT. RWY STRIP. TWY E AND F ADDED. EAST AND WEST APRON.



LEGEND	
AERODROME REFERENCE POINT 09 32 56 N 100 03 45 E	⊕
BUILDING OR LARGE STRUCTURE	■
CLOSED	X
TAXI ROUTES	– – –
AIRCRAFT STAND AND IDENTIFICATION	1
RUNWAY HOLDING POSITION	≡

SCALE 1 : 10,000

200 100 0 100 200 300 400 500 600 700 800 METRES
600 300 0 500 1000 2000 FEET

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Aerodrome Obstacle Chart - ICAO
Type A (Operation Limitations)

SURAT THANI / Samui Airport

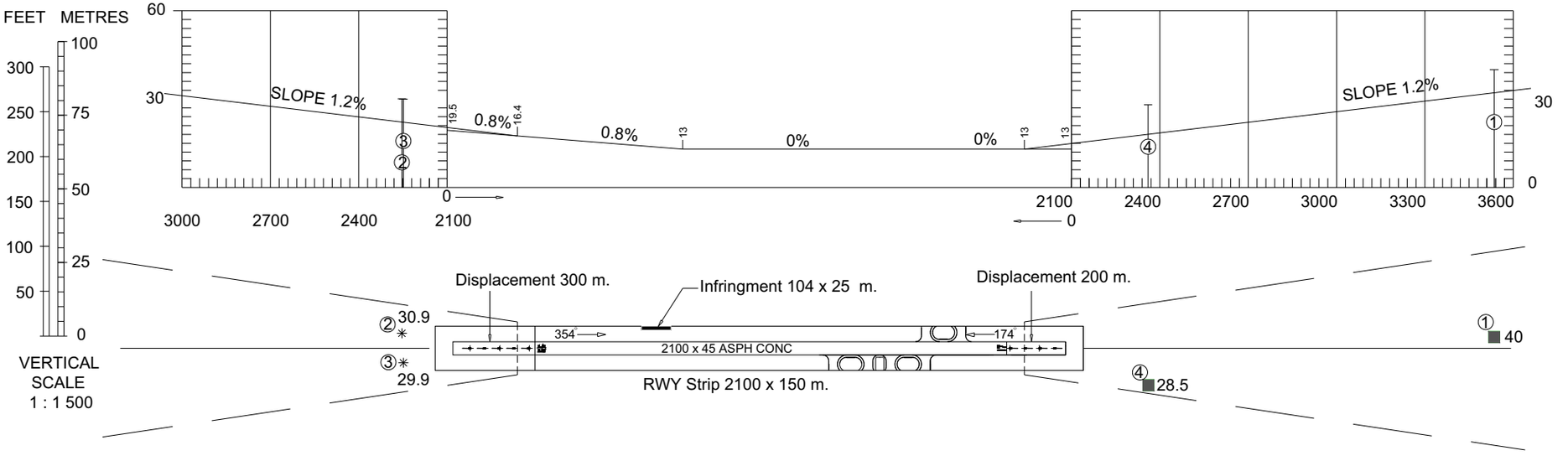
DIMENSIONS AND ELEVATIONS IN METRES
MAGNETIC VARIATION 0° 22' W (2018)

RUNWAY 35 / 17

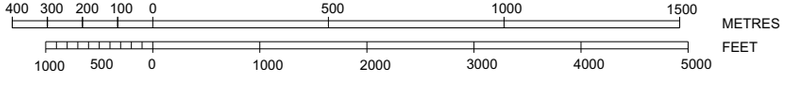
DECLARED DISTANCES		
RWY 35		RWY 17
1900	TAKE-OFF RUN AVAILABLE	1800
1960	TAKE-OFF DISTANCE AVAILABLE	1860
1960	ACCELERATE STOP DISTANCE AVAILABLE	2025
1660	LANDING DISTANCE AVAILABLE	1825

OPERATING LIMITATIONS

For ICAO reference code C aircraft during take-off and landing max cross-wind dry and wet RWY should be 5kts less than the flight manual recommended limits



HORIZONTAL - SCALE 1 : 15,000



LEGEND	
IDENTIFICATION NUMBER	①
LARGE STRUCTURE	■
TREE	✳

CHANGE : PAGE NUMBER CHANGED.

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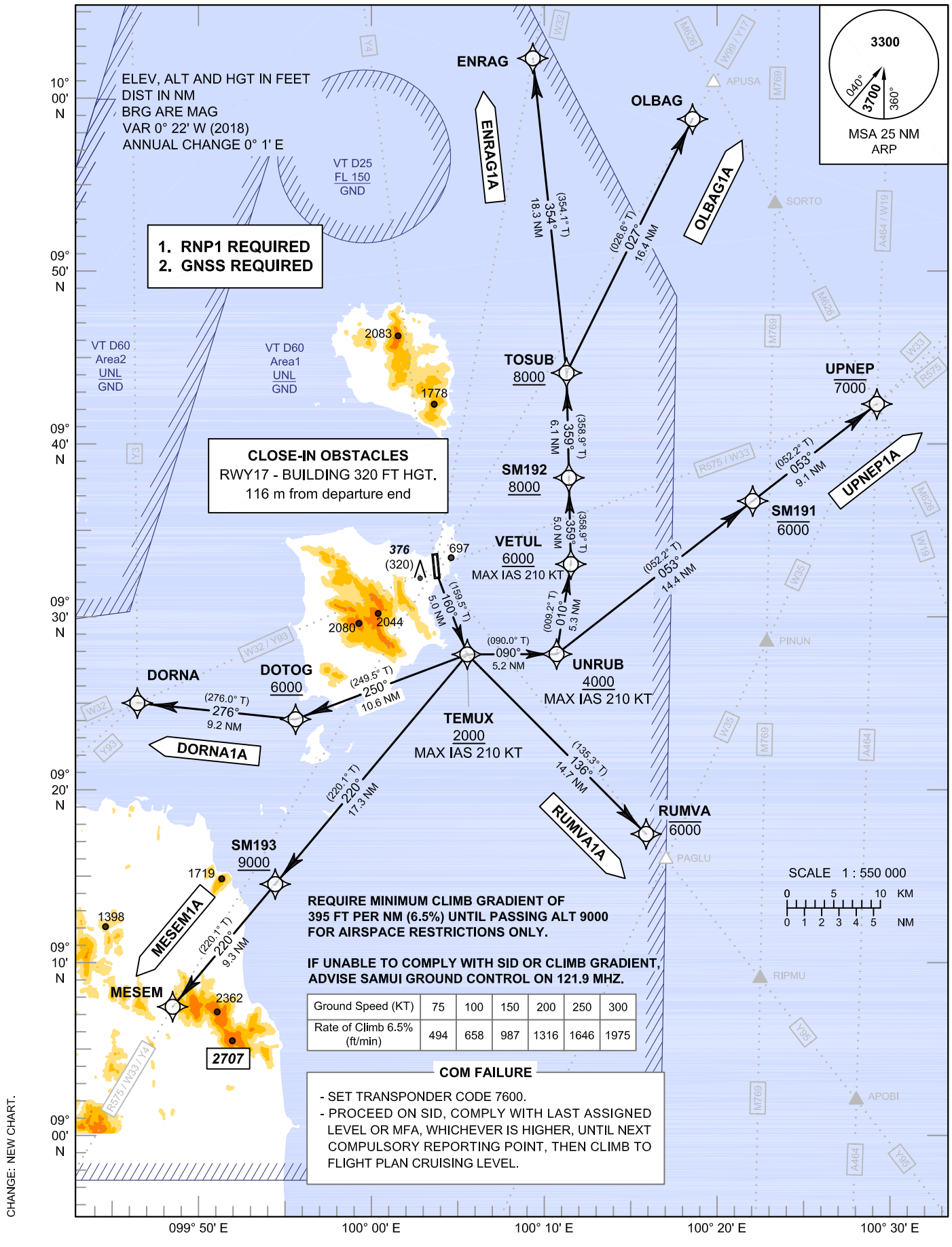
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11000 FT

APP : 129.6
TWR : 118.9
GND : 121.9
ATIS : 128.6

SURAT THANI / Samui (VTSM)
RNAV RWY17

DORNA1A ENRAG1A MESEM1A
OLBAG1A RUMVA1A UPNEP1A



CHANGE: NEW CHART.

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

SURAT THANI / Samui (VTSM)
RNAV RWY17

DORNA1A ENRAG1A MESEM1A
OLBAG1A RUMVA1A UPNEP1A

TABULAR DESCRIPTION

RNAV RWY17

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
DORNA1A											
010	-	DER RWY17	-	-	+0.33	-	L	-	-	-	RNP 1
020	CF	TEMUX	-	160°(159.5°)	+0.33	5.0	R	+2000	-210	-	RNP 1
030	TF	DOTOG	-	250°(249.5°)	+0.33	10.6	R	+6000	-	-	RNP 1
040	TF	DORNA	-	276°(276.0°)	+0.33	9.2	-	-	-	-	RNP 1
ENRAG1A											
010	-	DER RWY17	-	-	+0.33	-	L	-	-	-	RNP 1
020	CF	TEMUX	-	160°(159.5°)	+0.33	5.0	L	+2000	-210	-	RNP 1
030	TF	UNRUB	-	090°(090.0°)	+0.33	5.2	L	+4000	-210	-	RNP 1
040	TF	VETUL	-	010°(009.2°)	+0.33	5.3	L	+6000	-210	-	RNP 1
050	TF	SM192	-	359°(358.9°)	+0.33	5.0	-	+8000	-	-	RNP 1
060	TF	TOSUB	-	359°(358.9°)	+0.33	6.1	L	+8000	-	-	RNP 1
070	TF	ENRAG	-	354°(354.1°)	+0.33	18.3	-	-	-	-	RNP 1
MESEM1A											
010	-	DER RWY17	-	-	+0.33	-	L	-	-	-	RNP 1
020	CF	TEMUX	-	160°(159.5°)	+0.33	5.0	R	+2000	-210	-	RNP 1
030	TF	SM193	-	220°(220.1°)	+0.33	17.3	-	+9000	-	-	RNP 1
040	TF	MESEM	-	220°(220.1°)	+0.33	9.3	-	-	-	-	RNP 1
OLBAG1A											
010	-	DER RWY17	-	-	+0.33	-	L	-	-	-	RNP 1
020	CF	TEMUX	-	160°(159.5°)	+0.33	5.0	L	+2000	-210	-	RNP 1
030	TF	UNRUB	-	090°(090.0°)	+0.33	5.2	L	+4000	-210	-	RNP 1
040	TF	VETUL	-	010°(009.2°)	+0.33	5.3	L	+6000	-210	-	RNP 1
050	TF	SM192	-	359°(358.9°)	+0.33	5.0	-	+8000	-	-	RNP 1
060	TF	TOSUB	-	359°(358.9°)	+0.33	6.1	R	+8000	-	-	RNP 1
070	TF	OLBAG	-	027°(026.6°)	+0.33	16.4	-	-	-	-	RNP 1
RUMVA1A											
010	-	DER RWY17	-	-	+0.33	-	L	-	-	-	RNP 1
020	CF	TEMUX	-	160°(159.5°)	+0.33	5.0	L	+2000	-210	-	RNP 1
030	TF	RUMVA	-	136°(135.3°)	+0.33	14.7	-	-6000	-	-	RNP 1
UPNEP1A											
010	-	DER RWY17	-	-	+0.33	-	L	-	-	-	RNP 1
020	CF	TEMUX	-	160°(159.5°)	+0.33	5.0	L	+2000	-210	-	RNP 1
030	TF	UNRUB	-	090°(090.0°)	+0.33	5.2	L	+4000	-210	-	RNP 1
040	TF	SM191	-	053°(052.2°)	+0.33	14.4	-	-6000	-	-	RNP 1
050	TF	UPNEP	-	053°(052.2°)	+0.33	9.1	-	-7000	-	-	RNP 1

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

SURAT THANI / Samui (VTSM)
RNAV RWY17

DORNA1A ENRAG1A MESEM1A
OLBAG1A RUMVA1A UPNEP1A

WAYPOINT LIST

RNAV RWY17

Waypoint Identifier	Coordinates	
DER RWY17	09° 32' 27.55" N	100° 03' 47.31" E
DORNA	09° 24' 58.70" N	099° 46' 14.10" E
DOTOG	09° 24' 00.75" N	099° 55' 29.95" E
ENRAG	10° 02' 23.31" N	100° 09' 31.07" E
MESEM	09° 07' 19.05" N	099° 48' 15.85" E
OLBAG	09° 58' 49.36" N	100° 18' 52.25" E
RUMVA	09° 17' 16.93" N	100° 15' 59.72" E
SM191	09° 36' 36.69" N	100° 22' 18.46" E
SM192	09° 38' 00.18" N	100° 11' 32.87" E
SM193	09° 14' 25.82" N	099° 54' 16.76" E
TEMUX	09° 27' 45.27" N	100° 05' 33.73" E
TOSUB	09° 44' 05.84" N	100° 11' 25.88" E
UNRUB	09° 27' 45.24" N	100° 10' 47.51" E
UPNEP	09° 42' 13.10" N	100° 29' 36.40" E
VETUL	09° 32' 58.84" N	100° 11' 38.63" E

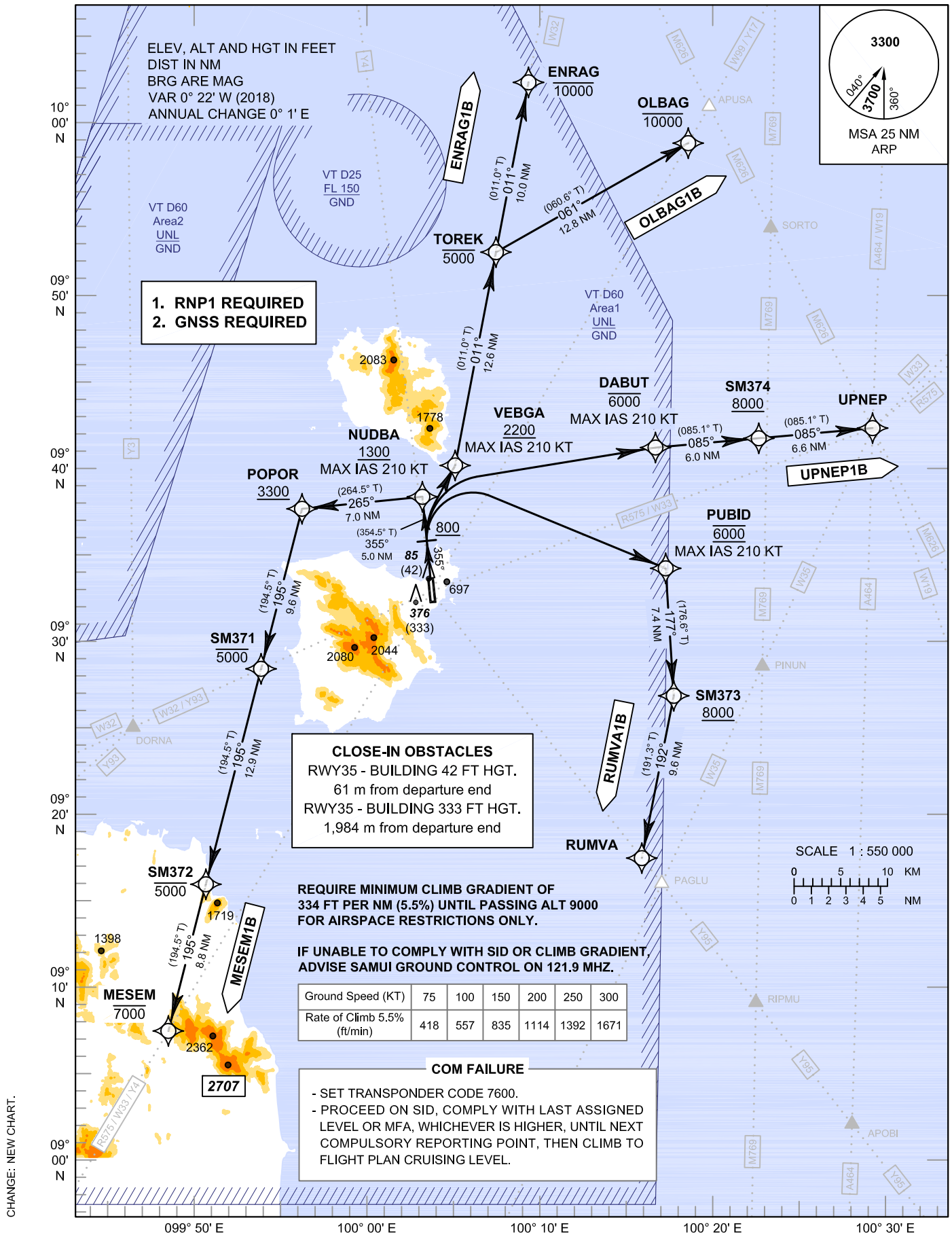
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

TRANSITION ALTITUDE
11000 FT

APP : 129.6
TWR : 118.9
GND : 121.9
ATIS : 128.6

SURAT THANI / Samui (VTSM)
RNAV RWY35

ENRAG1B MESEM1B
OLBAG1B RUMVA1B UPNEP1B



Ground Speed (KT)	75	100	150	200	250	300
Rate of Climb 5.5% (ft/min)	418	557	835	1114	1392	1671

COM FAILURE

- SET TRANSPONDER CODE 7600.
- PROCEED ON SID, COMPLY WITH LAST ASSIGNED LEVEL OR MFA, WHICHEVER IS HIGHER, UNTIL NEXT COMPULSORY REPORTING POINT, THEN CLIMB TO FLIGHT PLAN CRUISING LEVEL.

CHANGE: NEW CHART.

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

SURAT THANI / Samui (VTSM)
RNAV RWY35

ENRAG1B MESEM1B
OLBAG1B RUMVA1B UPNEP1B

TABULAR DESCRIPTION

RNAV RWY35

Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
ENRAG1B											
010	-	DER RWY35	-	-	+0.33	-	-	-	-	-	RNP 1
020	CA	-	-	355°(354.5°)	+0.33	-	-	+800	-	-	RNP 1
030	DF	VEBGA		-	+0.33	-	R	+2200	-210	-	RNP 1
040	TF	TOREK	-	011°(011.0°)	+0.33	12.6	-	-5000	-	-	RNP 1
050	TF	ENRAG	-	011°(011.0°)	+0.33	10.0	-	-10000	-	-	RNP 1
MESEM1B											
010	-	DER RWY 35	-	-	+0.33	-	-	-	-	-	RNP 1
020	CF	NUDBA	-	355°(354.5°)	+0.33	5.0	L	+1300	-210	-	RNP 1
030	TF	POPOR	-	265°(264.5°)	+0.33	7.0	L	+3300	-	-	RNP 1
040	TF	SM371	-	195°(194.5°)	+0.33	9.6	-	-5000	-	-	RNP 1
050	TF	SM372	-	195°(194.5°)	+0.33	12.9	-	-5000	-	-	RNP 1
060	TF	MESEM	-	195°(194.5°)	+0.33	8.8	-	-7000	-	-	RNP 1
OLBAG1B											
010	-	DER RWY35	-	-	+0.33	-	-	-	-	-	RNP 1
020	CA	-	-	355°(354.5°)	+0.33	-	-	+800	-	-	RNP 1
030	DF	VEBGA	-	-	+0.33	-	R	+2200	-210	-	RNP 1
040	TF	TOREK	-	011°(011.0°)	+0.33	12.6	R	-5000	-	-	RNP 1
050	TF	OLBAG	-	061°(060.6°)	+0.33	12.8	-	-10000	-	-	RNP 1
RUMVA1B											
010	-	DER RWY35	-	-	+0.33	-	-	-	-	-	RNP 1
020	CA	-	-	355°(354.5°)	+0.33	-	-	+800	-	-	RNP 1
030	DF	PUBID	-	-	+0.33	-	R	@6000	-210	-	RNP 1
040	TF	SM373	-	177°(176.6°)	+0.33	7.4	R	+8000	-	-	RNP 1
050	TF	RUMVA	-	192°(191.3°)	+0.33	9.6	-	-	-	-	RNP 1
UPNEP1B											
010	-	DER RWY35	-	-	+0.33	-	-	-	-	-	RNP 1
020	CA	-	-	355°(354.5°)	+0.33	-	-	+800	-	-	RNP 1
030	DF	DABUT	-	-	+0.33	-	R	-6000	-210	-	RNP 1
040	TF	SM374	-	085°(085.1°)	+0.33	6.0	-	+8000	-	-	RNP 1
050	TF	UPNEP	-	085°(085.1°)	+0.33	6.6	-	-	-	-	RNP 1

STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO

SURAT THANI / Samui (VTSM)
RNAV RWY35

ENRAG1B MESEM1B
OLBAG1B RUMVA1B UPNEP1B

WAYPOINT LIST

RNAV RWY35

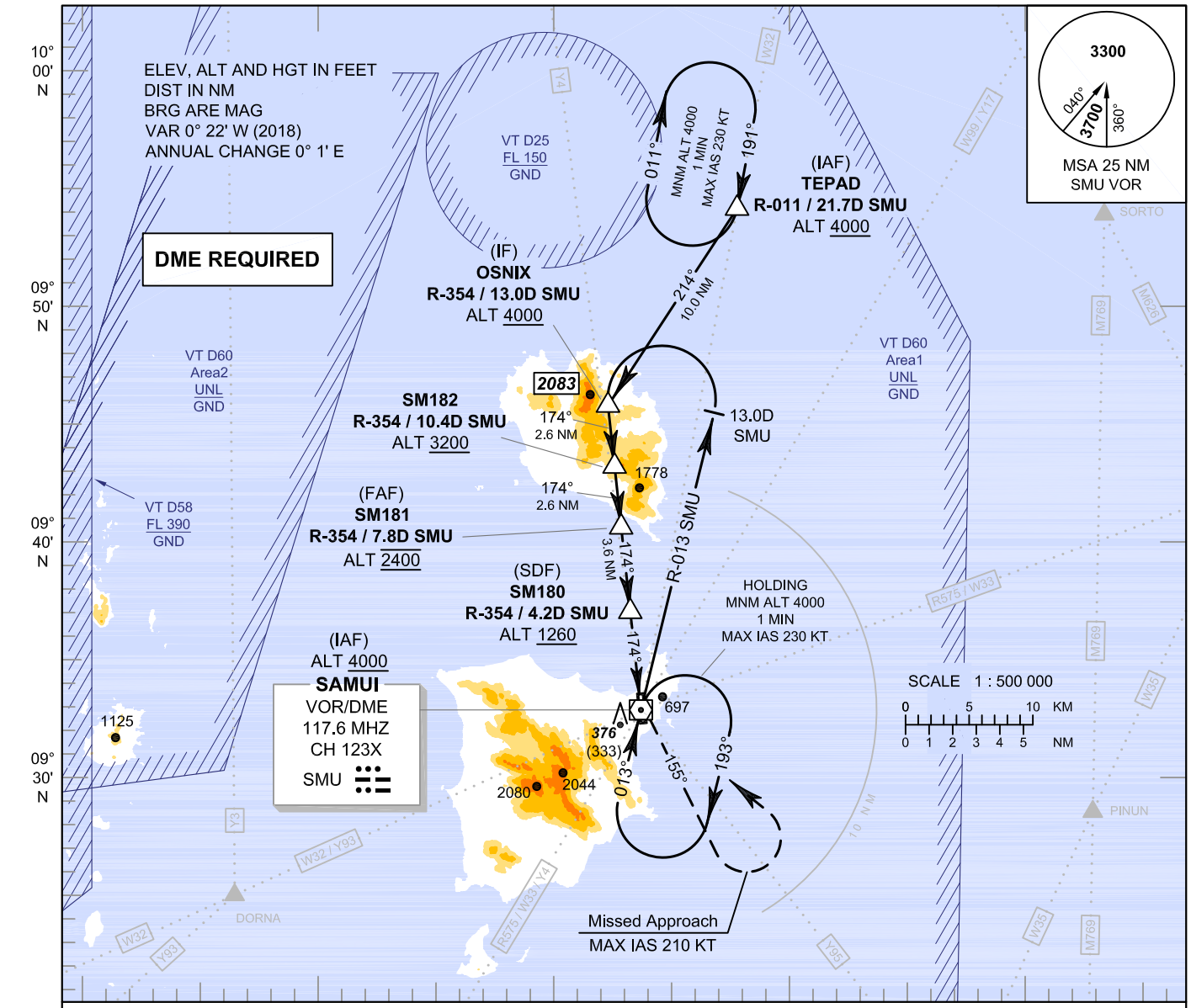
Waypoint Identifier	Coordinates	
DER RWY35	09° 33' 19.40" N	100° 03' 42.26" E
DABUT	09° 41' 08.45" N	100° 16' 53.04" E
ENRAG	10° 02' 23.31" N	100° 09' 31.07" E
MESEM	09° 07' 19.05" N	099° 48' 15.85" E
NUDBA	09° 38' 19.40" N	100° 03' 13.03" E
OLBAG	09° 58' 49.36" N	100° 18' 52.25" E
POPOR	09° 37' 38.71" N	099° 56' 09.81" E
PUBID	09° 34' 07.10" N	100° 17' 27.30" E
RUMVA	09° 17' 16.93" N	100° 15' 59.72" E
SM371	09° 28' 21.11" N	099° 53' 44.42" E
SM372	09° 15' 50.22" N	099° 50' 28.85" E
SM373	09° 26' 42.51" N	100° 17' 53.96" E
SM374	09° 41' 39.27" N	100° 22' 56.23" E
TOREK	09° 52' 31.68" N	100° 07' 34.62" E
UPNEP	09° 42' 13.10" N	100° 29' 36.40" E
VEBGA	09° 40' 08.36" N	100° 05' 08.47" E

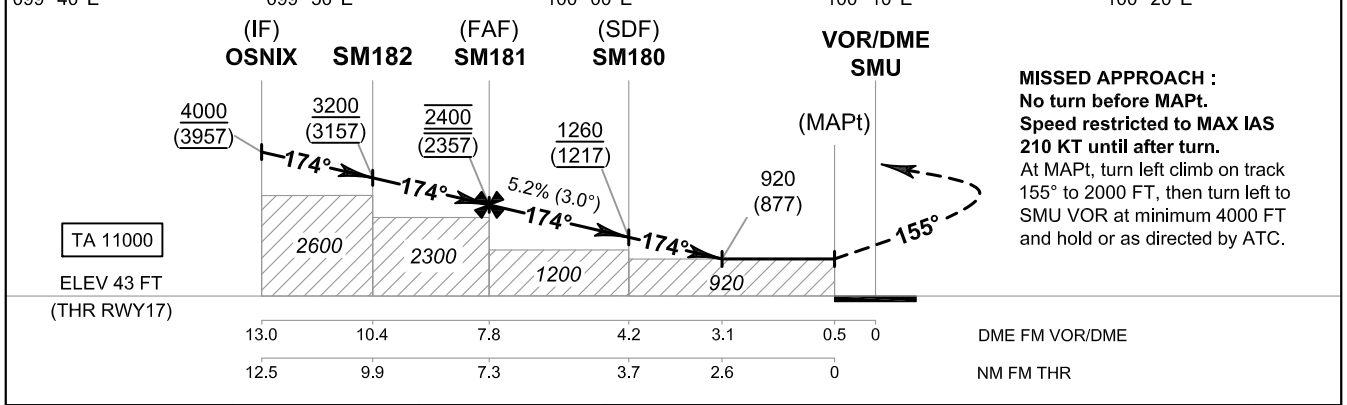
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

APP	129.6
TWR	118.9
GND	121.9
ATIS	128.6

SURAT THANI / Samui (VTSM)
VOR RWY17
CAT A, B





OCA/H	A	B
Straight - in Approach	920 (877)	
Circling* (OCH AAL)	1400 (1336)	

* FOR CIRCLING RESTRICTIONS SEE VERSO.

Distance (SMU)	FAF	7 D	6 D	5 D	4 D	3.1 D
Altitude (Height)	2400 (2357)	2145 (2102)	1830 (1787)	1515 (1472)	1200 (1157)	920 (877)

Ground Speed	knot	70	90	100	120	140	160
Rate of Descent 5.2%	ft/min	369	474	527	632	737	843

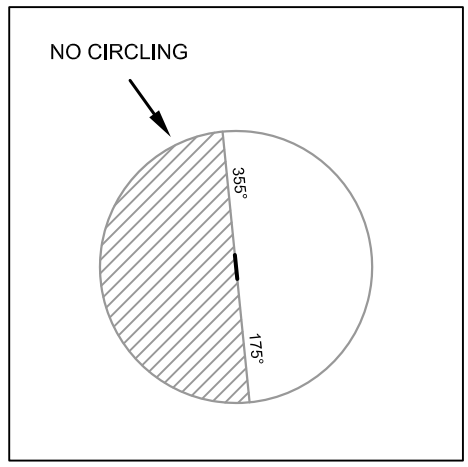
CHANGE: NEW PROCEDURES.
INTERMEDIATE APPROACH SEGMENT - NO HORIZONTAL DISTANCE 1.0 NM
DUE TO TERRAIN RESTRICTIONS.

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

SURAT THANI / Samui (VTSM)
VOR RWY17
CAT A, B

Fix / Point		Coordinates	
(IAF) TEPAD	R-011 / 21.7D SMU	09° 54' 11.99" N	100° 07' 54.35" E
(IF) OSNIX	R-354 / 13.0D SMU	09° 45' 48.80" N	100° 02' 19.70" E
SM182	R-354 / 10.4D SMU	09° 43' 12.94" N	100° 02' 36.22" E
(FAF) SM181	R-354 / 7.8D SMU	09° 40' 37.07" N	100° 02' 52.74" E
(SDF) SM180	R-354 / 4.2D SMU	09° 37' 00.86" N	100° 03' 15.65" E
MAPt	R-354 / 0.5D SMU	09° 33' 19.09" N	100° 03' 39.13" E
(IAF) VOR	SMU	09° 32' 49.47" N	100° 03' 42.27" E

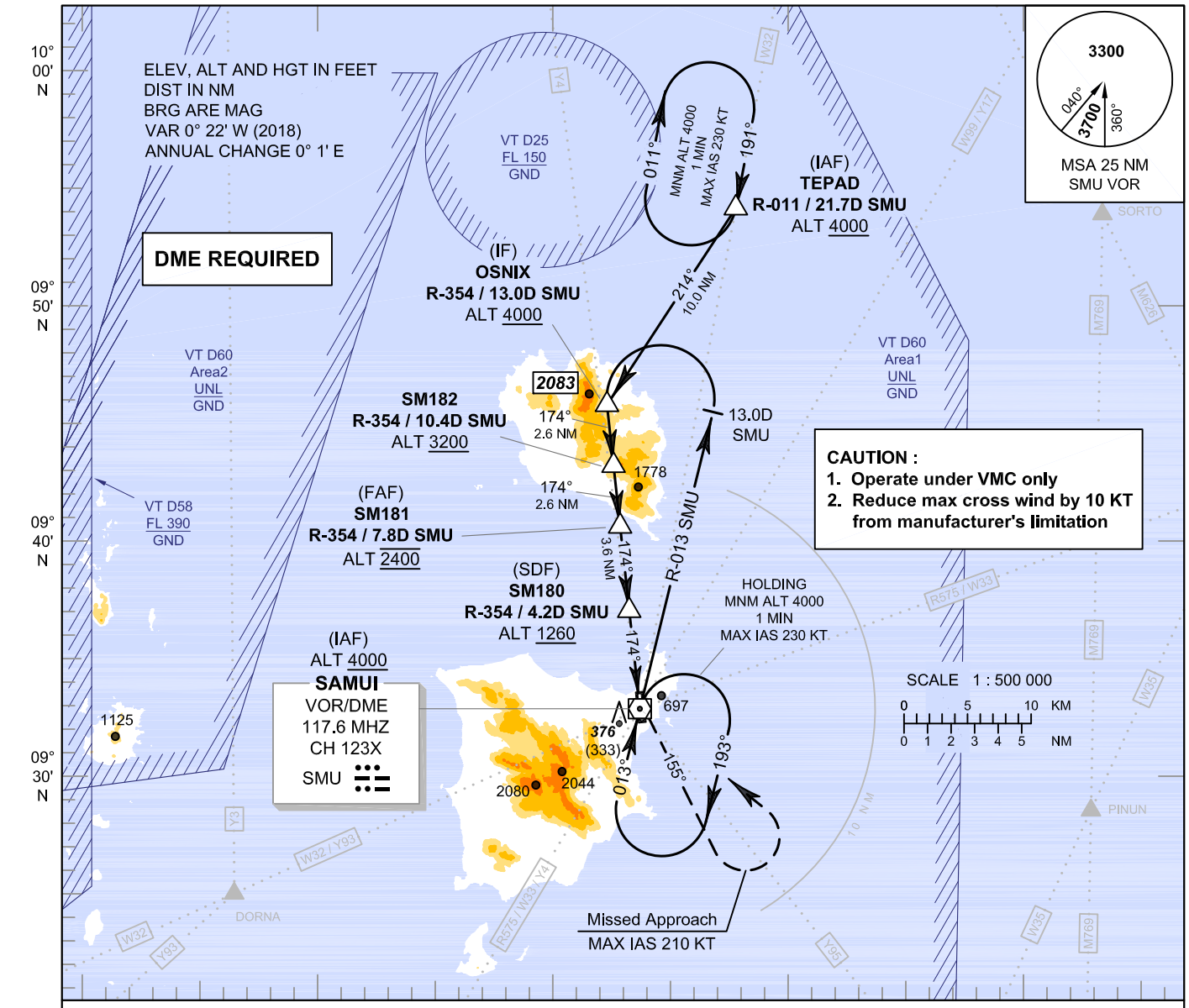


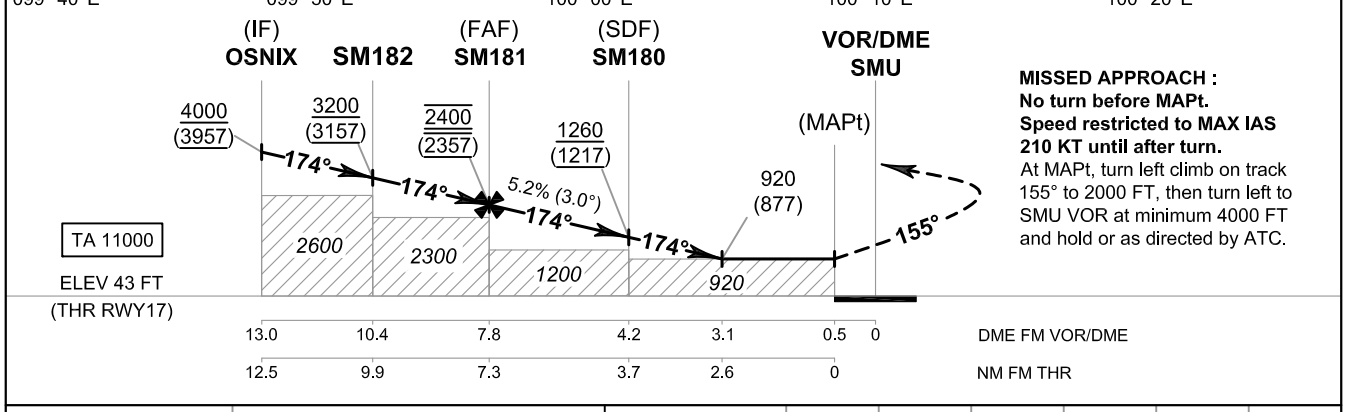
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

APP	129.6
TWR	118.9
GND	121.9
ATIS	128.6

SURAT THANI / Samui (VTSM)
VOR RWY17
CAT C





OCA/H	C
Straight - in Approach	920 (877)
Circling* (OCH AAL)	1400 (1336)

* FOR CIRCLING RESTRICTIONS SEE VERSO.

Distance (SMU)	FAF	7 D	6 D	5 D	4 D	3.1 D
Altitude (Height)	2400 (2357)	2145 (2102)	1830 (1787)	1515 (1472)	1200 (1157)	920 (877)

Ground Speed	knot	70	90	100	120	140	160
Rate of Descent 5.2%	ft/min	369	474	527	632	737	843

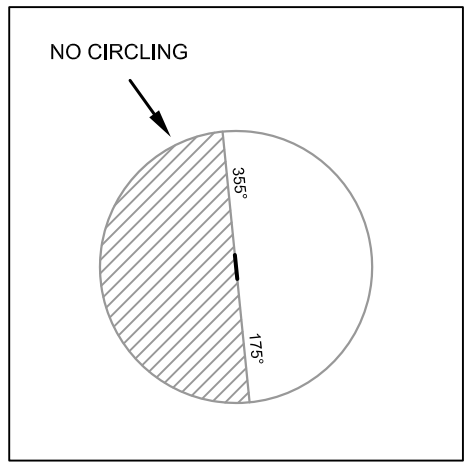
CHANGE: NEW PROCEDURES.
INTERMEDIATE APPROACH SEGMENT - NO HORIZONTAL DISTANCE 1.5 NM
DUE TO TERRAIN RESTRICTIONS.

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

SURAT THANI / Samui (VTSM)
VOR RWY17
CAT C

Fix / Point		Coordinates	
(IAF) TEPAD	R-011 / 21.7D SMU	09° 54' 11.99" N	100° 07' 54.35" E
(IF) OSNIX	R-354 / 13.0D SMU	09° 45' 48.80" N	100° 02' 19.70" E
SM182	R-354 / 10.4D SMU	09° 43' 12.94" N	100° 02' 36.22" E
(FAF) SM181	R-354 / 7.8D SMU	09° 40' 37.07" N	100° 02' 52.74" E
(SDF) SM180	R-354 / 4.2D SMU	09° 37' 00.86" N	100° 03' 15.65" E
MAPt	R-354 / 0.5D SMU	09° 33' 19.09" N	100° 03' 39.13" E
(IAF) VOR	SMU	09° 32' 49.47" N	100° 03' 42.27" E

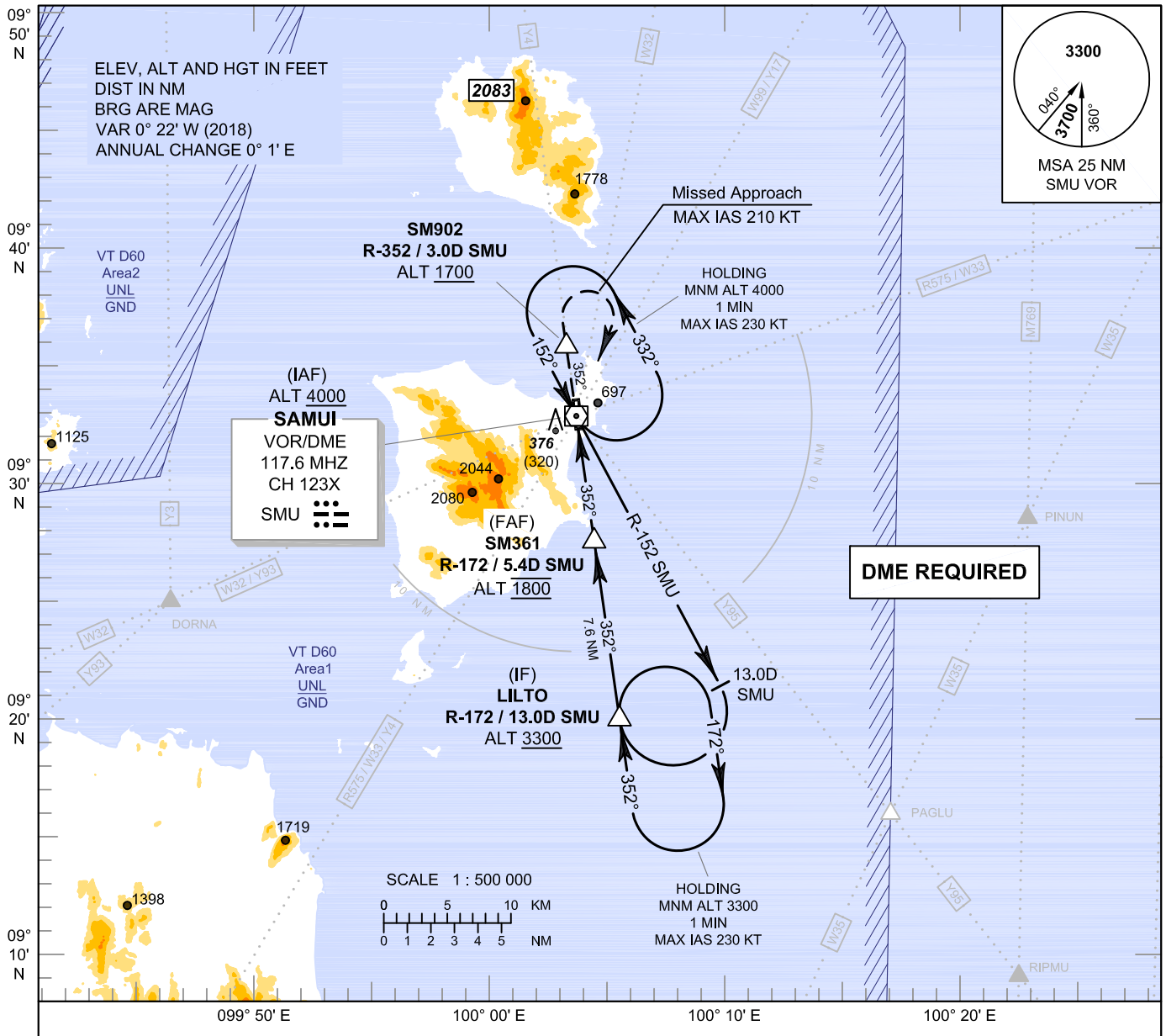


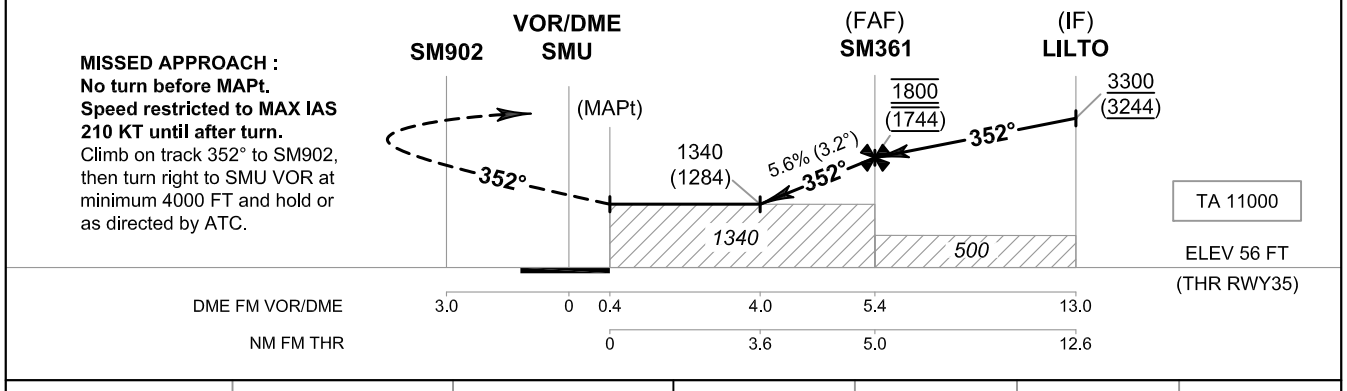
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

APP : 129.6
TWR : 118.9
GND : 121.9
ATIS : 128.6

SURAT THANI / Samui (VTSM)
VOR RWY35
CAT A, B





CHANGE: NEW PROCEDURES.

OCA/H	A	B
Straight - in Approach	1340 (1284)	
Circling* (OCH AAL)	1400 (1336)	

* FOR CIRCLING RESTRICTIONS SEE VERSO.

Distance (SMU)	4 D	5 D	FAF
Altitude (Height)	1340 (1284)	1670 (1614)	1800 (1744)

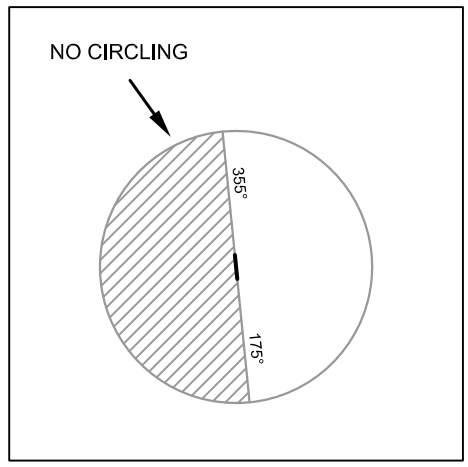
Ground Speed	knot	70	90	100	120	140	160
Rate of Descent 5.6%	ft/min	397	510	567	681	794	907

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

SURAT THANI / Samui (VTSM)
VOR RWY35
CAT A, B

Fix / Point		Coordinates	
(IAF) VOR	SMU	09° 32' 49.47" N	100° 03' 42.27" E
(IF) LILTO	R-172 / 13.0D SMU	09° 19' 53.35" N	100° 05' 31.31" E
(FAF) SM361	R-172 / 5.4D SMU	09° 27' 28.88" N	100° 04' 27.33" E
MAPt	R-172 / 0.4D SMU	09° 32' 27.20" N	100° 03' 45.40" E
SM902	R-352 / 3.0D SMU	09° 35' 48.57" N	100° 03' 17.09" E

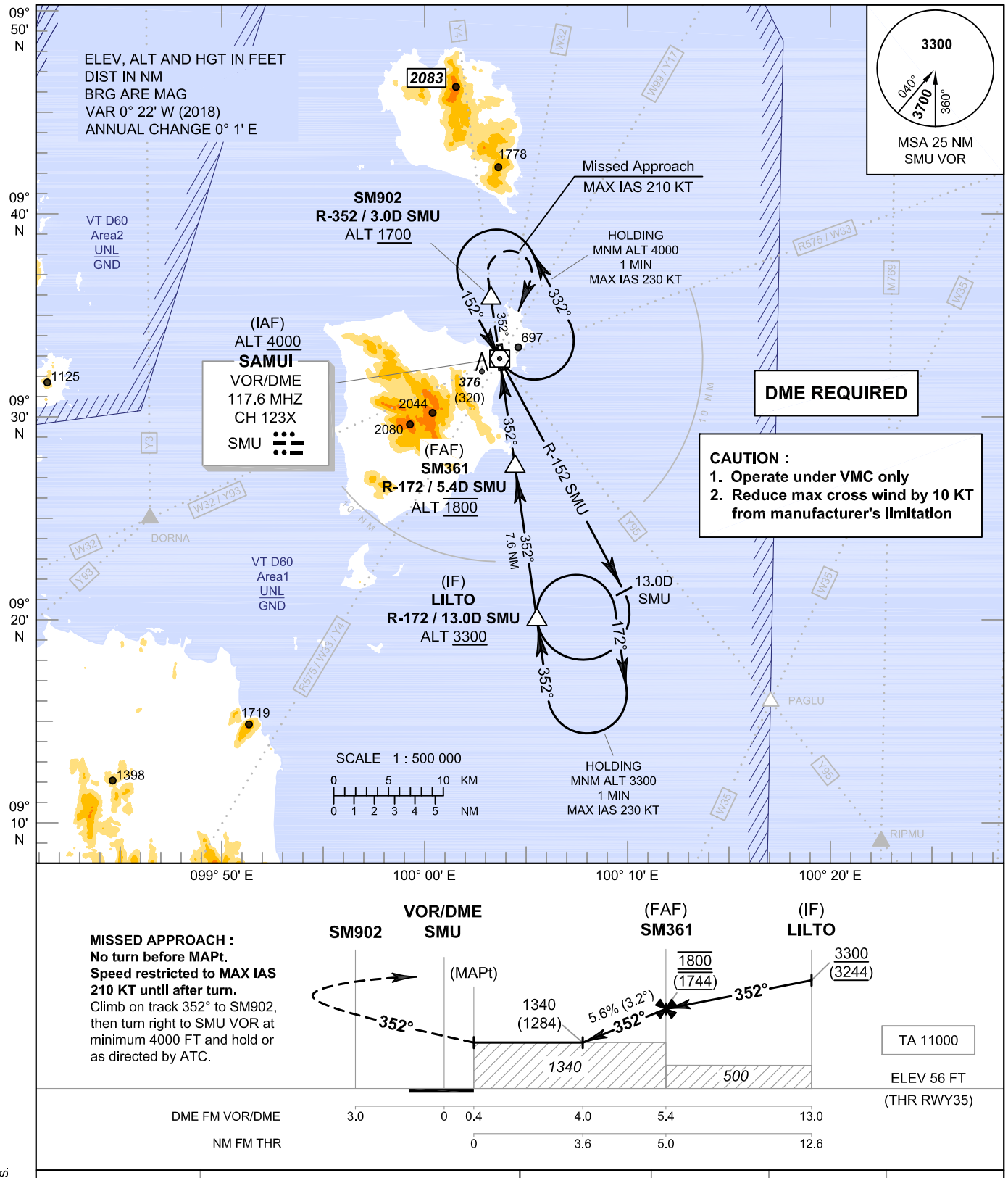


INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

APP	129.6
TWR	118.9
GND	121.9
ATIS	128.6

SURAT THANI / Samui (VTSM)
VOR RWY35
CAT C



CHANGE: NEW PROCEDURES.

OCA/H	C
Straight - in Approach	1340 (1284)
Circling* (OCH AAL)	1400 (1336)

* FOR CIRCLING RESTRICTIONS SEE VERSO.

Distance (SMU)	4 D	5 D	FAF
Altitude (Height)	1340 (1284)	1670 (1614)	1800 (1744)

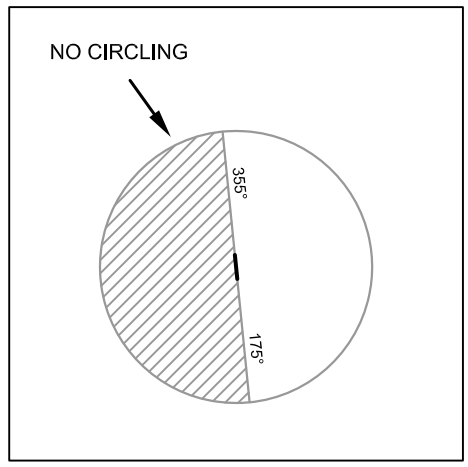
Ground Speed	knot	70	90	100	120	140	160
Rate of Descent 5.6%	ft/min	397	510	567	681	794	907

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

SURAT THANI / Samui (VTSM)
VOR RWY35
CAT C

Fix / Point		Coordinates	
(IAF) VOR	SMU	09° 32' 49.47" N	100° 03' 42.27" E
(IF) LILTO	R-172 / 13.0D SMU	09° 19' 53.35" N	100° 05' 31.31" E
(FAF) SM361	R-172 / 5.4D SMU	09° 27' 28.88" N	100° 04' 27.33" E
MAPt	R-172 / 0.4D SMU	09° 32' 27.20" N	100° 03' 45.40" E
SM902	R-352 / 3.0D SMU	09° 35' 48.57" N	100° 03' 17.09" E

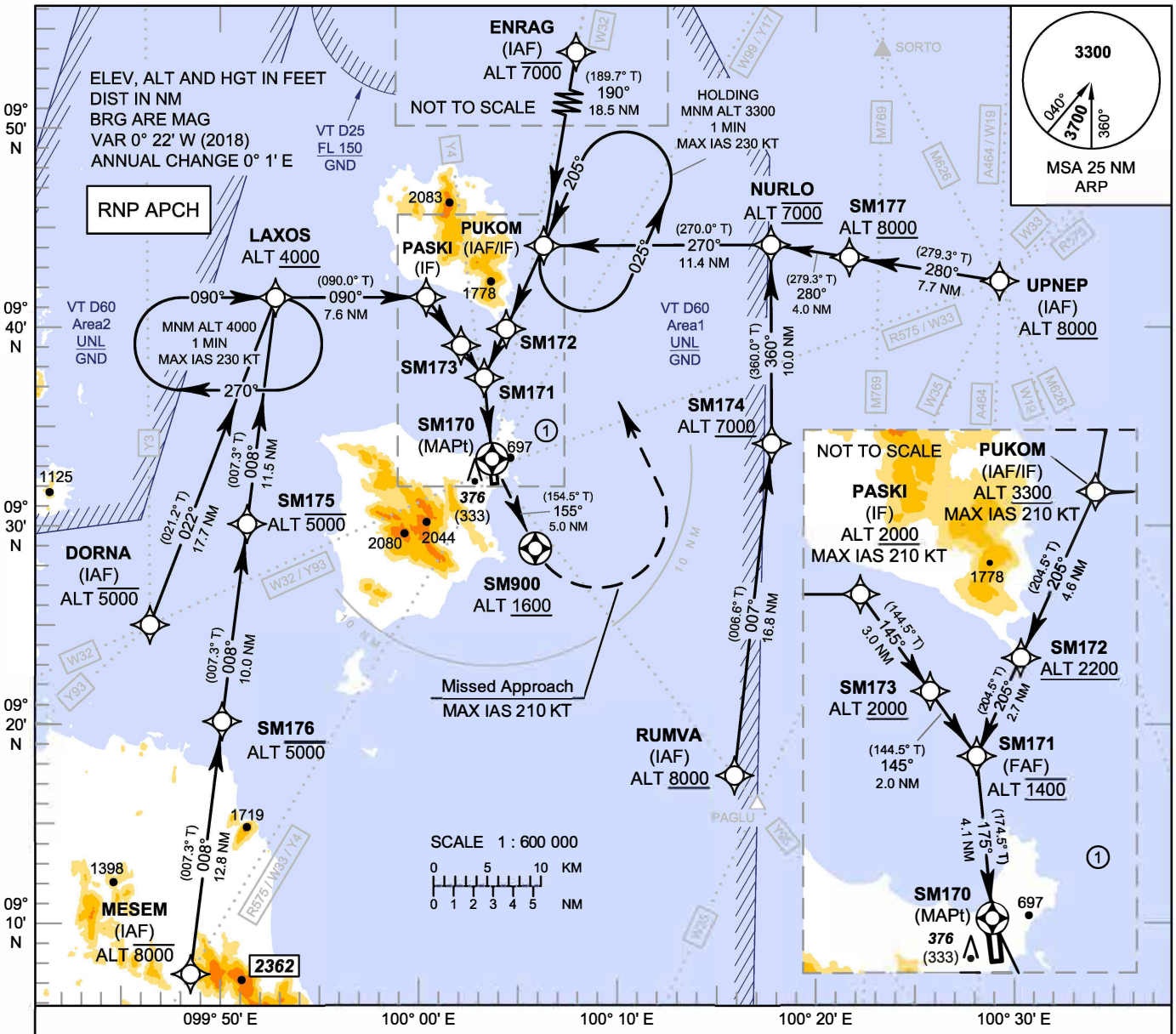


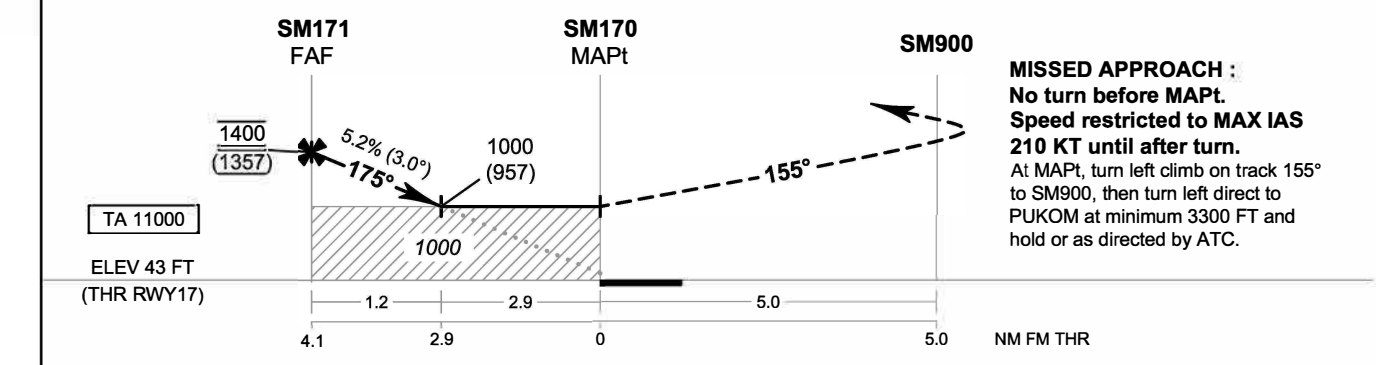
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

APP : 129.6
TWR : 118.9
GND : 121.9
ATIS : 128.6

SURAT THANI / Samui (VTSM)
RNP RWY17
CAT A, B





CHANGE : CHART TITLE.

OCA/H	A	B	NM to NEXT WPT	FAF	4 NM	3 NM	2.9 NM
LNAV	1000 (957)		Altitude (Height)	1400 (1357)	1355 (1312)	1040 (997)	1000 (957)
Circling* (OCH AAL)	1400 (1336)		Ground Speed	knot	70	90	100	120	140	160
* FOR CIRCLING RESTRICTIONS SEE VERSO.			Rate of Descent FAF - MAPt 5.2%	ft/ min	369	474	527	632	737	843

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

SURAT THANI / Samui (VTSM)
RNP RWY17
CAT A, B

TABULAR DESCRIPTION

RNP RWY17

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	RUMVA (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	SM174	-	007°(006.6°)	+0.33	16.8	L	+7000	-	-	RNP APCH
030	TF	NURLO	-	360°(360.0°)	+0.33	10.0	L	@7000	-	-	RNP APCH
040	TF	PUKOM (IAF/IF)	-	270°(270.0°)	+0.33	11.4	L	+3300	-210	-	RNP APCH
050	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
060	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	UPNEP (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	SM177	-	280°(279.3°)	+0.33	7.7	-	+8000	-	-	RNP APCH
030	TF	NURLO	-	280°(279.3°)	+0.33	4.0	L	@7000	-	-	RNP APCH
040	TF	PUKOM (IAF/IF)	-	270°(270.0°)	+0.33	11.4	L	+3300	-210	-	RNP APCH
050	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
060	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	ENRAG (IAF)	-	-	+0.33	-	-	-7000	-	-	RNP APCH
020	TF	PUKOM (IAF/IF)	-	190°(189.7°)	+0.33	18.5	R	+3300	-210	-	RNP APCH
030	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
040	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	MESEM (IAF)	-	-	+0.33	-	-	-8000	-	-	RNP APCH
020	TF	SM176	-	008°(007.3°)	+0.33	12.8	-	-5000	-	-	RNP APCH
030	TF	SM175	-	008°(007.3°)	+0.33	10.0	-	-5000	-	-	RNP APCH
040	TF	LAXOS	-	008°(007.3°)	+0.33	11.5	R	+4000	-	-	RNP APCH
050	TF	PASKI (IF)	-	090°(090.0°)	+0.33	7.6	R	+2000	-210	-	RNP APCH
060	TF	SM173	-	145°(144.5°)	+0.33	3.0	-	+2000	-	-	RNP APCH
070	TF	SM171 (FAF)	-	145°(144.5°)	+0.33	2.0	-	@1400	-	-	RNP APCH
010	IF	DORNA (IAF)	-	-	+0.33	-	-	-5000	-	-	RNP APCH
020	TF	LAXOS	-	022°(021.2°)	+0.33	17.7	R	+4000	-	-	RNP APCH
030	TF	PASKI (IF)	-	090°(090.0°)	+0.33	7.6	R	+2000	-210	-	RNP APCH
040	TF	SM173	-	145°(144.5°)	+0.33	3.0	-	+2000	-	-	RNP APCH
050	TF	SM171 (FAF)	-	145°(144.5°)	+0.33	2.0	-	@1400	-	-	RNP APCH
010	IF	PUKOM (IAF/IF)	-	-	+0.33	-	-	+3300	-210	-	RNP APCH
020	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
030	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	SM171 (FAF)	-	-	+0.33	-	-	@1400	-	-	RNP APCH
020	TF	SM170 (MAPt)	Y	175°(174.5°)	+0.33	4.1	-	@93	-	-3.0 / 50	RNP APCH
030	TF	SM900	Y	155°(154.5°)	+0.33	5.0	L	+1600	-	-	RNP APCH
040	DF	PUKOM (IAF/IF)	-	-	+0.33	-	L	+3300	-210	-	RNP APCH
050	HM	PUKOM (IAF/IF)	Y	205°(204.5°)	+0.33	1 minute	L	+3300	-230	-	RNP APCH

CHANGE : CHART TITLE.

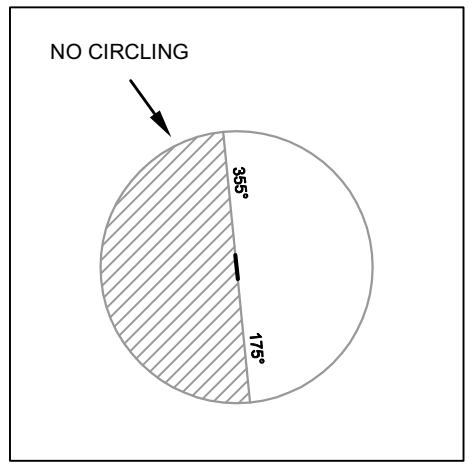
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

SURAT THANI / Samui (VTSM)
RNP RWY17
CAT A, B

WAYPOINT LIST

RNP RWY17		
Waypoint Identifier	**Coordinates**	
DORNA	09° 24' 58.70" N	099° 46' 14.10" E
ENRAG	10° 02' 23.31" N	100° 09' 31.07" E
LAXOS	09° 41' 30.78" N	099° 52' 40.85" E
MESEM	09° 07' 19.05" N	099° 48' 15.85" E
NURLO	09° 44' 05.89" N	100° 17' 57.36" E
PASKI	09° 41' 30.69" N	100° 00' 21.81" E
PUKOM	09° 44' 05.87" N	100° 06' 22.07" E
RUMVA	09° 17' 16.93" N	100° 15' 59.72" E
SM170	09° 33' 19.40" N	100° 03' 42.26" E
SM171	09° 37' 25.40" N	100° 03' 18.29" E
SM172	09° 39' 53.52" N	100° 04' 26.25" E
SM173	09° 39' 03.52" N	100° 02' 07.71" E
SM174	09° 34' 03.10" N	100° 17' 57.17" E
SM175	09° 30' 04.04" N	099° 51' 12.06" E
SM176	09° 20' 06.14" N	099° 49' 54.83" E
SM177	09° 43' 27.23" N	100° 21' 57.26" E
SM900	09° 28 47.41" N	100° 05' 53.06" E
UPNEP	09° 42' 13.10" N	100° 29' 36.40" E



CHANGE : CHART TITLE.

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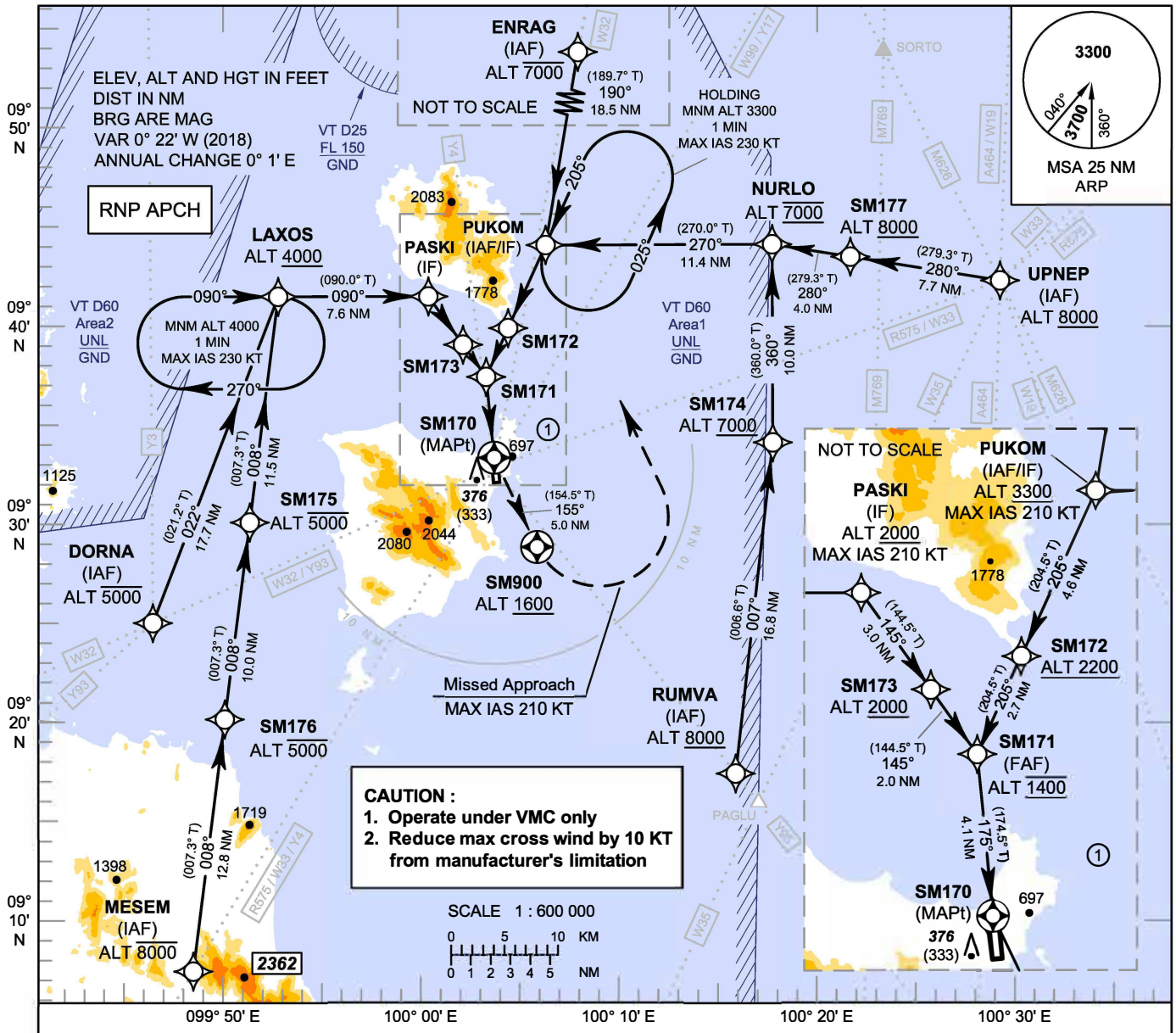
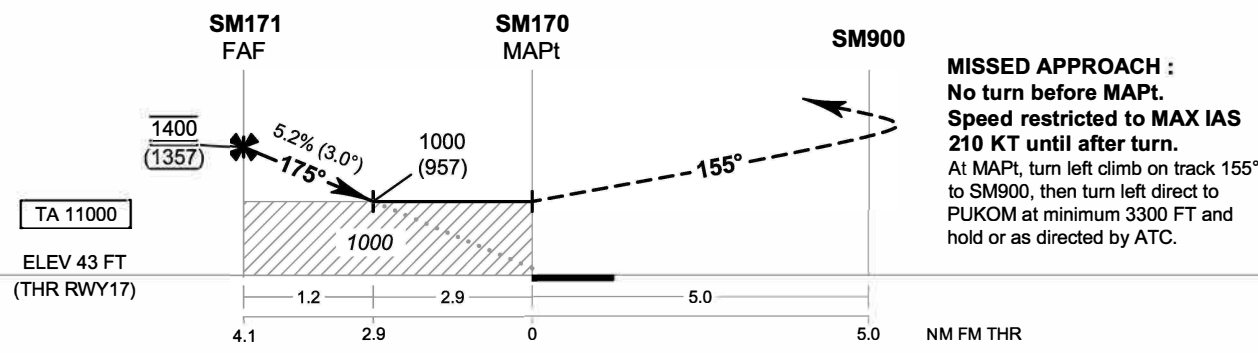
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

APP	: 129.6
TWR	: 118.9
GND	: 121.9
ATIS	: 128.6

SURAT THANI / Samui (VTSM)
RNP RWY17
CAT C





CHANGE : CHART TITLE.

OCA/H	C	NM to NEXT WPT	FAF		4 NM		3 NM	2.9 NM
LNAV	1000 (957)	Altitude (Height)	1400 (1357)		1355 (1312)		1040 (997)	1000 (957)
Circling* (OCH AAL)	1400 (1336)	Ground Speed	knot	70	90	100	120	140 160
* FOR CIRCLING RESTRICTIONS SEE VERSO.		Rate of Descent FAF - MAPt 5.2%	ft/min	369	474	527	632	737 843

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

SURAT THANI / Samui (VTSM)
RNP RWY17
CAT C

TABULAR DESCRIPTION

RNP RWY17

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	RUMVA (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	SM174	-	007°(006.6°)	+0.33	16.8	L	+7000	-	-	RNP APCH
030	TF	NURLO	-	360°(360.0°)	+0.33	10.0	L	@7000	-	-	RNP APCH
040	TF	PUKOM (IAF/IF)	-	270°(270.0°)	+0.33	11.4	L	+3300	-210	-	RNP APCH
050	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
060	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	UPNEP (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	SM177	-	280°(279.3°)	+0.33	7.7	-	+8000	-	-	RNP APCH
030	TF	NURLO	-	280°(279.3°)	+0.33	4.0	L	@7000	-	-	RNP APCH
040	TF	PUKOM (IAF/IF)	-	270°(270.0°)	+0.33	11.4	L	+3300	-210	-	RNP APCH
050	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
060	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	ENRAG (IAF)	-	-	+0.33	-	-	-7000	-	-	RNP APCH
020	TF	PUKOM (IAF/IF)	-	190°(189.7°)	+0.33	18.5	R	+3300	-210	-	RNP APCH
030	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
040	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	MESEM (IAF)	-	-	+0.33	-	-	-8000	-	-	RNP APCH
020	TF	SM176	-	008°(007.3°)	+0.33	12.8	-	-5000	-	-	RNP APCH
030	TF	SM175	-	008°(007.3°)	+0.33	10.0	-	-5000	-	-	RNP APCH
040	TF	LAXOS	-	008°(007.3°)	+0.33	11.5	R	+4000	-	-	RNP APCH
050	TF	PASKI (IF)	-	090°(090.0°)	+0.33	7.6	R	+2000	-210	-	RNP APCH
060	TF	SM173	-	145°(144.5°)	+0.33	3.0	-	+2000	-	-	RNP APCH
070	TF	SM171 (FAF)	-	145°(144.5°)	+0.33	2.0	-	@1400	-	-	RNP APCH
010	IF	DORNA (IAF)	-	-	+0.33	-	-	-5000	-	-	RNP APCH
020	TF	LAXOS	-	022°(021.2°)	+0.33	17.7	R	+4000	-	-	RNP APCH
030	TF	PASKI (IF)	-	090°(090.0°)	+0.33	7.6	R	+2000	-210	-	RNP APCH
040	TF	SM173	-	145°(144.5°)	+0.33	3.0	-	+2000	-	-	RNP APCH
050	TF	SM171 (FAF)	-	145°(144.5°)	+0.33	2.0	-	@1400	-	-	RNP APCH
010	IF	PUKOM (IAF/IF)	-	-	+0.33	-	-	+3300	-210	-	RNP APCH
020	TF	SM172	-	205°(204.5°)	+0.33	4.6	-	+2200	-	-	RNP APCH
030	TF	SM171 (FAF)	-	205°(204.5°)	+0.33	2.7	-	@1400	-	-	RNP APCH
010	IF	SM171 (FAF)	-	-	+0.33	-	-	@1400	-	-	RNP APCH
020	TF	SM170 (MAPt)	Y	175°(174.5°)	+0.33	4.1	-	@93	-	-3.0 / 50	RNP APCH
030	TF	SM900	Y	155°(154.5°)	+0.33	5.0	L	+1600	-	-	RNP APCH
040	DF	PUKOM (IAF/IF)	-	-	+0.33	-	L	+3300	-210	-	RNP APCH
050	HM	PUKOM (IAF/IF)	Y	205°(204.5°)	+0.33	1 minute	L	+3300	-230	-	RNP APCH

CHANGE : CHART TITLE.

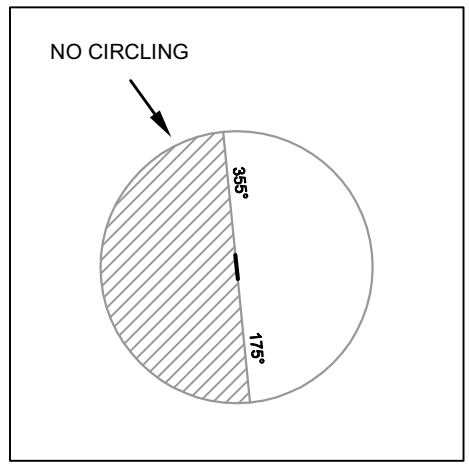
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY17 - ELEV 43 FT

SURAT THANI / Samui (VTSM)
RNP RWY17
CAT C

WAYPOINT LIST

RNP RWY17		
Waypoint Identifier	**Coordinates**	
DORNA	09° 24' 58.70" N	099° 46' 14.10" E
ENRAG	10° 02' 23.31" N	100° 09' 31.07" E
LAXOS	09° 41' 30.78" N	099° 52' 40.85" E
MESEM	09° 07' 19.05" N	099° 48' 15.85" E
NURLO	09° 44' 05.89" N	100° 17' 57.36" E
PASKI	09° 41' 30.69" N	100° 00' 21.81" E
PUKOM	09° 44' 05.87" N	100° 06' 22.07" E
RUMVA	09° 17' 16.93" N	100° 15' 59.72" E
SM170	09° 33' 19.40" N	100° 03' 42.26" E
SM171	09° 37' 25.40" N	100° 03' 18.29" E
SM172	09° 39' 53.52" N	100° 04' 26.25" E
SM173	09° 39' 03.52" N	100° 02' 07.71" E
SM174	09° 34' 03.10" N	100° 17' 57.17" E
SM175	09° 30' 04.04" N	099° 51' 12.06" E
SM176	09° 20' 06.14" N	099° 49' 54.83" E
SM177	09° 43' 27.23" N	100° 21' 57.26" E
SM900	09° 28 47.41" N	100° 05' 53.06" E
UPNEP	09° 42' 13.10" N	100° 29' 36.40" E



CHANGE : CHART TITLE.

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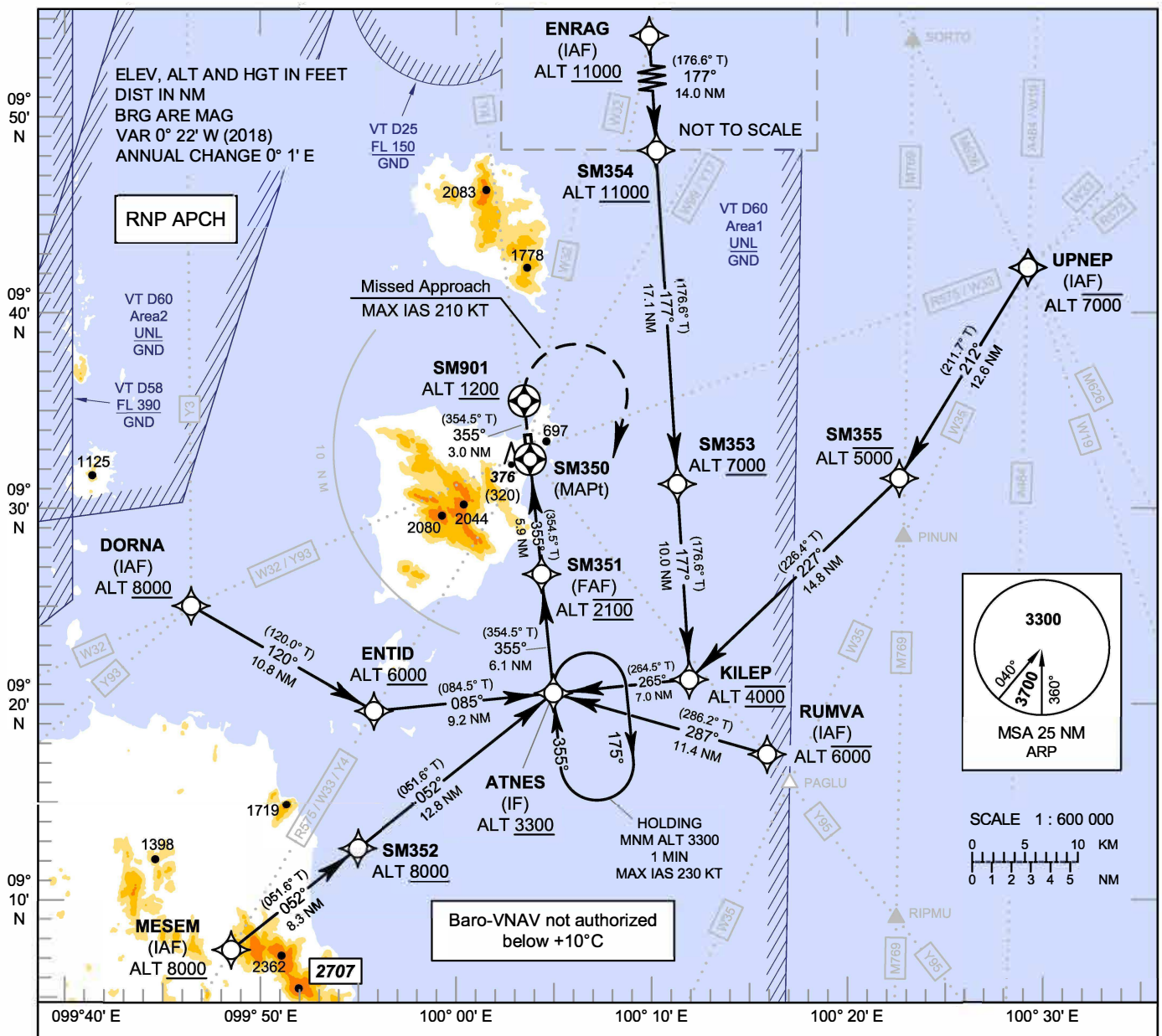
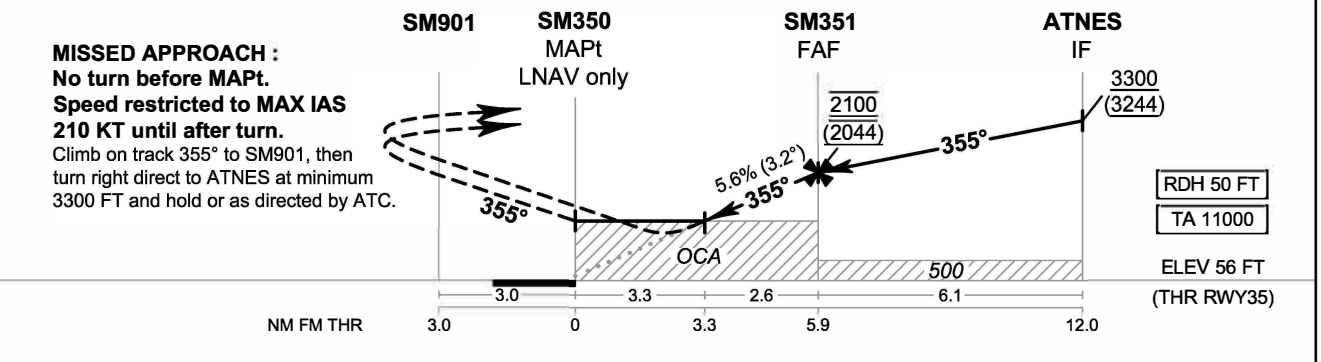
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

APP	: 129.6
TWR	: 118.9
GND	: 121.9
ATIS	: 128.6

SURAT THANI / Samui (VTSM)
RNP RWY35
CAT A, B





MISSED APPROACH :
No turn before MAPt.
Speed restricted to MAX IAS 210 KT until after turn.
Climb on track 355° to SM901, then turn right direct to ATNES at minimum 3300 FT and hold or as directed by ATC.

CHANGE : CHART TITLE.

OCA/H	A	B
LNAV/VNAV	1120 (1064)	
LNAV	1220 (1164)	
Circling* (OCH AAL)	1400 (1336)	
* FOR CIRCLING RESTRICTIONS SEE VERSO.		

NM to NEXT WPT	3.3 NM	4 NM	5 NM	FAF
Altitude (Height)	1220 (1164)	1470 (1414)	1810 (1754)	2100 (2044)

Ground Speed	knot	70	90	100	120	140	160
Rate of Descent FAF - MAPt 5.6%	ft/min	397	510	567	681	794	907

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

SURAT THANI / Samui (VTSM)
RNP RWY35
CAT A, B

TABULAR DESCRIPTION

RNP RWY35

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	UPNEP (IAF)	-	-	+0.33	-	-	-7000	-	-	RNP APCH
020	TF	SM355	-	212°(211.7°)	+0.33	12.6	R	-5000	-	-	RNP APCH
030	TF	KILEP	-	227°(226.4°)	+0.33	14.8	R	@4000	-	-	RNP APCH
040	TF	ATNES (IF)	-	265°(264.5°)	+0.33	7.0	-	+3300	-	-	RNP APCH
010	IF	ENRAG (IAF)	-	-	+0.33	-	-	+11000	-	-	RNP APCH
020	TF	SM354	-	177°(176.6°)	+0.33	14.0	-	+11000	-	-	RNP APCH
030	TF	SM353	-	177°(176.6°)	+0.33	17.1	-	+7000	-	-	RNP APCH
040	TF	KILEP	-	177°(176.6°)	+0.33	10.0	R	@4000	-	-	RNP APCH
050	TF	ATNES (IF)	-	265°(264.5°)	+0.33	7.0	-	+3300	-	-	RNP APCH
010	IF	RUMVA (IAF)	-	-	+0.33	-	-	-6000	-	-	RNP APCH
020	TF	ATNES (IF)	-	287°(286.2°)	+0.33	11.4	-	+3300	-	-	RNP APCH
010	IF	MESEM (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	SM352	-	052°(051.6°)	+0.33	8.3	-	+8000	-	-	RNP APCH
030	TF	ATNES (IF)	-	052°(051.6°)	+0.33	12.8	-	+3300	-	-	RNP APCH
010	IF	DORNA (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	ENTID	-	120°(120.0°)	+0.33	10.8	L	+6000	-	-	RNP APCH
030	TF	ATNES (IF)	-	085°(084.5°)	+0.33	9.2	-	+3300	-	-	RNP APCH
010	IF	ATNES (IF)	-	-	+0.33	-	-	+3300	-	-	RNP APCH
020	TF	SM351 (FAF)	-	355°(354.5°)	+0.33	6.1	-	@2100	-	-	RNP APCH
030	TF	SM350 (MAPt)	Y	355°(354.5°)	+0.33	5.9	-	@106	-	-3.2 / 50	RNP APCH
040	TF	SM901	Y	355°(354.5°)	+0.33	3.0	-	+1200	-	-	RNP APCH
050	DF	ATNES (IF)	-	-	+0.33	-	R	+3300	-210	-	RNP APCH
060	HM	ATNES (IF)	Y	355°(354.5°)	+0.33	1 minute	R	+3300	-230	-	RNP APCH

CHANGE : CHART TITLE.

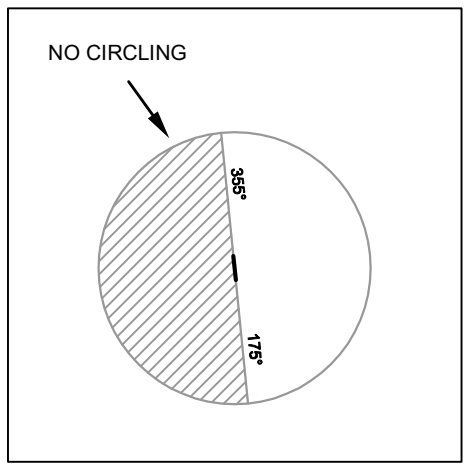
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

SURAT THANI / Samui (VTSM)
RNP RWY35
CAT A, B

WAYPOINT LIST

RNP RWY35		
Waypoint Identifier	**Coordinates**	
ATNES	09° 20' 27.55" N	100° 04' 57.39" E
DORNA	09° 24' 58.70" N	099° 46' 14.10" E
ENRAG	10° 02' 23.31" N	100° 09' 31.07" E
ENTID	09° 19' 33.96" N	099° 55' 40.38" E
KILEP	09° 21' 08.06" N	100° 12' 00.28" E
MESEM	09° 07' 19.05" N	099° 48' 15.85" E
RUMVA	09° 17 16.93" N	100° 15' 59.72" E
SM350	09° 32' 27.55" N	100° 03' 47.31" E
SM351	09° 26' 33.55" N	100° 04' 21.78" E
SM352	09° 12' 29.52" N	099° 54' 49.95" E
SM353	09° 31' 09.79" N	100° 11' 24.06" E
SM354	09° 48' 20.10" N	100° 10' 21.97" E
SM355	09° 31' 25.18" N	100° 22' 53.12" E
SM901	09° 35' 27.55" N	100° 03' 29.78" E
UPNEP	09° 42' 13.10" N	100° 29' 36.40" E



CHANGE : CHART TITLE.

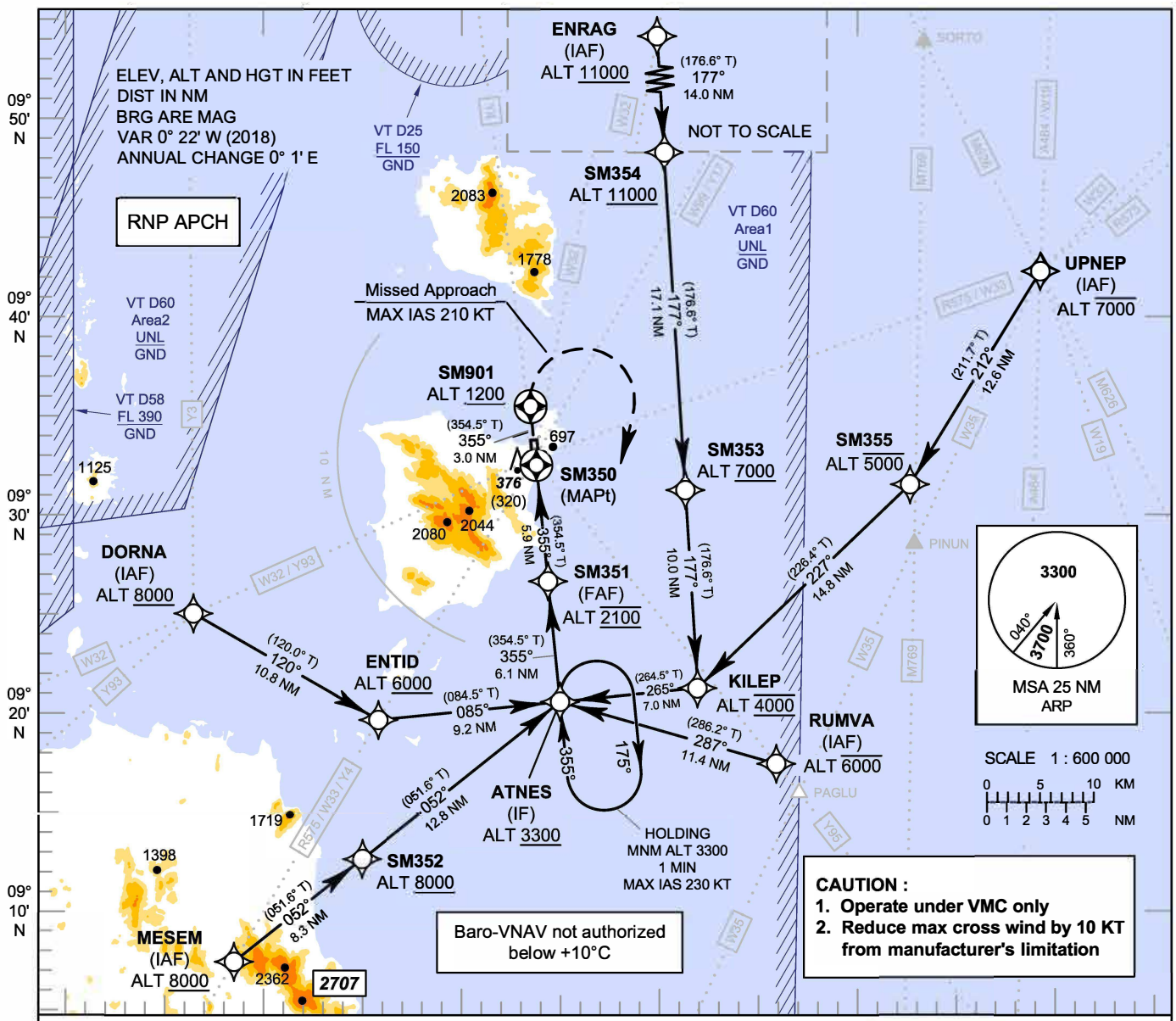
INTENTIONALLY BLANK

INSTRUMENT APPROACH CHART - ICAO

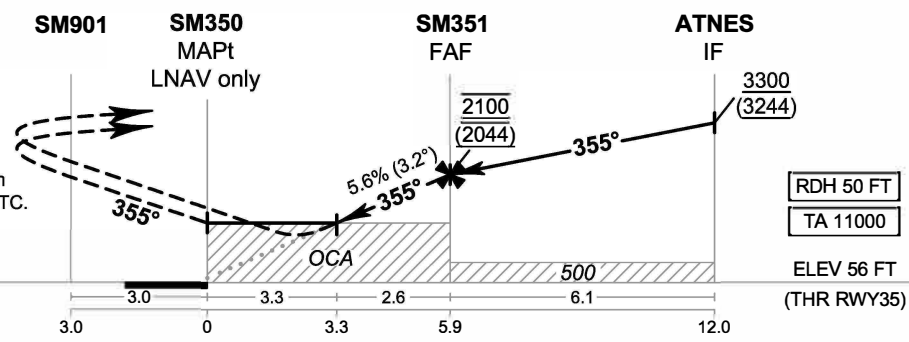
AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

APP	: 129.6
TWR	: 118.9
GND	: 121.9
ATIS	: 128.6

SURAT THANI / Samui (VTSM)
RNP RWY35
CAT C



MISSED APPROACH :
No turn before MAPt.
Speed restricted to MAX IAS 210 KT until after turn.
Climb on track 355° to SM901, then turn right direct to ATNES at minimum 3300 FT and hold or as directed by ATC.



OCA/H	C
LNAV/VNAV	1120 (1064)
LNAV	1220 (1164)
Circling* (OCH AAL)	1400 (1336)
* FOR CIRCLING RESTRICTIONS SEE VERSO.	

NM to NEXT WPT	3.3 NM	4 NM	5 NM	FAF
Altitude (Height)	1220 (1164)	1470 (1414)	1810 (1754)	2100 (2044)

Ground Speed	knot	70	90	100	120	140	160
Rate of Descent FAF - MAPt 5.6%	ft/min	397	510	567	681	794	907

CHANGE : CHART TITLE.

INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

SURAT THANI / Samui (VTSM)
RNP RWY35
CAT C

TABULAR DESCRIPTION

RNP RWY35

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	UPNEP (IAF)	-	-	+0.33	-	-	-7000	-	-	RNP APCH
020	TF	SM355	-	212°(211.7°)	+0.33	12.6	R	-5000	-	-	RNP APCH
030	TF	KILEP	-	227°(226.4°)	+0.33	14.8	R	@4000	-	-	RNP APCH
040	TF	ATNES (IF)	-	265°(264.5°)	+0.33	7.0	-	+3300	-	-	RNP APCH
010	IF	ENRAG (IAF)	-	-	+0.33	-	-	+11000	-	-	RNP APCH
020	TF	SM354	-	177°(176.6°)	+0.33	14.0	-	+11000	-	-	RNP APCH
030	TF	SM353	-	177°(176.6°)	+0.33	17.1	-	+7000	-	-	RNP APCH
040	TF	KILEP	-	177°(176.6°)	+0.33	10.0	R	@4000	-	-	RNP APCH
050	TF	ATNES (IF)	-	265°(264.5°)	+0.33	7.0	-	+3300	-	-	RNP APCH
010	IF	RUMVA (IAF)	-	-	+0.33	-	-	-6000	-	-	RNP APCH
020	TF	ATNES (IF)	-	287°(286.2°)	+0.33	11.4	-	+3300	-	-	RNP APCH
010	IF	MESEM (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	SM352	-	052°(051.6°)	+0.33	8.3	-	+8000	-	-	RNP APCH
030	TF	ATNES (IF)	-	052°(051.6°)	+0.33	12.8	-	+3300	-	-	RNP APCH
010	IF	DORNA (IAF)	-	-	+0.33	-	-	+8000	-	-	RNP APCH
020	TF	ENTID	-	120°(120.0°)	+0.33	10.8	L	+6000	-	-	RNP APCH
030	TF	ATNES (IF)	-	085°(084.5°)	+0.33	9.2	-	+3300	-	-	RNP APCH
010	IF	ATNES (IF)	-	-	+0.33	-	-	+3300	-	-	RNP APCH
020	TF	SM351 (FAF)	-	355°(354.5°)	+0.33	6.1	-	@2100	-	-	RNP APCH
030	TF	SM350 (MAPt)	Y	355°(354.5°)	+0.33	5.9	-	@106	-	-3.2 / 50	RNP APCH
040	TF	SM901	Y	355°(354.5°)	+0.33	3.0	-	+1200	-	-	RNP APCH
050	DF	ATNES (IF)	-	-	+0.33	-	R	+3300	-210	-	RNP APCH
060	HM	ATNES (IF)	Y	355°(354.5°)	+0.33	1 minute	R	+3300	-230	-	RNP APCH

CHANGE : CHART TITLE.

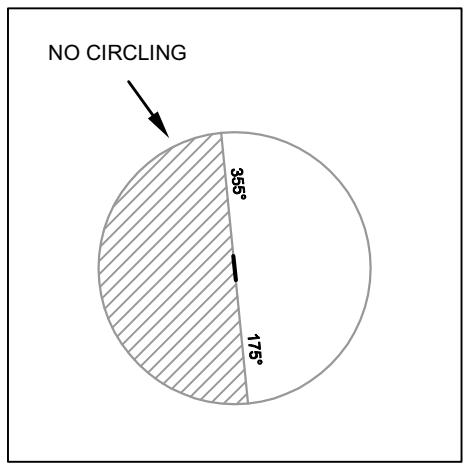
INSTRUMENT APPROACH CHART - ICAO

AERODROME ELEV 64 FT
HEIGHTS RELATED TO
THR RWY35 - ELEV 56 FT

SURAT THANI / Samui (VTSM)
RNP RWY35
CAT C

WAYPOINT LIST

RNP RWY35		
Waypoint Identifier	**Coordinates**	
ATNES	09° 20' 27.55" N	100° 04' 57.39" E
DORNA	09° 24' 58.70" N	099° 46' 14.10" E
ENRAG	10° 02' 23.31" N	100° 09' 31.07" E
ENTID	09° 19' 33.96" N	099° 55' 40.38" E
KILEP	09° 21' 08.06" N	100° 12' 00.28" E
MESEM	09° 07' 19.05" N	099° 48' 15.85" E
RUMVA	09° 17 16.93" N	100° 15' 59.72" E
SM350	09° 32' 27.55" N	100° 03' 47.31" E
SM351	09° 26' 33.55" N	100° 04' 21.78" E
SM352	09° 12' 29.52" N	099° 54' 49.95" E
SM353	09° 31' 09.79" N	100° 11' 24.06" E
SM354	09° 48' 20.10" N	100° 10' 21.97" E
SM355	09° 31' 25.18" N	100° 22' 53.12" E
SM901	09° 35' 27.55" N	100° 03' 29.78" E
UPNEP	09° 42' 13.10" N	100° 29' 36.40" E



CHANGE : CHART TITLE.

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