AD 2. AERODROME

VNSI AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VNSI – SIMARA/Domestic

VNSI AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1.	ARP Coordinates and site at AD	27 09 36 N 084 58 47 E *
2.	Direction and Distance from (city)	20 Km, North of Birgunj City
3.	Elevation/Reference Temperature	137 m.(449ft.)/37° C (June)
4.	MAG VAR/Annual Change	0 ° E
5.	AD Administration, address Telephone, Telefax, Telex AFS	Civil Aviation Authority of Nepal Simara Civil Aviation Office, Simara, Bara Te1- 977-053-520110 Fax - 977-053-520210 AFS - VNSIYDYX
6.	Types of traffic permitted (IFR/VFR)	IFR / VFR
7.	Remarks	

VNSI AD 2.3 OPERATIONAL HOURS

1.	AD Administration	SUN-THU 10:00 -17:00 LT (SUMMER), 10:00-1600 LT (WINTER), FRI 10:00-1500 LT
2.	Customs and immigration	NIL
3.	Health and sanitation	NIL
4.	AIS Briefing Office	NIL
5.	ATS Reporting Office (ARO)	NIL
6.	MET Briefing	Half Hourly METAR provided during ATS Operation Hours
7.	ATS	*1) From 16 Feb - 15 Nov (0015 - 1815) UTC*** *2) From 16 Nov - 15 Feb (0045 - 1815) UTC***
8.	Fuelling	NIL
9.	Handling (Cargo)	NIL
10.	Security	H-24
11.	Remarks	Any change will be notified by NOTAM

* *WGS -84 Coordinates*

** *For operations other than above, Prior Co-ordination is required*

VNSI AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Available with local airlines operator
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	-

VNSI AD 2.5 PASSENGER FACILITIES

1.	Hotels	in the city
2.	Restaurants	in the city
3.	Transportation	Taxi Service, Bus from AD
4.	Medical Facilities	First Aid at AD, Hospitals in the city.
5.	Bank and Post Office	NIL
6.	Tourist Office	In the city.
7.	Remarks	-

VNSI AD 2.6 RESCUE AND FIRE FIGHTING SERVICE

1.	AD Category for firefighting	Category V
2.	Rescue equipment	Available
3.	Capability for removal of disabled aircraft	NIL
4.	Remarks	Complementary Extinguishing Agents and Fire Extinguishers (wheel type fire extinguishers also) Available. 1 Fire Vehicle and 1 Ambulance Available.

VNSI AD 2.7 SEASONAL AVAILABILITY

Aerodrome available throughout the year.

VNSI AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATION DATA

1.	Apron surface and strength	Surface - Asphalt Concrete, Strength - 12/F/C/Y/T
2.	Taxiway width, surface and strength	Width - 18m Surface – Asphalt Concrete, Strength - 10/F/C/Y/T
3.	Altimeter check point location and elevation	Location: - At Apron Elevation:-- 134m/440 ft.
4.	VOR/INS checkpoints	VOR:-Taxi holding position.
5.	Remarks	-

SI124	Chimney	27°8'30.795"N	84°58'2.748"E	147.000/29.541		Ashok Steel
SI125	Fire Station Top	27°9'40.394"N	84°58'45.596"E	147.582/15.086		Airport Fire Station
SI126	Bamboo	27°9'32.675"N	84°58'42.928"E	151.539/29.269		Bamboo Tree Behind Fire Station
SI127	Trees	27°9'12.869"N	84°58'44.202"E	136.911/11.079		Trees South East of RWY 01
SI128	Trees	27°8'50.799"N	84°58'36.941"E	139.716/19.001		Trees Far South from RAW 01 End
SI129	Tree	27°9'19.971"N	84°58'52.925"E	153.073/31.523		Trees East of RWY 01 End
SI130	Tree	27°9'40.629"N	84°58'54.367"E	152.787/20.267		Peepal Tree
SI131	Tree	27°9'42.645"N	84°59'5.553"E	158.440/26.150		Twin Trees East of RWY Center
SI132	Tree	27°9'59.798"N	84°59'11.787"E	170.856/33.817		Tree Behind Playground
SI133	Tree	27°10'4.287"N	84°59'8.491"E	176.336/37.437		Tree - North Side of Playground
SI134	House Top	27°9'58.433"N	84°58'54.817"E	145.789/7.114		Pink House
SI135	House Top	27°10'0.355"N	84°58'54.618"E	147.769/9.087		House With Yellow Tank
SI136	House Top	27°9'59.029"N	84°58'56.232"E	148.365/14.285		White House
SI137	House	27°10'1.467"N	84°58'57.112"E	145.053/10.530		Pink and Brown House
SI138	House	27°9'53.037"N	84°58'57.119"E	142.382/6.725		Office Quarter
SI139	House	27°9'57.729"N	84°58'52.166"E	142.296/5.236		Tile Roof House
SI140	Factory Top With Chimney	27°9'0.060"N	84°58'47.350"E	144.035/20.256		Classic Industries Pvt. Ltd
SI141	Chimney	27°8'25.870"N	84°57'52.740"E	147.139/29.643		Himadri Food Product Pvt. Ltd
SI142	Chimney	27°8'59.672"N	84°58'25.483"E	151.293/29.876		Nandan Banaspati Ghee
SI143	Hotel Top	27°9'5.765"N	84°58'25.966"E	138.671/17.254		Ichhya Hotel Top
SI144	House Top	27°9'59.067"N	84°58'48.298"E	143.470/6.706		White House

VNSI AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1.	Associated MET Office	MET office, Simara AIRPORT
2.	Hours of service MET office outside hours	As ATS
3.	Office responsible for TAF preparation periods of validity	NIL
4.	Type of landing forecast interval of issuance	NIL
5.	Briefing/Consultation provided	METAR
6.	Flight documentation language used	Charts or Tabular forms Text English
7.	Charts and other information available for briefing or consultation	NIL
8.	Supplementary equipment available for providing information	Self- briefing terminal
9.	ATS units provided with information	Simara TWR
10.	Additional information limitation of service, etc.)	Tel : (MET Office) 977-053-520081

[*] *WGS -84 Coordinates*

VNSI AD 2.16 HELICOPTER LANDING AREA

Not specified

VNSI AD 2.17 ATS AIRSPACE

1. Designation and lateral limits	Simara CTR: An area bounded by VNSM boundary to the south and an arc of a circle 20 NM in radius centered at 'SMR' VOR (270951N, 0845856E*) Simara ATZ: An area of a circle of radius 5 NM centered at 'ARP' (270936 N, 0845847 E)	
2. Vertical Limits	CTR	ATZ
	7500' AMSL GND	2000' AGL GND
3. Airspace classification	C	
4. ATS units call sign/languages(s)	Simara TWR/English	
5. Transition Altitude	13500' AMSL	
6. Remarks	-	

VNSI AD 2.18 ATS COMMUNICATION FACILITIES

Service Designation	Call Sign	Frequency	Hours of Operation**	Remarks
12	2	3	4	5
TWR	Simara Tower	118.3 MHZ	*1) From 16 Feb - 15 Nov (0015 - 1815) UTC*** *2) From 16 Nov - 15 Feb (0045 - 1815) UTC***	

VNSI AD 2.19 RADIO NAVIGATION AND LANDING AID

Type of Aid	Identification	Frequency	OPR Hours	Coordinates	Remarks
1	2	3	4	5	6
DVOR/DME	SMR	112.9 MHZ CHN 76 X	H24	270951 N* 0845856 E	

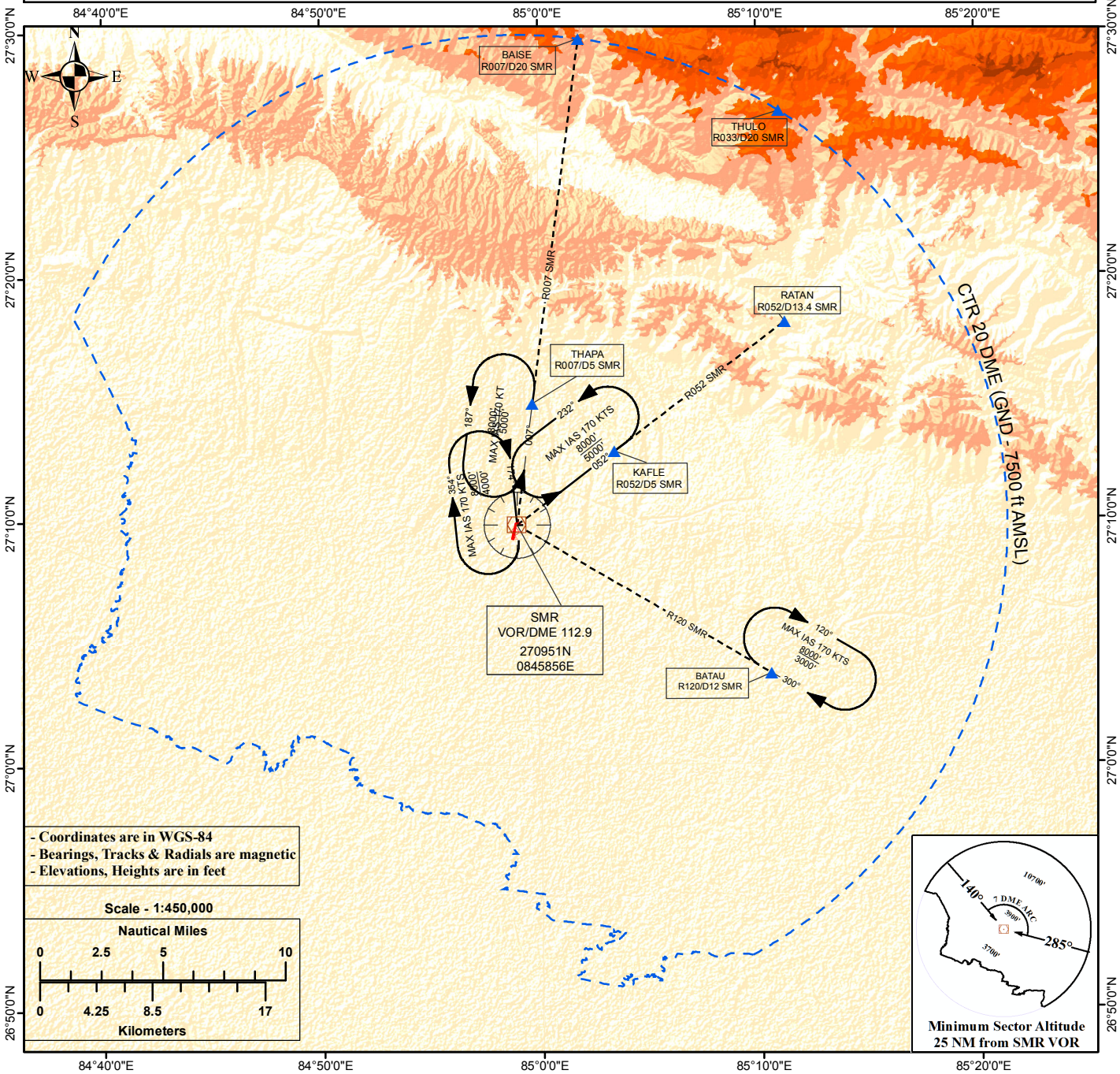
* *WGS -84 Coordinates*
** *For operations other than above, Prior Co-ordination is required*

VNSI AD 2.24 CHARTS & PROCEDURES RELATED TO SIMARA AIRPORT

Aerodrome Chart	VNSI AD 2-11
IFR Holding Points	VNSI AD 2-12
Standard Departure Chart – RWY 19	VNSI AD 2-13
Instrument Approach Chart - ICAO	VNSI AD 2-14
Standard Arrival Chart Instrument (STAR) - ICAO DUMSI 1A Arrival, THULO 2A Arrival	VNSI AD 2-15
Instrument Approach Chart – ICAO	VNSI AD 2-16

AERODROME ELEVATION 449' **TRANS LEVEL FL150** **TRANS ALT 13500** **VAR 0°E (2012)**	**TWR 118.3**	**SIMARA, NEPAL** **Simara Airport** **VOR 'SMR' 112.9**

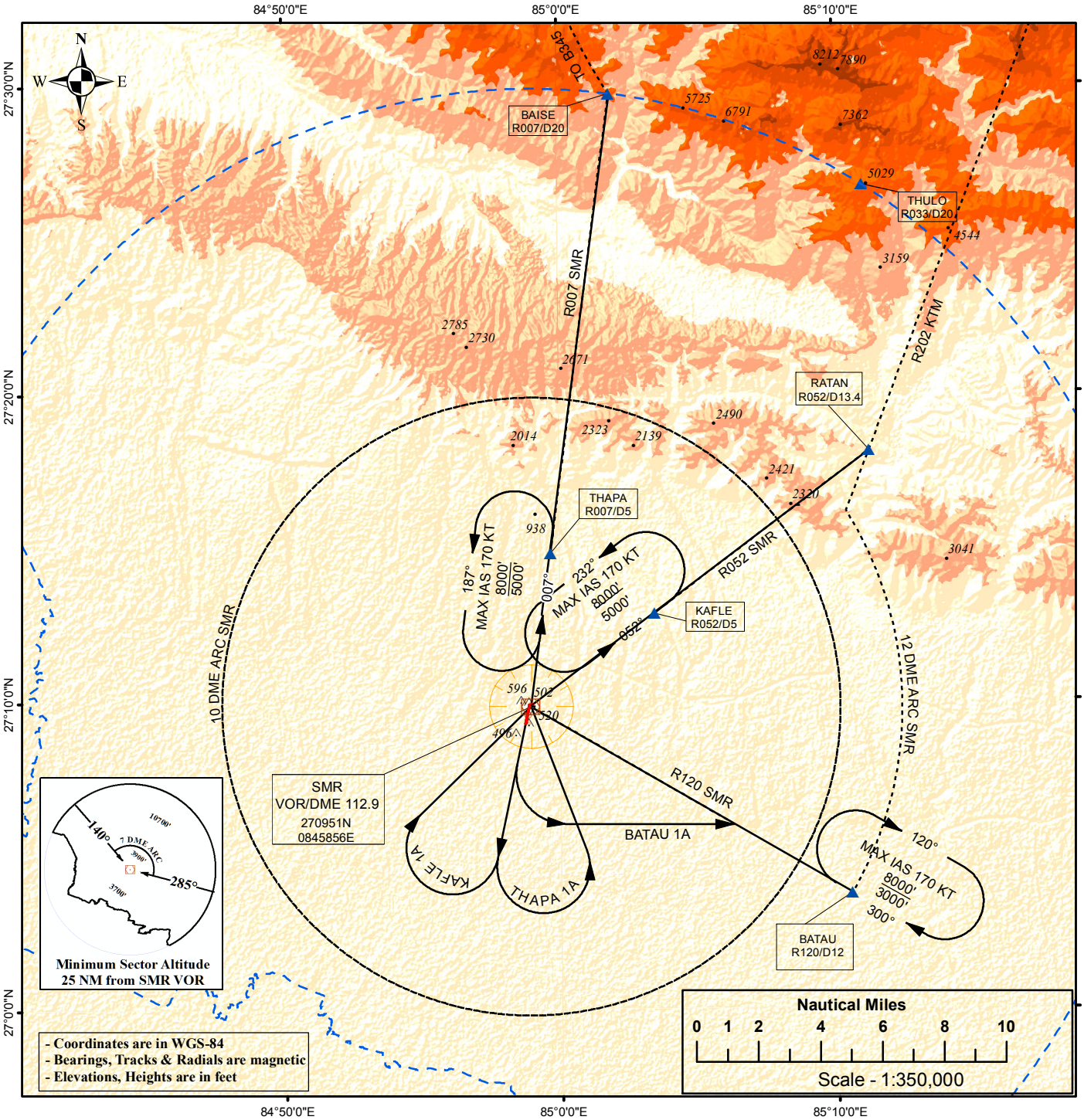
IFR Holding Points



Holding	Location	Max. Altitude / Min. Altitude	Max. IAS	Pattern	Inbound Track	Outbound Leg
SMR VOR	Over SMR VOR/DME	8000 ft AMSL / 4000 ft AMSL	170 KTS	Right	174°	1 Minute
KAFLE	R052/D5 SMR VOR/DME	8000 ft AMSL / 5000 ft AMSL	170 KTS	Left	052°	1 Minute
THAPA	R007/D5 SMR VOR/DME	8000 ft AMSL / 5000 ft AMSL	170 KTS	Left	007°	1 Minute
BATAU	R120/D12 SMR VOR/DME	8000 ft AMSL / 3000 ft AMSL	170 KTS	Right	300°	1 Minute

Note: *BATAU holding is laterally separated with THAPA, KAFLE and SMR VOR holding.*

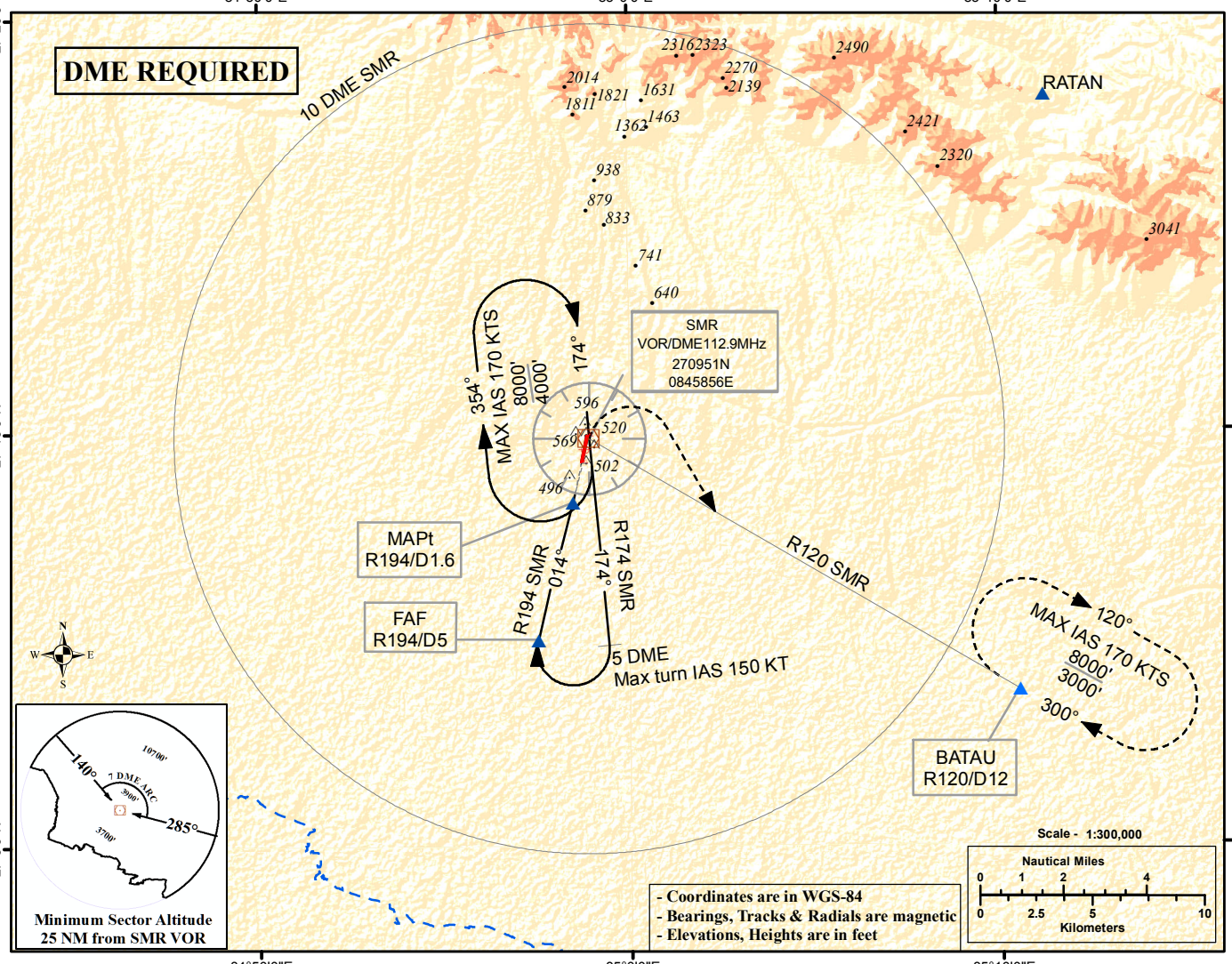
STANDARD DEPARTURE CHART - INSTRUMENT (SID) - ICAO	AERODROME ELEVATION 449' TRANS LEVEL FL150 TRANS ALT 13500 VAR 0°E (2012)	TWR 118.3	SIMARA, NEPAL Simara Airport KAFLE 1A, THAPA 1A, BATAU 1A VOR 'SMR' 112.9

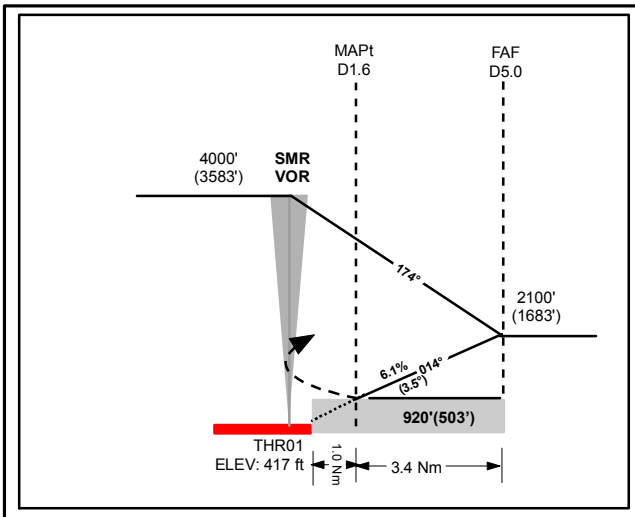


MINIMUM VISIBILITY REQUIRED- 1500M

SID	RWY	ROUTING	TRANSITION
KAFLE 1A PDG (5.4%)	19	Departure turn limited to 180 KT IAS. Climb straight ahead. At 5 DME, turn RIGHT to SMR VOR at or above 5000 ft. Then follow SMR outbound R052 to KAFLE H.P.	Reach 8000 ft over KAFLE and follow outbound R052 SMR to RATAN at or above 11500 ft.
THAPA 1A PDG (5.1%)	19	Departure turn limited to 180 KT IAS. Climb straight ahead. At 5 DME, turn LEFT to SMR VOR at or above 5000 ft. Then follow SMR outbound R007 to THAPA H.P.	Reach 6000 ft over THAPA and follow outbound R007 SMR to BAISE at or above 10500 ft. Then join B345 via 20 DME arc KTM.
BATAU 1A PDG (4.9%)	19	Departure turn limited to 150 KT IAS. Climb straight ahead. At 1000 ft, turn LEFT and intercept outbound R120 SMR VOR to BATAU H.P. at or above 3000 ft.	Reach 8000 ft over BATAU and follow 12 DME arc SMR VOR/DME and intercept R202 KTM by RATAN at or above 11500 ft.

INSTRUMENT APPROACH CHART - ICAO	AERODROME ELEVATION 449' TRANS LEVEL FL150 TRANS ALT 13500 VAR 0°E (2012)	TWR 118.3	SIMARA, NEPAL Simara Airport VOR y RWY 01 VOR 'SMR' 112.9





FAF to TH01: 4.4 NM				
GS	60	90	120	150
Min:Sec	4:24	2:56	2:12	1:46
Feet/min @ 6.1%	370	560	740	930

Missed Approach:

- No turn before MAPt.
- Maximum turn IAS 150 kt.

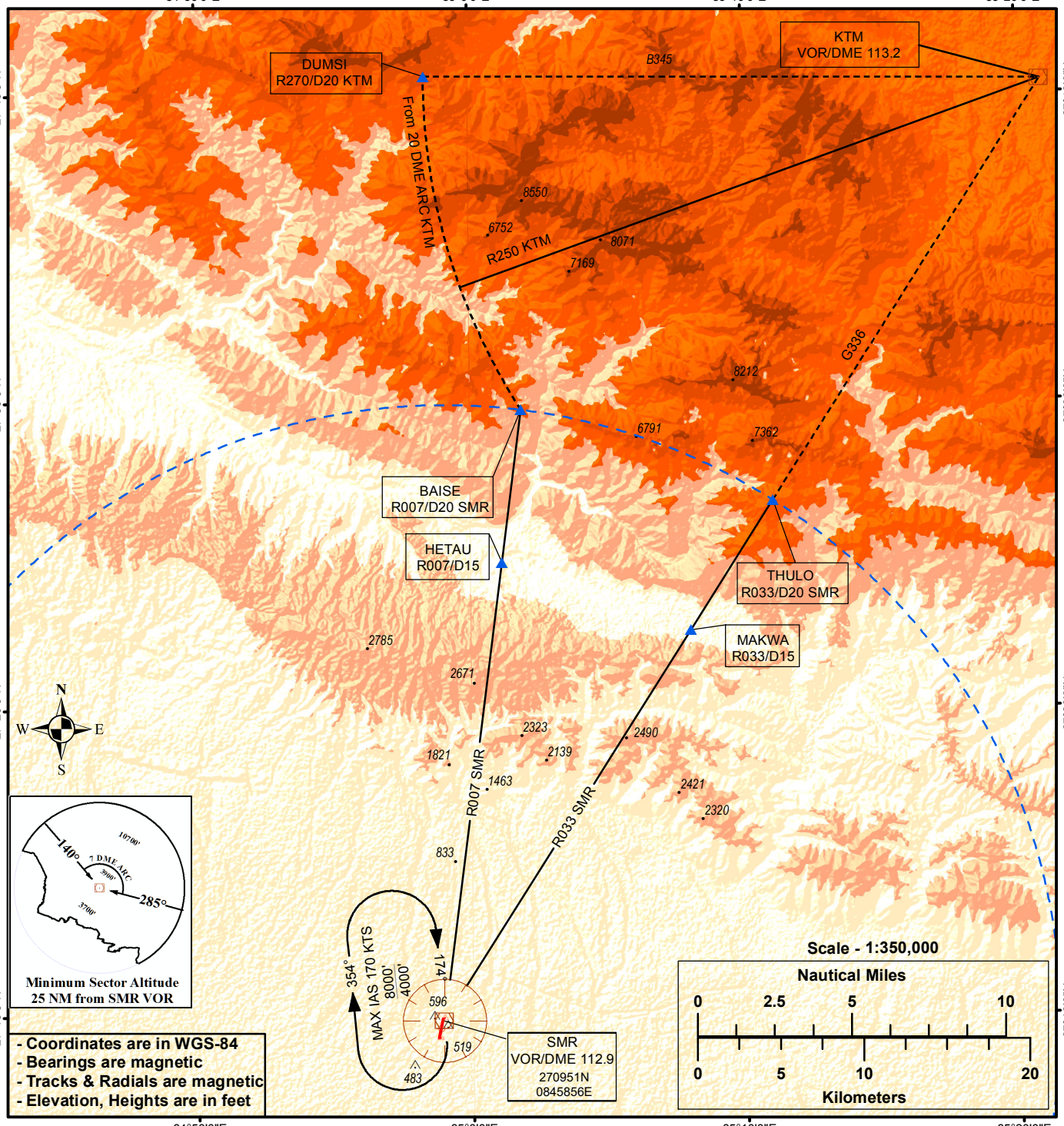
Continue inbound to SMR VOR. At SMR VOR turn right to intercept R120 SMR to BATAU H.P. at or above 3000 ft.

This procedure requires 2.8% minimum climb gradient at missed approach.

	Aircraft Category			
	A		B	
	OCA (OCH)	Visibility	OCA (OCH)	Visibility
Straight-in	920' (503')	2400 m	920' (503')	2400 m
Circling	NOT AUTHORIZED			

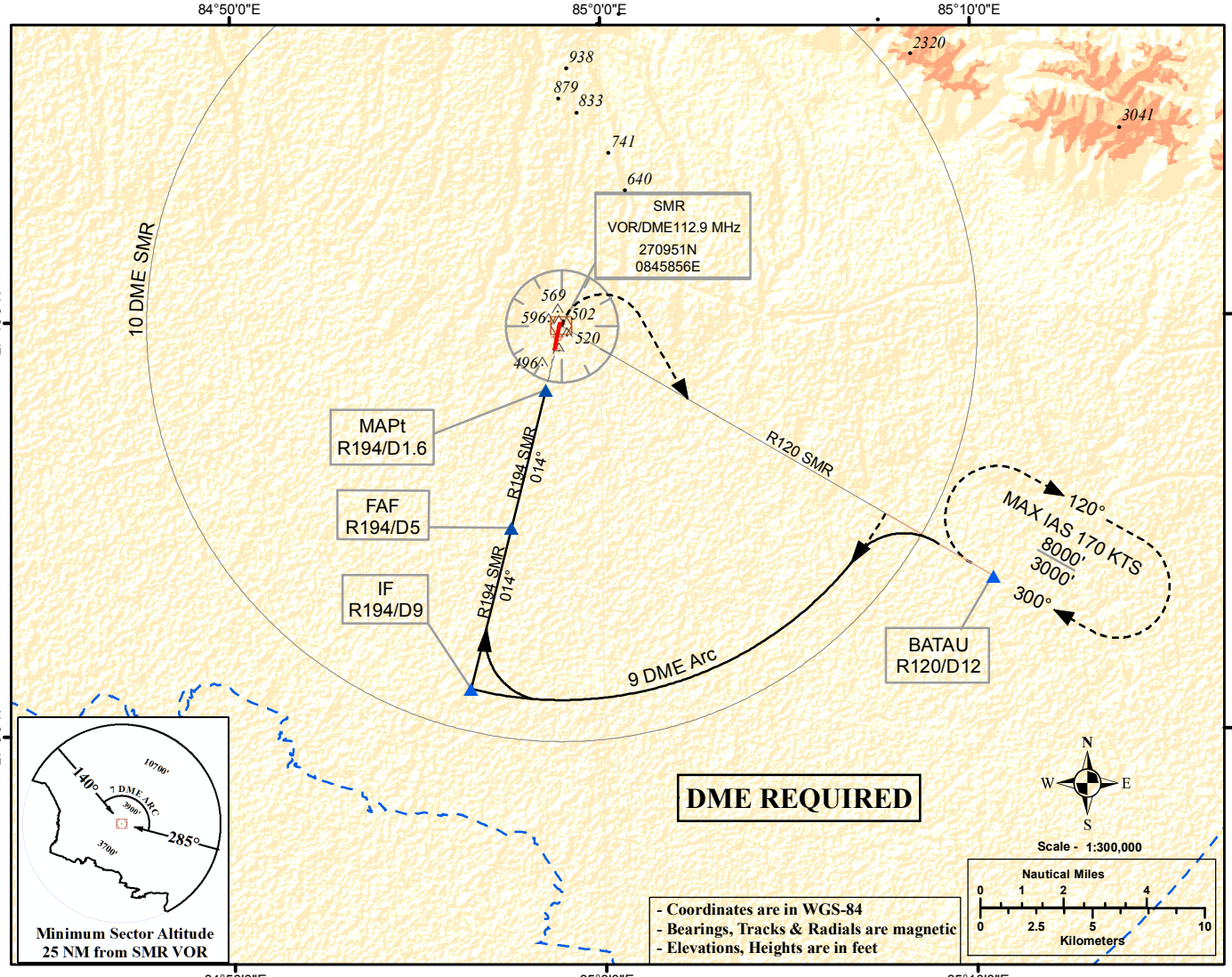
Note: *Approach Lighting System NOT available for RWY 01.*

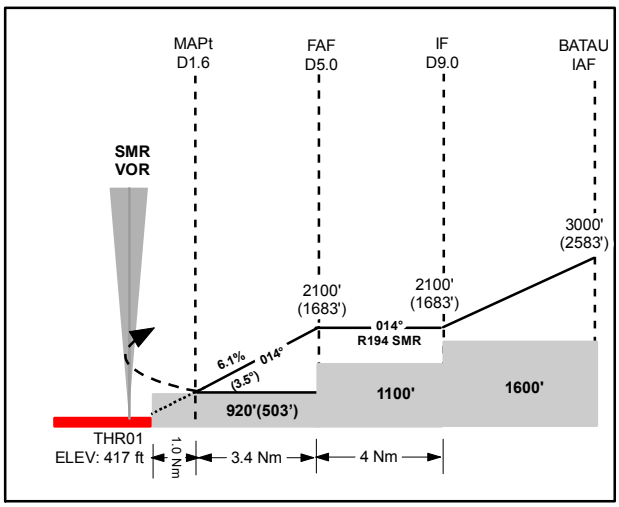
STANDARD ARRIVAL CHART - INSTRUMENT (STAR) - ICAO	AERODROME ELEVATION 449' TRANS LEVEL FL150 TRANS ALT 13500 VAR 0°E (2012)	TWR 118.3	SIMARA, NEPAL Simara Airport DUMSI 1A Arrival THULO 2A Arrival VOR 'SMR' 112.9



STAR	Routing
DUMSI 1A	From DUMSI (R270/D20 KTM) proceed to BAISE (R007/D20 SMR) via 20 DME arc KTM. Crossing R250 KTM descent to 9500 ft or above to BAISE. Then follow SMR inbound R007 to HETAU at or above 7500 ft. Then to SMR VOR at or above 4000 ft.
THULO 2A	Reach THULO (R033/D20 SMR) at or above 10000 ft. Then follow inbound R033 SMR to MAKWA (R033/D15 SMR) at or above 8000 ft. Then to SMR VOR at or above 4000 ft.

INSTRUMENT APPROACH CHART - ICAO	AERODROME ELEVATION 449' TRANS LEVEL FL150 TRANS ALT 13500 VAR 0°E (2012)	TWR 118.3	SIMARA, NEPAL Simara Airport VOR z RWY 01 VOR 'SMR' 112.9





Missed Approach:

- No turn before MAPt.
- Maximum turn IAS 150 kt.

Follow R194 to SMR VOR. At SMR VOR turn right to BATAU H.P. at or above 3000 ft.

This procedure requires 2.8% minimum climb gradient at missed approach.

FAF to TH01: 4.4 NM				
GS	60	90	120	150
Min:Sec	4:24	2:56	2:12	1:46
Feet/min @ 6.1%	370	560	740	930

	Aircraft Category			
	A		B	
	OCA (OCH)	Visibility	OCA (OCH)	Visibility
Straight-in	920' (503')	2400 m	920' (503')	2400 m
Circling	NOT AUTHORIZED			

Note: *Approach Lighting System NOT available for RWY 01.*