

VTUD AD 2. AERODROMES

VTUD AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTUD- UDON THANI / UDON THANI AIRPORT

VTUD AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	172311.17N 1024717.69E
2	Direction and distance from (city)	3 km SW, from city
3	Elevation/Reference temperature	579 ft 26°C
4	MAG VAR/Annual change	0° 49'W (2010) / 2'W
5	AD Administration, address, telephone, telefax, telex, AFS	Director of Udon Thani Airport Udon Thani Airport Tambon Makkhaeng, Amphoe Muang, Udon Thani Province 41000 Thailand. TEL. (042) 244426 FAX. (042) 246804 AFS : VTUDYDYX
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	Nil

VTUD AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300-1430 *After this period 1 HR PN to ATC.
2	Customs and immigration	On request
3	Health and sanitation	On request
4	AIS Briefing Office	2300-1430
5	ATS Reporting Office (ARO)	-
6	MET Briefing Office	-
7	ATS	2300-1430 Other than this period 1 HR PN to ATC.
8	Fuelling	2300-1400

VTUD AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	-
2	Fuel/oil types	Jet A-1, AVGAS
3	Fuelling facilities/capacity	1 JET A-1 Refueller @ 12,000 L 1 JET A-1 Refueller @ 8,000 L 1 AVGAS DC Motor Dispenser from drum 200 L

VTUD AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	In the city
3	Transportation	Limousine

VTUD AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 8
2	Rescue equipment	Yes
3	Capability for removal of disabled aircraft	-
4	Remarks	Nil

VTUD AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

VTUD AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface: Concrete Strength: PCN 61/R/C/X/T
2	Taxiway width, surface and strength	Width: 23 M Surface: Concrete Strength PCN 61/R/C/X/T

VTUD 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	Marked
2	RWY and TWY markings and LGT	RWY and TWY : Marked and lighted

VTUD AD 2.10 AERODROME OBSTACLES

In approach /TKOF areas			In circling areas and at AD		Remarks
1			2		
RWY/Area affected	Obstacle type Elevation Markings /LGT	Coordinates	Obstacle type Elevation Markings/LGT	Coordinates	
a	b	c	a	b	
-	Radio mast HGT 80 M painted red/ white LGTD on top	172444N 1024733E	-	-	
	Radio mast HGT 105 M painted red/ white LGTD on top.	172655N 1024714E			
	Two Radio masts HGT 120 M Painted red/white LGTD on top.	172455N 1024738E 172343N 1024743E			

VTUD AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Air-Force intelligence Agency : Air Div Wing 23 Aeronautical Radio of Thailand Company Ltd. Airports of Thailand Public Company Ltd. Thai Airways International Public Company Ltd.
2	Hours of service MET Office outside hours	2300-1300
3	Office responsible for TAF Preparation Periods of validity	Supply TAF from Northeastern Regional Met. Center
4	Type of landing forecast Interval of issuance	Supply TAF from Northeastern Regional Met. Center
5	Briefing/consultation provided	No
6	Flight documentation Language (s) used	-
7	Charts and other information available for briefing or consultation	Daily Weather Forecast
8	Supplementary equipment available for providing information	AWOS
9	ATS units provided with information	-
10	Additional information (Limitation of service, etc.)	IP system

VTUD AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE & MAG BRG	Dimensions of RWY (m)	Strength (PCN) and surface of RWY and SWY	THR coordinates	THR elevation and highest elevation of TDZ of precision APP RWY	
1	2	3	4	5	6	
12	117.69°	3 048x45	65/F/C/X/T Asphalt	172333.72N 1024631.65E (WGS-84)	THR 579 ft TDZ 579 ft	
30	297.68°	3 048x45	65/F/C/X/T Asphalt	172248.62N 1024803.73E (WGS-84)	THR 579 ft TDZ 579 ft	
Slope of RWY-SWY		SWY dimensions (m)	CWY dimension (m)	Strip dimensions (m)	OFZ	Remarks
7	8	9	10	11	12	
-		300x45	Nil	3 768x300	-	-
-		300x45	Nil	3 768x300	-	-

VTUD AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
12	3 048	3 048	3 348	3 048	No SWY lights
30	3 048	3 048	3 348	3 048	No SWY lights

VTUD AD 2.14 APPROACH AND RUNWAY LIGHTING

RWY Desig- nator	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
12	SALS 420 m LIH	GREEN	PAPI Left 3°	Nil	Nil	3 048 m 60 m White LIH	Red	Nil	Nil
30	SALS 420 m LIH	GREEN	PAPI Left 3°	Nil	Nil	3 048 m 60 m White LIH	Red	Nil	Nil

VTUD AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation.	ABN: At Tower Building, FLG WG EV 4 SEC. IBN : Nil
2	LDI location and LGT Anemometer location and LGT.	-
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 13 SEC
5	Remarks	Nil

VTUD AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	A circle of 5 NM radius centred on UDN DVOR/DME (172304.20N1024630.05E (WGS-84))
2	Vertical limits	3 000 ft/AGL
3	Airspace classification	C
4	ATS unit call sign Language (S)	Udon Tower En, Thai
5	Transition altitude	11 000 ft
6	Remarks	Nil

VTUD AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Udon Approach	126.2 MHz 265.9 MHz	2300-1430	*Emergency Freq.
TWR	Udon Tower	*121.5 MHz 122.5 MHz *243.0 MHz 355.4 MHz		**Other than this period 1 HR PN to ATC
GND	Ground Control	121.9 MHz 275.8 MHz		
G/A/G	Udon Radio	6595 KHz 5631 kHz		Primary Freq. } Upper Secondary Freq. } Side band
ATIS	Udon airport	236 kHz (ON VOICE CH OF UD NDB) 392.5 MHz	0100-0900 (MON-FRI)	

VTUD 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 oper- ation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB	UD	236 kHz	H24	172316.17N 1024611.49E		<p>DVOR/DME restriction, due to mountainous terrain surround DVOR/DME station coverage check does not provide adequate signal at required altitudes in various areas as follow;</p> <p>1. 20 NM orbit (due to border limited) - RDL331°-030° ALT should not below 2500 FT</p> <p>2. 40 NM orbit - RDL031°-090° ALT should not below 3000 FT - RDL091°-190° ALT should not below 4000 FT - RDL191°-220° ALT should not below 5000 FT - RDL221°-330° ALT should not below 4000 FT</p> <p>3. The airways were checked and result found satisfactory - Airway W15 on RDL097° flown to 40.1 NM ALT 4000 FT - Airway W4 on RDL143° flown to 50.0 NM ALT 4000 FT</p> <p>- Designated operational coverage 18 NM ±10° and 10 NM ±35° of localizer course, no back course and voice feature, the antenna array is located on extended runway centre line at distance 505 m from THR of runway 12.</p> <p>- Glide path 3° - DME co-located with Glide Slope power output 100 watts Uni-directional.</p> <p>Military Facilities PN 30 min to ATC</p>
DVOR/DME	UDN	114.3 MHz CH90X		172304.20N 1024630.05N (WGS-84)		
ILS CAT I LOC RWY 30	IUDN	110.1 MHz		172341.25N 1024616.25E (WGS-84)		
GP/DME		334.4 MHz CH38X		172256.70N 1024755.94E (WGS-84)		
TACAN	UDN	CH86		1722.9N 10248.1E		

VTUD AD 2.20 LOCAL TRAFFIC REGULATIONS
VFR REPORTING POINTS AND LOCAL PROCEDURES

Udon Thani Airport

1. Reporting points for VFR flight In order to expedite and maintain an order flow of air traffic into Udon Thani Airport, the procedures of the inbound traffic of VFR flight, conventional and prop-jet aircraft be set up as follow :
 - a) Aircraft entering to land from north and northeast of Udon Thani Airport, will report over Bantin District, designated as TANGO (1739.6N 10247.6E) which is 17 NM on R-360 of UD VOR. When reaching TANGO the aircraft will be instructed to join aerodrome traffic pattern accordingly.
 - b) Aircraft entering to land from east and southeast of Udon Thani Airport, will report over Nonghan District, designated as NOVEMBER (1721.5N 10306.1E) which is 17 NM on R-095 of UD VOR. When reaching NOVEMBER the aircraft will be instructed to join aerodrome traffic pattern accordingly.
 - c) Aircraft entering to land from south and southwest of Udon Thani Airport, will report over Ban Dongrueng, designated as ROMEO (1709.5N 10258.0E) which is 16 NM on R-145 of UD VOR. When reaching ROMEO the aircraft will be instructed to join aerodrome traffic pattern accordingly.
 - d) Aircraft entering to land from west of Udon Thani Airport, will report over Ban Hua Khua (Hui Luang Reservoir) designated as HOTEL (1725.0N 10236.5E) which is 12 NM on R-280 of UD VOR. When reaching HOTEL the aircraft will be instructed to join aerodrome traffic pattern accordingly.
2. Aerodrome traffic circuit
Using both sides of traffic circuit.
3. Overhead approach pattern.
 - a) Using runway 12 by right turn pattern.
 - b) Using runway 30 by left turn pattern.

VTUD AD 2.23 ADDITIONAL INFORMATION

- Royal Thai Air Force ASR/SSR facilities installed and operations details as follows:

Radio call sign	:	UDON Departure Control / UDON Arrival Control
DEP freq	:	134.1 and 261.4 MHz
ARR freq	:	119.6, 298.0 and 382.4 MHz
Cover range / height	:	ASR 70 NM / 40 000 FT
		SSR 200 NM / 100 000 FT
Hours of operations	:	Monday-Friday 0100-0900
Emission	:	ASR 500 KW, SSR 1.5 KW
Remarks	:	Available for Military.

- BAK 14 RAG installed at 427 M from threshold runway 12 and 30 cable height 3 inches.
- Net Barrier installed on both side of runway 12/30 at 15 M from threshold.

VTUD AD 2.24 CHARTS RELATED TO AN AERODROME

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Instrument Approach Chart - ICAO - RWY 12 - NDB	VTUD AD 2-13	
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Instrument Approach Chart - ICAO - RWY 12 – VOR/DME	VTUD AD 2-17	
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Instrument Approach Chart - ICAO - RWY 30 – ILS or LLZ	VTUD AD 2-21	

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