

**STANDARD DEPARTURE CHART -
INSTRUMENT (SID) - ICAO**

**UDON THANI / Udon Thani (VTUD)
RNAV RWY12**

ANPUS1B ELNET1B ESGIB1B
GULNO1B POVEX1B SURGU1B TERCO1B

TABULAR DESCRIPTION (2)

RNAV RWY12											
Serial Number	Path Descriptor	Waypoint Identifier	Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/TCH	Navigation Specification
SURGU1B											
010	-	DER RWY12	-	-	+0.91	-	-	-	-	-	RNP 1
020	CF	AKTEN	Y	118°(117.0°)	+0.91	3.5	-	-	-230	-	RNP 1
030	DF	LUBKA	-	-	+0.91	-	R	+3500	-250	-	RNP 1
040	TF	NUPDU	-	211°(210.0°)	+0.91	7.0	-	-9000	-	-	RNP 1
050	TF	UD128	-	256°(255.3°)	+0.91	5.2	-	-10000	-	-	RNP 1
060	TF	SAGBA	-	256°(255.3°)	+0.91	10.2	-	+11000	-	-	RNP 1
070	TF	SURGU	-	256°(255.2°)	+0.91	7.0	-	+11000	-	-	RNP 1
TERCO1B											
010	-	DER RWY12	-	-	+0.91	-	-	-	-	-	RNP 1
020	CF	AKTEN	Y	118°(117.0°)	+0.91	3.5	-	-	-230	-	RNP 1
030	DF	LUBKA	-	-	+0.91	-	R	+3500	-250	-	RNP 1
040	TF	NUPDU	-	211°(210.0°)	+0.91	7.0	-	-9000	-	-	RNP 1
050	TF	TERCO	-	229°(227.8°)	+0.91	17.6	-	-	-	-	RNP 1

WAYPOINT LIST

RNAV RWY12					
Waypoint Identifier	Coordinates		Waypoint Identifier	Coordinates	
DER RWY12	17° 22' 48.62" N	102° 48' 03.73" E	LIDBO	17° 14' 03.45" N	102° 33' 42.65" E
ADNOL	17° 26' 44.78" N	102° 56' 07.85" E	LUBKA	17° 13' 47.25" N	102° 50' 22.35" E
AKTEN	17° 21' 12.77" N	102° 51' 19.30" E	NUPDU	17° 07' 41.39" N	102° 46' 43.01" E
ANPUS	16° 57' 59.70" N	102° 46' 51.15" E	POVEX	16° 59' 05.19" N	103° 05' 29.66" E
BOTMU	17° 33' 59.49" N	102° 57' 27.11" E	SAGBA	17° 03' 45.63" N	102° 31' 11.90" E
BUGDU	17° 09' 33.14" N	102° 58' 49.31" E	SUGLO	17° 40' 53.99" N	102° 46' 31.13" E
ELNET	17° 46' 25.01" N	102° 37' 45.95" E	SURGU	17° 01' 57.87" N	102° 24' 08.06" E
ESGIB	17° 24' 58.25" N	102° 15' 13.93" E	TERCO	16° 55' 49.66" N	102° 33' 07.98" E
GULNO	17° 19' 14.93" N	103° 17' 35.08" E	UD127	17° 06' 54.37" N	102° 48' 50.25" E
IBEGA	17° 43' 39.55" N	102° 42' 08.61" E	UD128	17° 06' 22.50" N	102° 41' 30.85" E
LEVGA	17° 20' 42.77" N	103° 05' 45.34" E			