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AIP - THAILAND
Amendment 23
10 NOV 16

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1. Insert the attached replacement pages. The checklist (GEN 0.4-1 to GEN 0.4-11) gives lists of pages that are current in the whole AIP after the incorporation of this amendment. New or replacement pages are indicated with an asterisk (*). Amended text has been identified by a vertical line, or an arrow in the margin of the replacement pages.
 2. Record entry of amendment on page GEN 0.2-1.
 3. This amendment incorporates information contained in the following which are hereby superseded:

NOTAM 2015

A2747/C4377

A1702/C2808

NOTAM 2016

C2920
A1744 / C2652

C2429
C3144

AIP Supplement : Series "A"

2015 : A17, A8
2016 : A4

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VTBS AD 2-178	29 Jul 10	VTBU AD 2-26/Chart	10 Dec 08	VTSS AD 2-23/Chart	21 Jul 16
VTBS AD 2-179/Chart	29 Jul 10	VTBU AD 2-27/Chart	10 Dec 08	VTSS AD 2-25/Chart	21 Jul 16
VTBS AD 2-181/Chart	29 Jul 10			VTSS AD 2-27/Chart	25 Jul 13
VTBS AD 2-183/Chart	11 Mar 10			VTSS AD 2-29/Chart	25 Jul 13
VTBS AD 2-185/Chart	29 Jul 10			VTSS AD 2-31/Chart	25 Jul 13
VTBS AD 2-187/Chart	11 Mar 10			VTSS AD 2-33/Chart	25 Jul 13
VTBS AD 2-189/Chart	11 Mar 10			VTSS AD 2-35/Chart	25 Jul 13
				VTSS AD 2-37/Chart	21 Jul 16
				VTSS AD 2-39/Chart	23 Jul 15
				VTSS AD 2-41/Chart	25 Jul 13
				VTSS AD 2-42	25 Jul 13
				VTSS AD 2-43/Chart	25 Jul 13
				VTSS AD 2-44	25 Jul 13

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BURI RAM		VTUK AD 2-17/Chart	10 Dec 08	VTCL AD 2-19/Chart	12 Nov 15
VTUO AD 2-1	21 Jul 16	VTUK AD 2-18/Chart	10 Dec 08	VTCL AD 2-21/Chart	12 Nov 15
VTUO AD 2-2	10 Dec 08	VTUK AD 2-19/Chart	10 Dec 08	VTCL AD 2-23/Chart	12 Nov 15
VTUO AD 2-3	10 Dec 08	VTUK AD 2-21/Chart	12 Nov 15	VTCL AD 2-25/Chart	12 Nov 15
VTUO AD 2-4	10 Dec 08	VTUK AD 2-23/Chart	12 Nov 15	VTCL AD 2-27/Chart	12 Nov 15
VTUO AD 2-5	10 Dec 08	VTUK AD 2-25/Chart	12 Nov 15	VTCL AD 2-29/Chart	12 Nov 15
VTUO AD 2-6	24 Jul 14	VTUK AD 2-27/Chart	12 Nov 15		
VTUO AD 2-7	30 Jul 09	VTUK AD 2-29/Chart	12 Nov 15		
VTUO AD 2-8	12 Nov 15	VTUK AD 2-31/Chart	12 Nov 15	LOEI	
VTUO AD 2-9	10 Dec 08	VTUK AD 2-33/Chart	12 Nov 15	VTUL AD 2-1	21 JUL 16
VTUO AD 2-11/Chart	10 Dec 08	VTUK AD 2-35/Chart	12 Nov 15	VTUL AD 2-2	12 Nov 15
VTUO AD 2-13/Chart	10 Dec 08			VTUL AD 2-3	12 Nov 15
VTUO AD 2-15/Chart	10 Dec 08			VTUL AD 2-4	12 Nov 15
VTUO AD 2-16/Chart	10 Dec 08			VTUL AD 2-5	12 Nov 15
VTUO AD 2-17/Chart	10 Dec 08	KRABI		VTUL AD 2-6	12 Nov 15
VTUO AD 2-18/Chart	10 Dec 08	VTSG AD 2-1	21 JUL 16	VTUL AD 2-7	12 Nov 15
		VTSG AD 2-2	23 Jul 15	VTUL AD 2-9	12 Nov 15
CHUMPHON		VTSG AD 2-3	10 Dec 08	VTUL AD 2-11/Chart	12 Nov 15
VTSE AD 2-1	21 Jul 16	VTSG AD 2-4	23 Jul 15	VTUL AD 2-13/Chart	12 Nov 15
VTSE AD 2-2	25 Jul 13	VTSG AD 2-5	30 Jul 09		
VTSE AD 2-3	10 Dec 08	VTSG AD 2-6	21 JUL 16	LOP BURI/Khok Kathiam (MIL)	
VTSE AD 2-4	10 Dec 08	VTSG AD 2-7	6 Mar 14	VTBL AD 2-1	12 Nov 15
VTSE AD 2-5	13 Nov 14	VTSG AD 2-8	12 Nov 15	VTBL AD 2-2	14 Nov 13
VTSE AD 2-6	5 Mar 15	VTSG AD 2-9	30 Jul 09	VTBL AD 2-3	8 Mar 12
VTSE AD 2-7	30 Jul 09	VTSG AD 2-11/Chart	10 Dec 08	VTBL AD 2-4	5 Mar 15
VTSE AD 2-8	12 Nov 15	VTSG AD 2-13/Chart	10 Dec 08	VTBL AD 2-5	10 Dec 08
VTSE AD 2-9	10 Dec 08	VTSG AD 2-15/Chart	10 Dec 08	VTBL AD 2-6	6 Mar 14
VTSE AD 2-11/Chart	10 Dec 08	VTSG AD 2-19/Chart	10 Dec 08	VTBL AD 2-7	12 Nov 15
VTSE AD 2-13/Chart	10 Dec 08	VTSG AD 2-20/Chart	10 Dec 08	VTBL AD 2-8	8 Mar 12
VTSE AD 2-14/Chart	10 Dec 08	VTSG AD 2-21/Chart	10 Dec 08	VTBL AD 2-9	8 Mar 12
VTSE AD 2-15/Chart	10 Dec 08			VTBL AD 2-10	12 Nov 15
VTSE AD 2-16/Chart	10 Dec 08			VTBL AD 2-11	12 Nov 15
KHON KAEN		LAM PANG		MAE HONG SON	
VTUK AD 2-1	21 JUL 16	VTCL AD 2-1	21 JUL 16	VTCH AD 2-1	21 JUL 16
VTUK AD 2-2	10 Dec 08	VTCL AD 2-2	12 Nov 15	VTCH AD 2-2	10 Dec 08
VTUK AD 2-3	10 Dec 08	VTCL AD 2-3	12 Nov 15	VTCH AD 2-3	30 Jul 09
VTUK AD 2-4	10 Dec 08	VTCL AD 2-4	12 Nov 15	VTCH AD 2-4	12 Nov 15
VTUK AD 2-5	10 Dec 08	VTCL AD 2-5	3 Mar 16	VTCH AD 2-5	10 Dec 08
VTUK AD 2-6	10 Dec 08	VTCL AD 2-6	12 Nov 15	VTCH AD 2-6	12 Nov 15
VTUK AD 2-7	10 Dec 08	VTCL AD 2-7	12 Nov 15	VTCH AD 2-7	21 JUL 16
VTUK AD 2-8	12 Nov 15	VTCL AD 2-9	12 Nov 15	VTCH AD 2-9/Chart	21 JUL 16
VTUK AD 2-9	12 Nov 15	VTCL AD 2-11/Chart	12 Nov 15	VTCH AD 2-11/Chart	10 Dec 08
VTUK AD 2-11	21 JUL 16	VTCL AD 2-13/Chart	12 Nov 15		
VTUK AD 2-13/Chart	10 Dec 08	VTCL AD 2-15/Chart	12 Nov 15		
VTUK AD 2-15/Chart	21 JUL 16	VTCL AD 2-17/Chart	12 Nov 15		

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Page	Date	Page	Date	Page	Date
MAE HONG SON / Pai		NAKHON RATCHASIMA		NAKHON SI THAMMARAT	
VTCL AD 2-1	21 JUL 16	VTUQ AD 2-1	21 JUL 16	VTSF AD 2-1	21 JUL 16
VTCL AD 2-2	10 Dec 08	VTUQ AD 2-2	10 Dec 08	VTSF AD 2-2	14 Nov 13
VTCL AD 2-3	12 Nov 15	VTUQ AD 2-3	10 Dec 08	VTSF AD 2-3	10 Mar 11
VTCL AD 2-4	10 Dec 08	VTUQ AD 2-4	10 Dec 08	VTSF AD 2-4	30 Jul 09
VTCL AD 2-5	12 Nov 15	VTUQ AD 2-5	10 Dec 08	VTSF AD 2-5	10 Dec 08
VTCL AD 2-6	12 Nov 15	VTUQ AD 2-6	10 Dec 08	VTSF AD 2-6	5 Mar 15
VTCL AD 2-7	12 Nov 15	VTUQ AD 2-7	18 Nov 10	VTSF AD 2-7	24 Jul 14
VTCL AD 2-9	12 Nov 15	VTUQ AD 2-8	12 Nov 15	VTSF AD 2-8	12 Nov 15
VTCL AD 2-11/Chart	12 Nov 15	VTUQ AD 2-9	12 Nov 15	VTSF AD 2-9	23 Jul 15
		VTUQ AD 2-11	12 Nov 15	VTSF AD 2-11/Chart	10 Dec 08
		VTUQ AD 2-13/Chart	12 Nov 15	VTSF AD 2-13/Chart	23 Jul 15
		VTUQ AD 2-15/Chart	12 Nov 15	VTSF AD 2-15/Chart	23 Jul 15
		VTUQ AD 2-17/Chart	12 Nov 15	VTSF AD 2-17/Chart	23 Jul 15
		VTUQ AD 2-19/Chart	12 Nov 15	VTSF AD 2-19/Chart	23 Jul 15
		VTUQ AD 2-21/Chart	12 Nov 15	VTSF AD 2-21/Chart	23 Jul 15
NAKHON PATHOM / Kamphaeng Saen(MIL)				VTSF AD 2-23/Chart	23 Jul 15
VTBK AD 2-1	5 Mar 15			VTSF AD 2-25/Chart	23 Jul 15
VTBK AD 2-2	10 Dec 08			VTSF AD 2-27/Chart	23 Jul 15
VTBK AD 2-3	10 Dec 08			VTSF AD 2-29/Chart	23 Jul 15
VTBK AD 2-4	10 Dec 08	NAKHON RATCHASIMA/Khorat(MIL)			
VTBK AD 2-5	13 Nov 14	VTUN AD 2-1	5 Mar 15		
VTBK AD 2-6	30 Jul 09	VTUN AD 2-2	5 Mar 15	NAKHON SI THAMMARAT/Cha-lan	
VTBK AD 2-7	12 Nov 15	VTUN AD 2-3	23 Jul 15	VTSN AD 2-1	12 Nov 15
		VTUN AD 2-4	5 Mar 15	VTSN AD 2-2	12 Nov 15
		VTUN AD 2-5	10 Dec 08	VTSN AD 2-3	12 Nov 15
		VTUN AD 2-6	23 Jul 15	VTSN AD 2-4	12 Nov 15
		VTUN AD 2-7	21 JUL 16	VTSN AD 2-5	12 Nov 15
		VTUN AD 2-9	21 JUL 16	VTSN AD 2-6	12 Nov 15
				VTSN AD 2-7	12 Nov 15
NAKHON PHANOM		NAKHON SAWAN			
VTUW AD 2-1	21 JUL 16	VTPN AD 2-1	12 Nov 15	NAN/Nan Nakhon	
VTUW AD 2-2	12 Nov 15	VTPN AD 2-2	12 Nov 15	VTCN AD 2-1	21 JUL 16
VTUW AD 2-3	12 Nov 15	VTPN AD 2-3	12 Nov 15	VTCN AD 2-2	12 Nov 15
VTUW AD 2-4	12 Nov 15	VTPN AD 2-4	12 Nov 15	VTCN AD 2-3	12 Nov 15
VTUW AD 2-5	12 Nov 15	VTPN AD 2-5	12 Nov 15	VTCN AD 2-4	12 Nov 15
VTUW AD 2-6	12 Nov 15	VTPN AD 2-6	12 Nov 15	VTCN AD 2-5	12 Nov 15
VTUW AD 2-7	12 Nov 15	VTPN AD 2-7	12 Nov 15	VTCN AD 2-6	12 Nov 15
VTUW AD 2-8	12 Nov 15			VTCN AD 2-7	12 Nov 15
VTUW AD 2-9	12 Nov 15			VTCN AD 2-9	12 Nov 15
VTUW AD 2-11/Chart	12 Nov 15			VTCN AD 2-11/Chart	12 Nov 15
VTUW AD 2-13/Chart	12 Nov 15			VTCN AD 2-13/Chart	12 Nov 15
VTUW AD 2-15/Chart	12 Nov 15			VTCN AD 2-15/Chart	12 Nov 15
VTUW AD 2-17/Chart	12 Nov 15			VTCN AD 2-17/Chart	12 Nov 15
VTUW AD 2-19/Chart	12 Nov 15			VTCN AD 2-19/Chart	12 Nov 15
VTUW AD 2-21/Chart	12 Nov 15			VTCN AD 2-21/Chart	12 Nov 15
				VTCN AD 2-23/Chart	12 Nov 15
		NAKHON SAWAN/Takhli (MIL)			
		VTPI AD 2-1	5 Mar 15		
		VTPI AD 2-2	10 Dec 08		
		VTPI AD 2-3	10 Dec 08		
		VTPI AD 2-4	10 Dec 08		
		VTPI AD 2-5	10 Dec 08		
		VTPI AD 2-6	12 Nov 15		
		VTPI AD 2-7	12 Nov 15		

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NARATHIWAT		PHITSANULOK		PRACHUAP KHIRI KHAN/Hua Hin	
VTSC AD 2-1	21 JUL 16	VTTP AD 2-1	21 Jul 16	VTPH AD 2-1	21 Jul 16
VTSC AD 2-2	12 Nov 15	VTTP AD 2-2	10 Dec 08	VTPH AD 2-2	10 Dec 08
VTSC AD 2-3	12 Nov 15	VTTP AD 2-3	24 Jul 14	VTPH AD 2-3	10 Dec 08
VTSC AD 2-4	12 Nov 15	VTTP AD 2-4	10 Dec 08	VTPH AD 2-4	5 Mar 15
VTSC AD 2-5	12 Nov 15	VTTP AD 2-5	21 Jul 16	VTPH AD 2-5*	10 Nov 16
VTSC AD 2-6	12 Nov 15	VTTP AD 2-6	29 Jul 10	VTPH AD 2-6	10 Dec 08
VTSC AD 2-7	12 Nov 15	VTTP AD 2-7	12 Nov 15	VTPH AD 2-7	12 Nov 15
VTSC AD 2-9	12 Nov 15	VTTP AD 2-8	30 Jul 09	VTPH AD 2-8	10 Dec 08
VTSC AD 2-11/Chart	12 Nov 15	VTTP AD 2-9	10 Dec 08	VTPH AD 2-9	10 Dec 08
VTSC AD 2-13/Chart	12 Nov 15	VTTP AD 2-10	10 Dec 08	VTPH AD 2-10	12 Nov 15
VTSC AD 2-15/Chart	12 Nov 15	VTTP AD 2-11	10 Dec 08	VTPH AD 2-11	21 Jul 16
VTSC AD 2-17/Chart	12 Nov 15	VTTP AD 2-12	12 Nov 15	VTPH AD 2-13/Chart	21 Jul 16
VTSC AD 2-19/Chart	12 Nov 15	VTTP AD 2-13	29 Jul 10	VTPH AD 2-15/Chart	10 Dec 08
VTSC AD 2-21/Chart	12 Nov 15	VTTP AD 2-15/Chart	11 Mar 10	VTPH AD 2-17/Chart	10 Dec 08
		VTTP AD 2-17/Chart	29 Jul 10		
		VTTP AD 2-19/Chart	29 Jul 10		
PATTANI		VTTP AD 2-21/Chart	29 Jul 10	RANONG	
VTSK AD 2-1	21 Jul 16	VTTP AD 2-23/Chart	29 Jul 10	VTSR AD 2-1	21 Jul 16
VTSK AD 2-2	3 Mar 16	VTTP AD 2-25/Chart	29 Jul 10	VTSR AD 2-2	10 Dec 08
VTSK AD 2-3	12 Nov 15	VTTP AD 2-27/Chart	29 Jul 10	VTSR AD 2-3	10 Dec 08
VTSK AD 2-4	12 Nov 15	VTTP AD 2-29/Chart	29 Jul 10	VTSR AD 2-4	23 Jul 15
VTSK AD 2-5	12 Nov 15			VTSR AD 2-5	10 Dec 08
VTSK AD 2-6	12 Nov 15			VTSR AD 2-6	10 Dec 08
VTSK AD 2-7	12 Nov 15	PHRAE		VTSR AD 2-7	30 Jul 09
VTSK AD 2-9/Chart	12 Nov 15	VTCP AD 2-1	21 Jul 16	VTSR AD 2-8	12 Nov 15
VTSK AD 2-11/Chart	12 Nov 15	VTCP AD 2-2	23 Jul 15	VTSR AD 2-9	10 Dec 08
VTSK AD 2-13/Chart	12 Nov 15	VTCP AD 2-3	23 Jul 15	VTSR AD 2-11/Chart	10 Dec 08
		VTCP AD 2-4	12 Nov 15	VTSR AD 2-13/Chart	10 Dec 08
		VTCP AD 2-5	12 Nov 15	VTSR AD 2-14/Chart	10 Dec 08
		VTCP AD 2-6	12 Nov 15		
		VTCP AD 2-7	12 Nov 15		
		VTCP AD 2-9	12 Nov 15		
PHETCHABUN		VTCP AD 2-11/Chart	12 Nov 15	ROI ET	
VTPB AD 2-1	21 Jul 16	VTCP AD 2-13/Chart	12 Nov 15	VTUV AD 2-1	21 Jul 16
VTPB AD 2-2	10 Dec 08			VTUV AD 2-2	24 Jul 14
VTPB AD 2-3	10 Dec 08			VTUV AD 2-3	10 Dec 08
VTPB AD 2-4	23 Jul 15	PRACHUAP KHIRI KHAN (MIL)		VTUV AD 2-4	23 Jul 15
VTPB AD 2-5	10 Dec 08	VTBP AD 2-1	3 Mar 16	VTUV AD 2-5	10 Dec 08
VTPB AD 2-6	10 Dec 08	VTBP AD 2-2	3 Mar 16	VTUV AD 2-6	10 Dec 08
VTPB AD 2-7	30 Jul 09	VTBP AD 2-3	3 Mar 16	VTUV AD 2-7	30 Jul 09
VTPB AD 2-8	12 Nov 15	VTBP AD 2-4	3 Mar 16	VTUV AD 2-8	12 Nov 15
VTPB AD 2-9	10 Dec 08	VTBP AD 2-5	21 Jul 16	VTUV AD 2-9	10 Dec 08
VTPB AD 2-11/Chart	10 Dec 08	VTBP AD 2-6	3 Mar 16	VTUV AD 2-11/Chart	10 Dec 08
VTPB AD 2-13/Chart	10 Dec 08	VTBP AD 2-7	3 Mar 16	VTUV AD 2-13/Chart	10 Dec 08
VTPB AD 2-15/Chart	10 Dec 08	VTBP AD 2-8	12 Nov 15	VTUV AD 2-14/Chart	10 Dec 08
VTPB AD 2-16/Chart	10 Dec 08	VTBP AD 2-9	12 Nov 15		
VTPB AD 2-17/Chart	10 Dec 08				

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SAKON NAKHON		VTPO AD 2-15/Chart	10 Dec 08	SURIN	
VTUI AD 2-1	21 Jul 16	VTPO AD 2-17/Chart	10 Dec 08	VTUJ AD 2-1	10 Dec 08
VTUI AD 2-2	10 Dec 08	VTPO AD 2-21/Chart	10 Dec 08	VTUJ AD 2-2	10 Dec 08
VTUI AD 2-3	10 Dec 08	VTPO AD 2-22/Chart	10 Dec 08	VTUJ AD 2-3	10 Dec 08
VTUI AD 2-4	23 Jul 15	SURAT THANI		VTUJ AD 2-4	12 Nov 15
VTUI AD 2-5	12 Nov 15	VTSB AD 2-1	21 Jul 16	VTUJ AD 2-5	12 Nov 15
VTUI AD 2-6	25 Jul 13	VTSB AD 2-2	6 Mar 14	VTUJ AD 2-7	12 Nov 15
VTUI AD 2-7	12 Nov 15	VTSB AD 2-3	10 Dec 08	VTUJ AD 2-8	12 Nov 15
VTUI AD 2-8	12 Nov 15	VTSB AD 2-4	30 Jul 09	VTUJ AD 2-9	24 Jul 14
VTUI AD 2-9	10 Dec 08	VTSB AD 2-5	8 Mar 12	TAK	
VTUI AD 2-11/Chart	10 Dec 08	VTSB AD 2-6	21 Jul 16	VTPT AD 2-1	21 Jul 16
VTUI AD 2-13/Chart	10 Dec 08	VTSB AD 2-7	30 Jul 09	VTPT AD 2-2	12 Nov 15
VTUI AD 2-14/Chart	10 Dec 08	VTSB AD 2-9	12 Nov 15	VTPT AD 2-3	12 Nov 15
SA KAEOW/WATTHANA		VTSB AD 2-10	15 Nov 12	VTPT AD 2-4	12 Nov 15
NAHON (MIL)		VTSB AD 2-11	21 Jul 16	VTPT AD 2-5	12 Nov 15
VTBW AD 2-1*	10 Nov 16	VTSB AD 2-13/Chart	21 Jul 16	VTPT AD 2-6	12 Nov 15
VTBW AD 2-2*	10 Nov 16	VTSB AD 2-15/Chart	13 Nov 14	VTPT AD 2-7	12 Nov 15
VTBW AD 2-3*	10 Nov 16	VTSB AD 2-17/Chart	13 Nov 14	VTPT AD 2-9/Chart	12 Nov 15
VTBW AD 2-4*	10 Nov 16	VTSB AD 2-19/Chart	13 Nov 14	TAK/Mae Sot	
VTBW AD 2-5*	10 Nov 16	VTSB AD 2-21/Chart	3 Mar 16	VTTPM AD 2-1	21 Jul 16
VTBW AD 2-6*	10 Nov 16	VTSB AD 2-23/Chart	3 Mar 16	VTTPM AD 2-2	12 Nov 15
VTBW AD 2-7*	10 Nov 16	SURAT THANI		VTTPM AD 2-3	12 Nov 15
SONGKHLA (MIL)		/Samui		VTTPM AD 2-4	12 Nov 15
VTSH AD 2-1	5 Mar 15	VTSM AD 2-1	23 Jul 15	VTTPM AD 2-5	12 Nov 15
VTSH AD 2-2	10 Dec 08	VTSM AD 2-2*	10 Nov16	VTTPM AD 2-6	12 Nov 15
VTSH AD 2-3	10 Dec 08	VTSM AD 2-3	23 Jul 15	VTTPM AD 2-7	12 Nov 15
VTSH AD 2-4	10 Dec 08	VTSM AD 2-4	23 Jul 15	VTTPM AD 2-9	12 Nov 15
VTSH AD 2-5	10 Dec 08	VTSM AD 2-5	12 Nov 15	VTTPM AD 2-11/Chart	12 Nov 15
VTSH AD 2-6	13 Nov 14	VTSM AD 2-6	21 Jul 16	TRANG	
VTSH AD 2-7	12 Nov 15	VTSM AD 2-7	12 Nov 15	VTST AD 2-1	21 Jul 16
VTSH AD 2-9	10 Dec 08	VTSM AD 2-8	13 Nov 14	VTST AD 2-2	10 Dec 08
VTSH AD 2-11/Chart	10 Dec 08	VTSM AD 2-9	12 Nov 15	VTST AD 2-3	10 Dec 08
SUKHOTHAI		VTSM AD 2-10	23 Jul 15	VTST AD 2-4	12 Nov 15
VTPO AD 2-1	23 Jul 15	VTSM AD 2-11/Chart	26 Jul 12	VTST AD 2-5	3 Mar 16
VTPO AD 2-2	29 Jul 10	VTSM AD 2-13/Chart	26 Jul 12	VTST AD 2-6	12 Nov 15
VTPO AD 2-3	29 Jul 10	VTSM AD 2-15/Chart	26 Jul 12	VTST AD 2-7	21 Jul 16
VTPO AD 2-4	29 Jul 10	VTSM AD 2-17/Chart	23 Jul 15	VTST AD 2-9/Chart	21 Jul 16
VTPO AD 2-5	29 Jul 10	VTSM AD 2-19/Chart	23 Jul 15	VTST AD 2-11/Chart	10 Dec 08
VTPO AD 2-6	13 Nov 14	VTSM AD 2-21/Chart	23 Jul 15	VTST AD 2-13/Chart	10 Dec 08
VTPO AD 2-7	12 Nov 15	VTSM AD 2-23/Chart	23 Jul 15	VTST AD 2-14/Chart	10 Dec 08
VTPO AD 2-8	12 Nov 15	VTSM AD 2-25/Chart	23 Jul 15		
VTPO AD 2-9	10 Mar 11	VTSM AD 2-27/Chart	23 Jul 15		
VTPO AD 2-11/Chart	14 Nov 13	VTSM AD 2-29/Chart	23 Jul 15		
VTPO AD 2-13/Chart	14 Nov 13	VTSM AD 2-31/Chart	23 Jul 15		
		VTSM AD 2-33/Chart	23 Jul 15		
		VTSM AD 2-35/Chart	23 Jul 15		

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Page	Date	Page	Date	Page	Date
TRAT		UBON RATCHATHANI		UDON THANI	
VTBO AD 2-1	23 Jul 15	VTUU AD 2-1	21 Jul 16	VTUD AD 2-1	21 Jul 16
VTBO AD 2-2	30 Jul 09	VTUU AD 2-2	18 Nov 10	VTUD AD 2-2	30 Jul 09
VTBO AD 2-3	30 Jul 09	VTUU AD 2-3	10 Dec 08	VTUD AD 2-3	24 Jul 14
VTBO AD 2-4	26 Jul 12	VTUU AD 2-4	10 Dec 08	VTUD AD 2-4	24 Jul 14
VTBO AD 2-5	30 Jul 09	VTUU AD 2-5	10 Dec 08	VTUD AD 2-5	21 Jul 16
VTBO AD 2-6	12 Nov 15	VTUU AD 2-6	26 Jul 12	VTUD AD 2-6	3 Mar 16
VTBO AD 2-7	30 Jul 09	VTUU AD 2-7	26 Jul 12	VTUD AD 2-7	12 Nov 15
VTBO AD 2-8	12 Nov 15	VTUU AD 2-8	21 Jul 16	VTUD AD 2-8	18 Nov 10
VTBO AD 2-9	12 Nov 15	VTUU AD 2-9	30 Jul 09	VTUD AD 2-9	23 Jul 15
		VTUU AD 2-10	12 Nov 15	VTUD AD 2-11/Chart	26 Jul 12
		VTUU AD 2-11	23 Jul 15	VTUD AD 2-13/Chart	23 Jul 15
		VTUU AD 2-13/Chart	10 Dec 08	VTUD AD 2-15/Chart	23 Jul 15
		VTUU AD 2-15/Chart	10 Dec 08	VTUD AD 2-17/Chart	23 Jul 15
		VTUU AD 2-16/Chart	10 Dec 08	VTUD AD 2-19/Chart	23 Jul 15
		VTUU AD 2-17/Chart	23 Jul 15	VTUD AD 2-21/Chart	23 Jul 15
		VTUU AD 2-19/Chart	23 Jul 15	VTUD AD 2-23/Chart	23 Jul 15
		VTUU AD 2-21/Chart	23 Jul 15	VTUD AD 2-25/Chart	23 Jul 15
		VTUU AD 2-23/Chart	23 Jul 15		
		VTUU AD 2-25/Chart	23 Jul 15		
		VTUU AD 2-27/Chart	23 Jul 15		
		VTUU AD 2-29/Chart	23 Jul 15		

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3.2.5 List of Aeronautical Charts Available

Type of series	Scale	Name and /or number	Price (\$US)	Date
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>DON MUEANG INTERNATIONAL AIRPORT</u>	In AIP	29 Jul 2010
		GPS/FMS/RNAV ARRIVAL/TRANSITION TO FINAL APPROCH RWY 21L/21R CHART	"	"
		GPS/FMS/ RNAV ARRIVAL / TRANSITION TO FINAL APPROACH CHART	"	"
		NDB RWY 21L	"	"
		NDB RWY 21R	"	"
		VOR RWY 21R	"	"
		VOR RWY 21L	"	"
		VOR / ILS / DME RWY 03L	"	"
		VOR / LLZ / DME RWY 03L	"	"
		ILS or LOC (CAT II) RWY 21R	"	"
		ILS or LLZ RWY 21L	"	"
		RNAV Departure Transition RWY 21L/21R	In SUP A14/01	18 Oct 2001
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>CHIANG MAI INTERNATIONAL AIRPORT</u>	In AIP	10 Nov 2016
		VOR RWY 36	"	"
		ILS or LOC RWY 36	"	5 Mar 2015
		RNAV (GNSS) RWY 36	"	10 Nov 2016
		RNAV (GNSS) RWY 18	"	
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>CHIANG RAI INTERNATIONAL AIRPORT</u>	In AIP	10 Dec 2008
		NDB / DME RWY03	"	24 Jul 2014
		VOR RWY21	"	10 Nov 2016
		VOR RWY03	"	"
		ILS or LOC RWY03	"	"
		RNAV (GNSS) RWY21	"	"
		RNAV (GNSS) RWY03	"	"
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>RAYONG / U-TAPAO INTERNATIONAL AIRPORT</u>	In AIP	10 Dec 2008
		NDB RWY 36	"	"
		VOR / DME RWY 18	"	"
		VOR / DME RWY 36	"	"
		ILS / DME RWY 18	"	"
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>PHUKET INTERNATIONAL AIRPORT</u>	In AIP	10 Dec 2008
		VORy RWY 09	"	"
		VORy RWY 27	"	"
		VORz RWY 09	"	"
		VORz RWY 27	"	"
		ILS / DME RWY 27	"	"
		RNAV (GNSS) RWY 09	"	13 Nov 2014
		RNAV (GNSS) RWY 27	"	"
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>HAT YAI INTERNATIONAL AIRPORT</u>	In AIP	25 Jul 2013
		NDB C	"	"
		VOR A	"	"
		VOR B	"	"
		VOR RWY 26	"	21 Jul 2016
		ILS or LOC RWY 26	"	23 Jul 2015
		RNAV (GNSS) RWY 08	"	"
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	<u>SUARNABHUMI INTERNATIONAL AIRPORT</u>	In AIP	11 Mar 2010
		VOR RWY 01L	"	29 Jul 2010
		VOR RWY 19R	"	"
		ILS or LLZ RWY 01L CAT II	"	"
		ILS or LLZ RWY 01R CAT II	"	"
		ILS or LLZ RWY 19L CAT II	"	11 Mar 2010
Instrument Approach Chart- ICAO (IAC)	1 : 500,000	ILS or LLZ RWY 19R CAT II	"	29 Jul 2010

3.2.5 List of Aeronautical Charts Available

Type of series	Scale	Name and /or number	Price (\$US)	Date
Instrument Approach Chart- ICAO (IAC)	1 : 600,000	<u>BURI RAM</u> NDB RWY 04 VOR / DME RWY 04 VOR / DME RWY 22 ILS / DME RWY 04 LLZ / DME RWY 04	In AIP " " " " "	10 Dec 2008 " " " " "
Instrument Approach Chart- ICAO (IAC)		<u>CHUMPHON</u> VOR / DME RWY 06 VOR / DME RWY 24 ILS / DME RWY 24 LLZ / DME RWY 24	In AIP " " " "	10 Dec 2008 " " " "
Instrument Approach Chart- ICAO (IAC)		<u>KHON KAEN</u> NDBy RWY 03 NDBz RWY 03 NDB RWY 21 VORy RWY 03 VORz RWY 03 VORy RWY 21 VORz RWY 21 RNAV (GNSS) RWY 03 RNAV (GNSS) RWY 21	In AIP " " " " " " " " "	10 Dec 2008 " " " 12 Nov 2015 " " " " "
Instrument Approach Chart- ICAO (IAC)		<u>KRABI</u> VORy RWY 32 VORz RWY 32 ILS or LLZ RWY 32	In AIP " " "	10 Dec 2008 " " "
Instrument Approach Chart- ICAO (IAC)		<u>LAMPANG</u> RNAV (GNSS) RWY 18 RNAV (GNSS) RWY 36 LOC RWY 36 VOR RWY 18 VOR RWY 36	In AIP " " " " "	14 Nov 2013 " " " " "
Instrument Approach Chart- ICAO (IAC)		<u>LOEI</u> DVOR / DME RWY 19	In AIP	10 Dec 2008
Instrument Approach Chart- ICAO (IAC)		<u>MAE HONG SON</u> IGS DVOR / DME RWY 11	In AIP	10 Dec 2008
Instrument Approach Chart- ICAO (IAC)		<u>NAKHON PHANOM</u> VOR / DME RWY 15 VOR / DME RWY 33 VOR / DME RWY 15/33 ILS / DME RWY 15 LLZ / DME RWY 15	In AIP " " " " "	10 Dec 2008 " " " " "
Instrument Approach Chart- ICAO (IAC)		<u>NAKHON RATCHASIMA</u> VOR / DME RWY 24 VOR / DME RWY 06 ILS / DME RWY 06 LLZ / DME RWY 06	In AIP " " " "	10 Dec 2008 " " " "

3.2.5 List of Aeronautical Charts Available

<i>Type of series</i>	<i>Scale</i>	<i>Name and /or number</i>	<i>Price (\$US)</i>	<i>Date</i>
Visual Approach Chart- ICAO (VAC)		Bangkok Suvarnabhumi INTL	"	11 Mar 2010
Aerodrome Chart - ICAO (AC)		Don Mueang International Airport, VTBD AD	"	21 Jul 2016
		Chiang Mai International Airport, VTCC AD	"	21 Jul 2016
		Chiang Rai International Airport, VTCT AD	"	21 Jul 2016
		Phuket International Airport VTSP AD	"	10 Nov 2016
		Rayong U-Tapao International Airport, VTBU AD	"	21 Jul 2016
		Suvarnabhumi International Airport VTBS AD	"	21 Jul 2016
		Hat Yai International Airport VTSS AD	"	21 Jul 2016
		Buri Ram Airport, VTUO AD	"	10 Dec 2008
		Chumphon Airport, VTSE AD	"	10 Dec 2008
		Khon Kaen Airport, VTUK AD	"	21 Jul 2016
		Krabi Airport, VTSG AD	"	10 Dec 2008
		Lampang Airport, VTCL AD	"	10 Dec 2008
		Loei Airport, VTUL AD	"	10 Dec 2008
		Mae Hong Song Airport, VTCH AD	"	21 Jul 2016
		Mae Hong Song / Pai Airport, VTCI AD	"	12 Nov 2015
		Nakhon Phanom Airport, VTUW AD	"	5 Mar 2015
		Nakhon Ratchasima Airport, VTUQ AD	"	10 Dec 2008
		Nakhon Si Thammarat Airport, VTSF AD	"	10 Dec 2008

3.2.5 List of Aeronautical Charts Available

Type of series	Scale	Name and /or number	Price (\$US)	Date
Aerodrome Chart - ICAO (AC)	1 : 20,000	Nan Airport, VTCN AD	In AIP	10 Dec 2008
		Narathiwat Aiirport, VTSC AD	"	10 Dec 2008
		Pattani Airport, VTSK AD	"	10 Dec 2008
		Phetchabun Airport, VTPB AD	"	10 Dec 2008
		Phisanulok Airport, VTPP AD	"	11 Mar 2010
		Phrae Airport, VTCP AD	"	10 Dec 2008
		Prachuap Khiri Khan/Hua Hin Airport, VTPH AD	"	21 Jul 2016
		Ranong Airport, VTSR AD	"	10 Dec 2008
		Roi Et Airport, VTUV AD	"	10 Dec 2008
		Sakon Nakhon Airport, VTUI AD	"	10 Dec 2008
		Songkhla Airport, VTSH AD	"	10 Dec 2008
		Sukhothai Airport, VTPO AD	"	14 Nov 2013
		Surat Thani Airport, VTSB AD	"	21 Jul 2016
		Surat Thani/Samui Airport, VTSM AD	"	17 Nov 2011
		Tak Airport, VTPT AD	"	10 Dec 2008
		Tak / Mae Sot Airport, VTPM AD	"	10 Dec 2008
		Trang Airport, VTST AD	"	21 Jul 2016
		Ubon Ratchathani Airport, VTUU AD	"	10 Dec 2008
		Udon Thani Airport, VTUD AD	"	29 Jul 2010

3.2.5 List of Aeronautical Charts Available

Type of series	Scale	Name and /or number	Price (\$US)	Date
Aerodrome Ground Movement Chart - ICAO		Don Mueang International Airport, VTBD AD	In AIP	21 Jul 2016
	1 : 10,000	Chiang Mai International Airport, VTCC AD	"	21 Jul 2016
		Chiang Rai International Airport, VTCT AD	"	21 Jul 2016
	1 : 10,000	Phuket International Airport, VTSP AD	"	10 Nov 2016
	1 : 15,000	Rayong/U-Tapao International Airport, VTBU AD	"	10 Dec 2008
	1 : 10,000	Hat Yai International Airport, VTSS AD	"	21 Jul 2016
	1 : 10,000	Sukhothai Airport, VTPO AD	"	14 Nov 2013
	1 : 10,000	Samui Airport, VTSM AD	"	17 Nov 2011
		Bangkok / Suvarnabhumi INTL VTBS AD	"	21 Jul 2016
	1 : 20,000	Bangkok / Suvarnabhumi INTL VTBS AD	"	10 Dec 2008
Aerodrome Obstacle Chart - ICAO Type A (AOC)	1 : 15,000 1 : 20,000	Don Mueang International Airport, VTBD AD	"	29 Jul 2010
	1 : 20,000	Chiang Mai International Airport, VTCC AD	"	10 Dec 2008
	1 : 12,500	Chiang Rai International Airport, VTCT AD	"	10 Dec 2008
		Phuket International Airport VTSP AD	"	5 Mar 2015
		Rayong/U-Tapao International VTBU AD	"	10 Dec 2008
	1 : 1,500	Hat Yai International Airport VTSS AD	"	10 Mar 2011
	1 : 1,500	Sukhothai Airport, VTPO AD	"	10 Dec 2008
	1 : 1,500	Surat Thani/Samui Airport, VTSM AD	"	17 Nov 2011
		Phuket International Airport, VTSP AD	"	10 Dec 2008
		Phuket International Airport, VTSP AD	"	10 Dec 2008
Aerodrome Obstacle Chart - ICAO Type B (AOC)		Phuket International Airport, VTSP AD	"	10 Dec 2008

3.2.5 List of Aeronautical Charts Available

Type of series	Scale	Name and /or number	Price (\$US)	Date
Aircraft Parking/Docking Chart - ICAO	1 : 10,000	Don Mueang International Airport, VTBD AD	In AIP	21 Jul 2016
		Chiang Mai International Airport, VTCC AD	"	21 Jul 2016
		Chiang Rai International Airport, VTCT AD	"	21 Jul 2016
		Phuket International Airport, VTSP AD	"	10 Nov 2016
		Hat Yai International Airport VTSS AD	"	21 Jul 2016
		Bangkok / Suvarnabhumi INTL VTBS AD	"	21 Jul 2016
Precision Approach Terrain Chart - ICAO	1 : 2,500	Suvarnabhumi International Airport, RWY 01L / 19R RWY 01R / 19L	In AIP "	10 Dec 2008 "
Area Chart - ICAO		Chiang Mai International Airport, VTCC AD	"	10 Dec 2008
		Hat Yai International Airport VTSS AD	"	10 Dec 2008
Standard Departure Chart - Instrument - ICAO (SID)	1 : 600,000	Bangkok / Don mueang International Airport SID RNAV RWY 21L/21R (BRUCE3A) SID RNAV RWY 21L/21R (EAGLE1A) SID RNAV RWY 21L/21R (GRANT3A) SID RNAV RWY 21L/21R (HELEN5A)	In AIP " " " "	24 Jul 2014 " " " "
		Bangkok / Suvarnabhumi International Airport RNAV(GNSS) SIDs – RWY 19L – ANTIC 1C / RWY 19R – ANTIC 1B	In AIP	10 Dec 2008
		RNAV(GNSS) SIDs – RWY 19L – COSMO 1C / RWY 19R – COSMO 1B	"	"
		RNAV(GNSS) SIDs – RWY 19L – SIMON 1C / RWY 19R – SIMON 1B	"	"
		RNAV(GNSS) SIDs – RWY 19R – COMET 1B	"	"
		RNAV(GNSS) SIDs – RWY 19L – SEESA 1C	"	"
		RNAV(GNSS) SIDs – RWY 19L – NESTA 1C / RWY 19R – NESTA 1B	"	"
		RNAV(GNSS) SIDs – RWY 01L – JEANS 1B / RWY 01R – JEANS 1C	"	"
		RNAV(GNSS) SIDs – RWY 01L – JORGE 1B / RWY 01R – JORGE 1C	"	"
		RNAV(GNSS) SIDs – RWY 01L – CHEST 1B / RWY 01R – CHEST 1C	"	"
		RNAV(GNSS) SIDs – RWY 01L – FIRNN 1B / RWY 01R – FIRNN 1C	"	"
		Chiang Mai International Airport RNAV(SID) – RWY 36 – WARMY 1N WEEWA 1N RNAV(SID) – RWY 36 – WARMY 1X WEEWA 1X RNAV(SID) – RWY 36 – NUNWA 1N EASEE 1N EMMET 1N ANYAR 1N PANTA 1N ALLAY 1N ZUGAR 1N ZARDY 1N	In AIP " " "	5 Mar 2015 " " "

3.2.5 List of Aeronautical Charts Available

Type of series	Scale	Name and /or number	Price (\$US)	Date
Standard Departure Chart - Instrument - ICAO (SID)	1 : 400,000	Lampang SID RNAV RWY 18 SID RNAV RWY 36	In AIP "	14 Nov 2013 "
	1 : 500,000	Nakhon Si Thammarat SID RNAV RWY 19 SID RNAV RWY 01	In AIP "	23 Jul 2015 "
	1 : 800,000	Phuket International Airport SID RNAV RWY 09 SID RNAV RWY 27	In AIP "	13 Nov 2014 "
	1 : 500,000	Ubon Ratchathani SID RNAV RWY 23 SID RNAV RWY 05	In AIP "	23 Jul 2015 "
	1 : 400,000	Khon Kaen SID RNAV RWY 03 SID RNAV RWY 21	In AIP "	12 Nov 2015 "
Standard Arrival Chart - Instrument – ICAO (STAR)	1 : 800,000	Phuket International Airport STAR RNAV RWY 09 STAR RNAV RWY 27	In AIP "	13 Nov 2014 "
		Suvarnabhumi International Airport RNAV(GNSS) STAR – RWY19L / 19R – CAROS 1B RNAV(GNSS) STAR – RWY 19L/ 19R – NAUTY 1B RNAV(GNSS) STAR – RWY 19L/ 19R – ARONS 1B RNAV(GNSS) STAR – RWY 19L/ 19R – DANNY 1B RNAV(GNSS) STAR – RWY 19L/ 19R – SILVA 1B RNAV(GNSS) STAR – RWY 01L/ 01R – NUMAN 1B RNAV(GNSS) STAR – RWY 01L/ 01R – GIPSY 1B RNAV(GNSS) STAR – RWY 01L/ 01R – DAREN 1B RNAV(GNSS) STAR – RWY 01L/ 01R – CABIN 1B RNAV(GNSS) STAR – RWY 01L/ 01R – TERRY 1B	In AIP " " " " " " " " " "	10 Dec 08 " " " " " " " " "
		Chiang Mai International Airport RNAV(STAR) - RWY 36 - WARMY 1A WEEWA 1A RNAV(STAR) - RWY 36 - NUNWA 1A EASEE 1A EMMET 1A ANYAR 1A PANTA 1A ALLAY 1A MARNI 1A ZUGAR 1A ZARDY 1A	In AIP "	5 Mar 2015 "
		Chiang Rai International Airport RNAV(STAR) – RWY 03 – PERSY 1A	In AIP	10 Nov 2016
	1 : 1,000,000	IRRAWADDY RIVER (2556)	2.00	Feb 1994
	1 : 1,000,000	GULF OF MARTABAN (2677)	"	Jul 2002
	1 : 1,000,000	GULF OF TONGKING (2617)	"	Nov 1996
	1 : 1,000,000	CHAO PHRAYA RIVER (2678)	"	Oct 1997
	1 : 1,000,000	LAKE SAP (2738)	"	Nov 2001
	1 : 1,000,000	GULF OF THAILAND (2799)	"	Nov 2002
World Aeronautical Chart- ICAO (WAC)	1 : 1,000,000	MEKONG DELTA (2739)	"	Jan 1996
	1 : 1,000,000	SONGKHLA (2859)	"	Jan 2001
	1 : 1,000 000	EAST INDIES (2920)	"	Nov 1995
	1 : 1,000,000	WE ISLAND (2800)	"	Nov 1998
	1 : 500,000	ZONE C (2678)	"	Oct 1997

ENR 1.6 RADAR SERVICES AND PROCEDURES**1. Operation**

1.1 Air traffic control radar is the predominant means of control at Bangkok Area Control Centre and Approach Control Units at Don Mueang, Suvarnabhumi, Chiang Mai, Hat Yai, Phuket, U-Tapao Rayong Pattaya International airport, Phitsanulok, Hua-Hin, Chumphon, Nakhon Si Thammarat and Krabi airports provided in accordance with ICAO Doc4444 ATM/501 Chapter 8. ←

1.2 Radio Communications procedures

Stations	Service	Callsign
- Bangkok Area Control Centre	Procedural and radar	Bangkok Control
- Bangkok Approach Control Unit	Procedural and radar	Bangkok Approach
- Chiang Mai Approach Control Unit	Procedural and radar	Chiang Mai Approach
- Hat Yai Approach Control Unit	Procedural and radar	Hat Yai Approach
- Phuket Approach Control Unit	Procedural and radar	Phuket Approach
- U-Tapao Approach Control Unit	Procedural and radar	U-Tapao Approach
- Phitsanulok Approach Control Unit	Procedural and radar	Phitsanulok Approach
- Hua Hin Approach Control Unit	Procedural and radar	Hua Hin Approach

2. Theoretical Primary and Secondary Surveillance Radar coverage within Bangkok FIR

2.1 Bangkok Area Control Service operates Fourteen ATC Surveillance stations.

- a) SSR – station at Don Mueang international airport 135532.59N 1003620.46E range 256 NM.
- b) SSR – station at Suvarnabhumi international airport 134150N 1004615E range 256 NM.
- c) SSR – station at Chiang Mai international airport 184540N 0985808E MAX range 256 NM.
- d) SSR – station at Chiang Rai international airport 195734.72N 0995257.68E MAX range 256 NM.
- e) SSR – station at Chumphon airport 104304.36N 0992156.91E range 256 NM.
- f) SSR – station at Phitsanulok airport 164622.30N 1001643.67E range 256 NM.
- g) SSR – station at Roi Et airport 160639.57N 1034639.96E range 256 NM.
- h) SSR – station at Surat Thani airport 090803N 0990853E range 256 NM.
- i) SSR – station at Ubon Raichathani airport 151444N 1045205E range 256 NM
- j) SSR – station at Udon Thani airport 172315.46N 1024611.74E range 256 NM
- k) SSR – station at Phu Keaw, Sakon Nakhon Province 170808.0N 1035937.5E(WGS 84) range 150 NM.
- l) SSR – station at Doi Intanon, Chiang Mai Province 183521.2N 0982921.0E(WGS 84) range 150 NM.
- m) SSR – station at Hai Yai international airport 065610N 1002340E range 256 NM.
- n) SSR – station at Bang Duk Hill, Phuket 080754N 0981957E range 256 NM.

2.2 Hours of operation (Secondary Surveillance Radar)

- Hours of operation will be 24 hours with the exception of scheduled preventive maintenance period:

- a) SSR – station at Don Mueang international airport
The fourth Saturday of each month from 2000 - 2200 UTC.
- b) SSR – station at Suvarnabhumi international airport
The first Saturday of each month from 2000 - 2200 UTC.
- c) SSR – station at Chiang Mai international airport
The third Thursday of each month from 2000 - 2200 UTC.
- d) SSR – station at Chiang Rai international airport
The first Wednesday of each month from 1900 - 2100 UTC.
- e) SSR – station at Chumphon airport
The first Wednesday of each month from 1900 - 2100 UTC.
- f) SSR – station at Phitsanulok airport
The third Thursday of each month from 1400 - 1600 UTC.
- g) SSR – station at Roi Et airport
The third Wednesday of each month from 1900 - 2100 UTC.
- h) SSR – station at Surat Thani airport
The third Wednesday of each month from 1900 - 2100 UTC.
- i) SSR – station at Ubon Ratchathani airport
The first Wednesday of each month from 1900 - 2100 UTC.
- j) SSR – station at Udon Thani airport
The third Wednesday of each month from 1900 - 2100 UTC.
- k) SSR – station at U-Tapao Rayong Pattaya international airport.
Between 2300-1100 UTC (Other period is on requested 1 HR PN to ATC).
- l) SSR – station at Phu Keaw, Sakon Nakhon Province.
The second and fourth Saturday of each month from 2100 - 2300 UTC.
- m) SSR – station at Doi Intanon, Chiang Mai Province.
The first and third Sunday of each month from 0500 - 0700 UTC.

- n) SSR – station at Hat Yai International airport.
The third Friday of each month from 1700 - 1900 UTC
 - o) SSR – station at Bang Duk Hill, Phuket.
The third Friday of each month from 1900 - 2000 UTC
- 2.3 Bangkok Approach Control Service Operates:
- a) ASR – station at Suvarnabhumi international airport position 134123.3N 1004613.1E range 80
- 2.4 Phuket Approach Control Service Operates:
- ASR – station at Bang duk Hill Phuket position 080754N 0981954E
 - Range 60 NM with following limitations:
 - 1) Altitude 3 000 feet within 35 NM
 - 2) Altitude 5 000 feet within 40 NM
 - 3) Altitude 7 000 feet within 60 NM
- 2.5 Hua Hin Approach Control Service Operates:
- ASR – station at Hua Hin airport position 123729N995655E (On aerodrome HHN R195/0.6 NM)
 - Range 60 NM with following limitations:
 - 1) Altitude 1 000 feet within 10 NM
 - 2) Altitude 2 000 feet within 15 NM
 - 3) Altitude 3 000 feet within 20 NM
 - 4) Altitude 4 000 feet within 25 NM
 - 5) Altitude 5 000 feet within 35 NM
 - 6) Altitude 7 000 feet within 40 NM
 - 7) Altitude 10 000 feet within 60 NM
 - 8) Altitude 20 000 feet within 60 NM
- 2.6 Phitsanulok Approach Control Service Operates:
- ASR – station at Phitsanulok airport position 164023N1001643E
 - Range 60 NM with following limitations:
 - 1) Altitude 1 000 feet within 35 NM
 - 2) Altitude 2 000 feet within 45 NM
 - 3) Altitude 5 000 feet within 50 NM
 - 4) Altitude 7 000 feet within 50 NM
 - 5) Altitude 10 000 feet within 50 NM
 - 6) Altitude 15 000 feet and above within 60 NM
- 2.7 U-Taphao Approach Control Service Operates:
- ASR – station at U-Tapao Rayong Pattaya international airport position 124055.104N1005953.74E
 - Range 250 NM
 - 1) Altitude 1 000 feet outer fringe 59.2 NM
 - 2) Altitude 2 000 feet outer fringe 71.2 NM inner fringe 0.8 NM
 - 3) Altitude 3 000 feet outer fringe 84.4 NM
 - 4) Altitude 5 000 feet outer fringe 113.6 NM inner fringe 1.9 NM
 - 5) Altitude 7 000 feet outer fringe 129.9 NM
 - 6) Altitude 10 000 feet outer fringe 160.0 NM inner fringe 2.9 NM
 - 7) Altitude 20 000 feet outer fringe 168.9 NM inner fringe 5.6 NM
- 2.8 Hours of operation (Primary radar)
- Hours of operation will be 24 hours with the exception of scheduled preventive maintenance period:
 - a) ASR – station at Don Mueang international airport
The second and fourth Saturday of each month from 1900-2100 UTC.
 - b) ASR – station at Suvarnabhumi international airport
The third Saturday of each month from 1900-2100 UTC.
 - c) ASR – station at Chiang Mai international airport
The second and fourth Friday of each month from 1430-1630 UTC
 - d) ASR – station at Hat Yai international airport
The second and fourth Friday of each month from 1500-1700 UTC.
 - e) ASR – station at Bang Duk Hill, Phuket
The second and fourth Friday of each month from 1230-1500 UTC
 - f) ASR – station at Hua Hin airport
The second and fourth Thursday of each month from 1400-1700 UTC.
 - g) ASR – station at Phitsanulok airport
The second and fourth Friday of each month from 0700-1000 UTC.

ENR 4. RADIO NAVIGATION AIDS/SYSTEMS

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
BANGKOK VOR/DME	BKK	117.7 MHz (CH 124X)	H 24	135336.8N 1003546.3E (WGS-84)	16.58M	Due to terrain surround DVOR/DME : - Radial 001°-009° beyond 40 NM should not below 2 500 ft - Radial 010° -049° beyond 40 NM should not below 2 500 ft - Radial 050° -209° beyond 40 NM should not below 3 000 ft - Radial 210° -229° beyond 40 NM should not below 2 500 ft - Radial 230° -320° beyond 40 NM should not below 3 000 ft - Radial 321° -360° beyond 40 NM should not below 2 000 ft
BURI RAM DVOR/DME	BRM	117.2 MHz (CH 119X)	H 24	151422.43N 1031531.59E (WGS-84)	-	
CHIANG MAI DVOR/DME	CMA	116.9 MHz (CH 116X)	H 24	184558.06N 0985740.38E	318M	DVOR/DME restriction due to mountainous terrain surround station coverage check does not provide adequate signal at required altitudes in various areas as follows: 1. Beyond 40 NM - Radial 350°-080° altitude should not below 8 000 ft - Radial 081°-180° altitude should not below 7 000 ft - Radial 181°-240° altitude should not below 9 000 ft 2. Beyond 20 NM - Radial 241°-349° altitude should not below 12 000 ft
CHIANG RAI DVOR/DME	CTR	116.5 MHz (CH 112X)	H 24	195653.65N 0995300.12E (WGS-84)	-	DVOR/DME restriction,due to mountainous terrain surround DVOR/DME station coverage check does not provide adequate signal to 40 NM at required altitudes and distance in various areas as following: - Radial 271° -340°at 20 NM ALT should not below 6 500 ft (Due to border limited.) - Radial 341° -140° at 20 NM ALT should not below 5 000 ft

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
CHUM PHAE DVOR/DME	CMP	112.9 MHz (CH 76X)	H 24	163811.3N 1015905.4E (WGS-84)	-	(Due to border limited.) - Radial 141° -180° at 40 NM ALT should not below 5 000 ft - Radial 181° -210° at 40 NM ALT should not below 7 500 ft - Radial 211° -240° at 40 NM ALT should not below 9 000 ft - Radial 241° -260° at 40 NM ALT should not below 12 000 ft - Radial 261° -270° at 40 NM ALT should not below 10 000 ft DVOR/DME unusable due to roughness on radial 340° distance between 7-9 DME at ALT6 000 FT. DVOR/DME unusable due to roughness on radial 143° distance between 13 -15 DME at ALT 4 500 FT.
CHUM PHON DVOR/DME	CPN	110.0 MHz (CH 37X)	H 24	104240.21N 0992156.03E	5.50M (18 ft)	DVOR/DME restriction, due to mountainous terrain coverage orbit shall be as follows: 1. 40 NM clockwise orbit flown from - Radial 011°-190° altitude should not below 2 000 ft - Radial 191°-240° altitude should not below 3 500 ft 2. Radial 241°-010° unable to fly. (Due to border limited)
HAT YAI DVOR/DME	HTY	115.3 MHz (CH 100X)	H 24	065602.75N 1002316.47E (WGS-84)	37.3M	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 follows : - Radial 171°- 240° at 10 NM ALT should not below 5 000 ft - Radial 131°- 170° at 20 NM ALT should not below 4 000 ft - Radial 031°-130° at 40 NM ALT should not below 5 000ft - Radial 241°- 270° at 40 NM ALT should not below 7 000 ft - Radial 271°- 300° at 40 NM ALT should not below 10 000 ft

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
HUA HIN DVOR/DME	HHN	113.3 MHz (CH 80X)	H 24	123804.04N 0995704.23E	-	- Radial 301°- 330° at 40 NM ALT should not below 6 000 ft - Radial 331°- 030° at 40 NM ALT should not below 3 000 ft DVOR/DME restriction, due to terrain surround DVOR/DME station coverage check does not provide adequate signal 40 NM at required altitude in various areas: 40 NM clockwise orbit flown from - Radial 001°-070° altitude should not below 4 000 ft (found roughness in tolerance, obstruction by condominium) - Radial 071°-170° altitude should not below 2 000 ft - Radial 171°-220° altitude should not below 5 000 ft - Radial 301°-360° altitude should not below 5 500 ft 30 NM clockwise orbit flown from: - Radial 221°-300° altitude should not below 8 000 ft (Due to border limited)
KAMPHAENG SAEN VOR/DME	KPS	114.5 MHz (CH 92X)	2300- 1100	140956N 0995715E	-	
KHON KAEN DVOR/DME	KKN	114.9 MHz (CH 96X)	H 24	162814.73N 1024716.07E (WGS-84)	-	
KHORAT DVOR/DME	KRT	113.7 MHz	H 24	145502.35N 1020823.32E (WGS-84)	-	287 MAG/3.7 NM

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
→ KRABI DVOR/DME	KBI	111.0 MHz (CH 47X)	H 24	080627.19N 0985839.07 (WGS-84)	-	DVOR/DME restriction, due to mountainous terrain surround DVOR/DME station coverage check does not provide adequate signal to 40 NM at required altitude in various areas: 1. 40 NM clockwise orbit flown from - Radial 001°-039° altitude should not below 3 500 ft - Radial 040°-270° altitude should not below 3 000 ft - Radial 271°-300° altitude should not below 5 000 ft - Radial 351°-360° altitude should not below 4 000 ft 2. 30 NM clockwise orbit flown from - Radial 301°-350° altitude should not below 7 000 ft
→ LAMPANG DVOR/DME	LPN	114.7 MHz (CH 94X)	H 24	181635.87N 0993008.40E (WGS-84)	-	DVOR/DME restriction, due to terrain surround DVOR/DME station coverage check does not provide adequate signal to 40 NM at required altitudes in various areas: - Radial 351°-070° beyond 40 NM should not below 6 000 ft - Radial 071°-130° beyond 30 NM should not below 6 000 ft - Radial 131°-320° beyond 40 NM should not below 6 000 ft - Radial 321°-350° beyond 30 NM should not below 6 000 ft
→ LOEI DVOR/DME	LOY	115.9 MHz (CH106X)	H24	172649.38N 1014323.12E (WGS-84)	-	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;

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
MAE HONG SON DVOR/DME	MHS	115.5 MHz (CH 102X)	H 24	191910.73N 0975443.50E (WGS-84)	-	1. 40 NM orbit - RDL030-050° ALT should not below 10 000 ft - RDL051-100° ALT should not below 7000 ft - RDL101-130° ALT should not below 10000 ft - RDL131-200° ALT should not below 5000 ft - RDL201-250° ALT should not below 12000 ft - RDL251-270° ALT should not below 13000 ft 2. 20 NM orbit (Due to border limited) - RDL 271-029° ALT should not below 4500 ft 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: - Radial 060°-080° beyond 40 NM should not below 8 500 ft - Radial 081°-120° beyond 40 NM should not below 11 000 ft - Radial 121°-180° beyond 40 NM should not below 9 000 ft - Radial 181°-059° unable to performed (Due to border limited.) DME unusable radial 080°-120° beyond 30 NM altitude below 10 000 ft DVOR/DME unusable due to roughness and scalloping on radial 040° distance between 10-12 DME, radial 119° distance between 8-10 DME and radial 090° distance between 8-9 DME.
MAE SOT DVOR/DME	MST	116.7 MHz (CH 114X)	H 24	164155.27N 0983231.58E (WGS-84)	-	- 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

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
NAKHON PHANOM VOR/DME	NKP	111.6 MHz (CH 53X)	H 24	172317.87N 1043818.01E (WGS-84)	-	areas as follows: - Radial 001°-030° altitude should not below 7 000 ft - Radial 031°-060° altitude should not below 6 500 ft - Radial 061°-100° altitude should not below 6 000 ft - Radial 101°-120° altitude should not below 7 000 ft - Radial 121°-360° unable to fly (Due to border limited.) DVOR/DME coverage restriction as follows: - Radial 181°-250° beyond 40 NM altitude should not below 3 500 ft - Radial 251°-320° beyond 40 NM altitude should not below 2 000 ft - Radial 321°-180° unable to check (Due to border limited.)
NAKHON RATCHASIMA DVOR/DME	NKR	110.2 MHz (CH 39X)	H 24	145647.66N 1021840.35E	-	
NAKHON SI THAMMARAT DVOR/DME	NKS	117.4 MHz (CH 121X)	H 24	083229.95N 0995648.67E	-	Due to mountainous terrain surround DVOR/DME station coverage check does not provide adequate signal to 40 NM at required altitudes is various areas: - Radial 001°-190° beyond 40 NM should not below 2 500 ft - Radial 191°-240° beyond 40 NM should not below 7 000 ft - Radial 241°-280° beyond 25 NM should not below 8 000 ft - Radial 281°-320° beyond 40 NM should not below 7 000 ft - Radial 321°-360° beyond 40 NM should not below 5 000 ft
NAN DVOR/DME	NAN	115.7 MHz (CH 104X)	H 24	184832.76N 1004657.31E (WGS-84)	-	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 follows: - Radial 011°-110° at 20 NM should not below 8 000 ft

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
NARATHIWAT DVOR/DME	NTW	116.3 MHz (CH 110X)	H 24	063138.24N 1014442.48E (WGS-84)	-	- Radial 111°-160° at 20 NM should not below 6 000 ft - Radial 161°-180° at 40 NM should not below 6 000 ft - Radial 181°-330° at 40 NM should not below 7 000 ft - Radial 311°-010° at 40 NM should not below 8 000 ft 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: 1. 40 NM clockwise orbit flown from - Radial 270°-290° altitude should not below 9 000 ft - Radial 291°-300° altitude should not below 4 000 ft - Radial 301°-020° altitude should not below 2 000 ft 2. 20 NM clockwise orbit flown from - Radial 021°-130° altitude should not below 2 000 ft - Radial 131°-270° altitude should not below 5 000 ft
PHETCHABUN DVOR/DME	PCB	115.4 MHz (CH 101X)	H 24	164033.66N 1011148.12E (WGS-84)	-	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 follows: - Radial 061°-230° beyond 30 NM altitude should not below 6 500 ft - Radial 231°-320° beyond 30 NM altitude should not below 8 000 ft - Radial 321°-060° beyond 40 NM altitude should not below 7 500 ft

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
PHITSANULOK DVOR/DME	PSL	114.1 MHz (CH 88X)	H 24	164613.34N 1001728.70E	-	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 follows: - Radial 001°-130° altitude should not below 5 500 ft - Radial 131°-260° altitude should not below 3 000 ft - Radial 261°-360° altitude should not below 5 000 ft
PHUKET DVOR/DME	PUT	116.9 MHz (CH 116X)	H 24	080654.83N 0981822.69E (WGS-84)	16.72M	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 follows: - Radial 360°-030° altitude should not below 5 500 ft - Radial 031°-170° altitude should not below 9 000 ft - Radial 171°-220° altitude should not below 7 000 ft - Radial 221°-359° altitude should not below 3 000 ft
RANONG VOR/DME	RAN	113.4 MHz (CH 81X)	H 24	094643.18N 0983502.11E (WGS-84)	-	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 follows: - Radial 020°-120° altitude should not below 14 000 ft - Radial 121°-170° altitude should not below 11 000 ft - Radial 171°-200° altitude should not below 6 500 ft - Radial 201°-019° unable to fly(Due to border limited .)

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
RAYONG DVOR/DME	RYN	112.5MHz (CH 72X)	H 24	124648.3N 1014041.7E (WGS-84)	-	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: - Radial 011°-030° beyond 40 NM should not below 6 000 ft - Radial 031°-050° beyond 40 NM should not below 3 000 ft - Radial 051°-080° beyond 40 NM should not below 5 000 ft - Radial 081°-010° beyond 40 NM should not below 3 000 ft
ROI-ET DVOR/DME	ROT	111.2 MHz (CH 49X)	H 24	160700.59N 1034619.45E	-	
SAKON NAKHON DVOR/DME	SKN	114.2 MHz (CH 89X)	H 24	171250.89M 1040812.34E (WGS-84)	-	DVOR/DME restriction due to mountain terrain surround as follows : - Radial 000°- 130° beyond 30 NM altitude should not below 2 100 ft - Radial 131°- 280° beyond 30 NM altitude should not below 5 500 ft
SONGKHLA VOR/DME	SKL	113.5 MHz (CH 82X)	H 24	071119.65N 1003615.11E	-	Military facility

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
SAMUI DVOR/DME	SMU	117.6 MHz (CH 123X)	H 24	093249.47N 1000342.27E	-	-
SURAT THANI DVOR/DME	STN	110.6 MHz (CH 43X)	H 24	090746.24N 0990805.09E (WGS-84)	-	DVOR/DME restriction, due to mountainous terrain surround DVOR/DME station coverage orbit 40 NM as follows: - Radial 001°-070° altitude should not below 1 500 ft - Radial 071°-090° altitude should not below 3 500 ft - Radial 091°-150° altitude should not below 5 000 ft - Radial 151°-190° altitude should not below 1 500 ft - Radial 191°-360° altitude should not below 4 000 ft - Radial 227° distance approximate 10-13 DME out of tolerance roughness and scalloping
SUKHOTHAI NDB DME	THS	292 KHz (CH 40X)	H 24 H 24	171406.81N 0994919.23E 171408.27N 0994906.89E	181.03 ft	DME:Paired with NDB Freq.

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
TRANG DVOR/DME	TRN	116.6 MHz (CH 113X)	H 24	073032.17N 0993733.67E (WGS-84)	-	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 follows: - Radial 150°- 350° at 40 NM altitude should not below 4 000 ft - Radial 351°- 020° at 40 NM altitude should not below 6 000 ft - Radial 021°-150° at 20 NM altitude should not below 6 000 ft
UBON DVOR/DME	UBL	112.7 MHz (CH 74X)	H 24	151442.71N 1045157.30E (WGS-84)	-	Coverage orbit data refer from commissioning checked: - Radial 071°-110° at 30 NM altitude should not below 2 000 ft (Due to border limited) - Radial 111°- 070° at 40 NM altitude should not below 2 000 ft
UDON DVOR/DME	UDN	114.3 MHz (CH 90X)	H 24	172304.20N 1024630.05E (WGS-84)	-	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 follows : 1. 20 NM orbit (Due to border limited) - RDL331°-030° ALT should not below 2500 FT 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

ENR 4.1 RADIO NAVIGATION AIDS – EN-ROUTE

Name of station (VOR/VAR)	ID	Frequency (CH)	Hours of operation	Coordinates	ELEV DME antenna	Remarks
1	2	3	4	5	6	7
U-TAPAO VOR/DME	BUT	110.8 MHz (CH 45X)	H 24	124000.02N 1010001.71E	6M/AGL	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 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: 40 NM orbit flown from - Radial 041°-090° altitude should not below 3 500 ft - Radial 091°-110° altitude should not below 4 500 ft - Radial 111°-200° altitude should not below 2 000 ft - Radial 201°-240° altitude should not below 4 000 ft - Radial 321°-040° altitude should not below 4 500 ft 25 NM orbit flown from - Radial 241°-280° altitude should not below 2 500 ft - Radial 281°-320° altitude should not below 3 000 ft

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VTCC AD 2.24 CHARTS RELATED TO THE AERODROME

	Page
Aerodrome Chart – ICAO	VTCC AD 2-21
Aircraft Parking/Docking Chart – ICAO	VTCC AD 2-23
Aerodrome Ground Movement Chart – ICAO	VTCC AD 2-25
Aerodrome Obstacle Chart – ICAO Type A-RWY 18/36	VTCC AD 2-27
Area Chart – ICAO	VTCC AD 2-29
Standard Instrument Departure Chart – RWY 18	VTCC AD 2-31
Standard Instrument Departure Chart – RWY 18	VTCC AD 2-32
Standard Instrument Departure Chart – RWY 36	VTCC AD 2-33
Standard Instrument Departure Chart – RWY 36	VTCC AD 2-34
Standard Departure Chart – Instrument - ICAO	VTCC AD 2-35
Standard Departure Chart – Instrument - ICAO	VTCC AD 2-36
Instrument Approach Chart - ICAO - RNAV(GNSS) RWY 36	VTCC AD 2-37
Instrument Approach Chart – ICAO – RWY 36 – VOR	VTCC AD 2-39
Instrument Approach Chart - ICAO - RNAV(GNSS) RWY 18	VTCC AD 2-41
Instrument Approach Chart – ICAO – RWY 36 – ILS or LOC	VTCC AD 2-43
Standard Departure Charts -	
RNAV (SID) – RWY 36 – WARMY 1 N WEEWA 1 N	VTCC AD 2-45
RNAV (SID) – RWY 36 – WARMY 1 X WEEWA 1 X	VTCC AD 2-47
RNAV (SID) – RWY 36 – NUNWA 1 N EASEE 1 N EMMET 1 N ANYAR 1 N	
PANTA 1 N ALLAY 1 N ZUGAR 1 N ZARDY 1 N	VTCC AD 2-49
Standard Arrival Charts -	
RNAV (STAR) – RWY 36 – WARMY 1 A WEEWA 1 A	VTCC AD 2-51
RNAV (STAR) – RWY 36 – NUNWA 1 A EASEE 1 A EMMET 1 A ANYAR 1 A	
PANTA 1 A ALLAY 1 A MARNI 1 A ZUGAR 1 A ZARDY 1 A	VTCC AD 2-53

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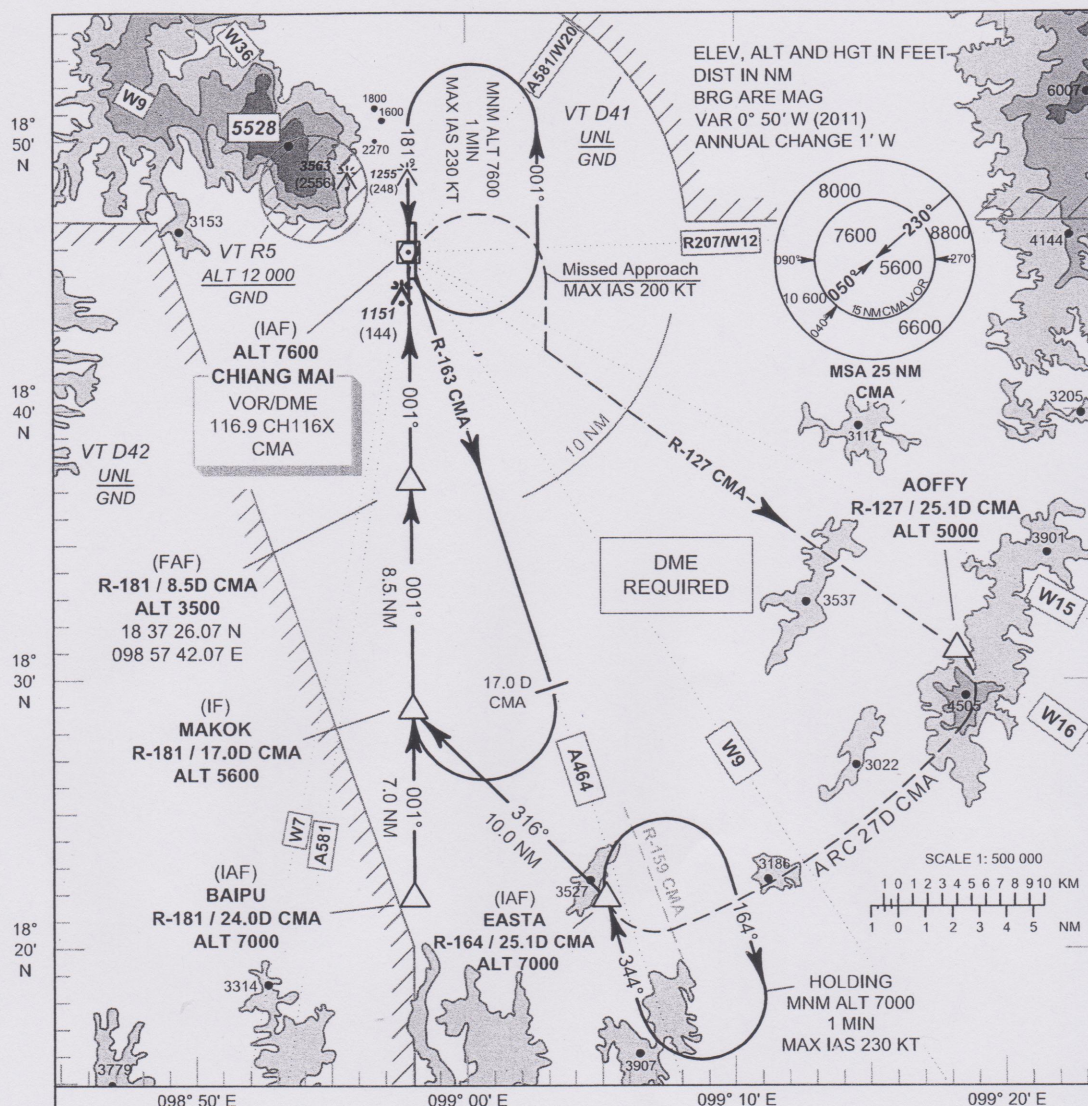
INSTRUMENT APPROACH
CHART - ICAO

AERODROME ELEV 1036 FT
HEIGHTS RELATED TO
THR RWY 36 - ELEV 1007 FT

APP : 129.6 , 305.4
TWR : 118.1 , 236.6
GND : 121.9 , 275.8
ATIS : 127.2 , 301.5

CHIANG MAI /
Chiang Mai Intl (VTCC)

VOR RWY36



MISSED APPROACH :

No turn before MAPt.

Speed restricted to
MAX IAS 200 KT until after turn.

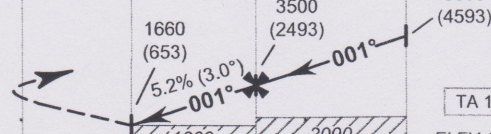
Climb straight ahead to 1700 FT,
then turn right to intercept outbound R-127
CMA VOR, proceed on R-127 to AOFFY follow
ARC 27D CMA to EASTA at 7000 FT
and hold or as directed by ATC.

VOR/DME
CMA

MAPt

(FAF)

(IF)
MAKOK



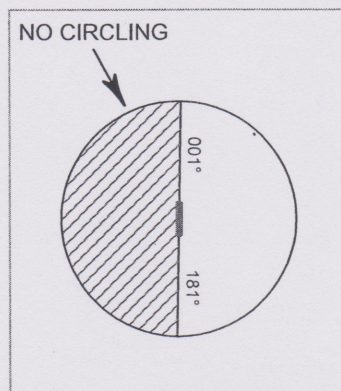
NM FM THR 36					0 1.9 7.7 16.2 (THR RWY 36)								
DME FM VOR/DME					0 0.8 2.7 8.5 17.0								
OCA/H	A	B	C	D	Distance (CMA)	2.7D	3D	4D	5D	6D	7D	8D	FAF
Straight - in Approach	1660 (653)				Altitude (Height)	1660 (653)	1750 (743)	2070 (1063)	2385 (1378)	2700 (1693)	3015 (2008)	3330 (2323)	3500 (2493)
Circling* (OCH AAL)	2020 (984)		2220 (1184)	2420 (1384)	Ground speed	knot	100	120	140	160	180	200	
*FOR CIRCLING RESTRICTIONS SEE VERSO					Rate of descent	(ft/min)	530	630	740	845	950	1055	

Date: Feb 2016

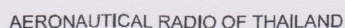
CHIANG MAI / Chiang Mai Intl (VTCC)

VOR RWY36

Fix / Point		Coordinates	
EASTA (IAF)	R-164 / 25.1 D CMA	18 21 45.87 N	099 05 08.92 E
BAIPU (IAF)	R-181 / 24.0 D CMA	- 18 21 51.34 N	098 57 42.68 E
MAKOK (IF)	R-181 / 17.0 D CMA	18 28 53.15 N	098 57 43.76 E
FAF	R-181 / 8.5 D CMA	18 37 26.07 N	098 57 42.07 E
MAPt	R-181 / 2.7 D CMA	18 43 15.43 N	098 57 40.92 E
THR RWY 36	-	18 45 10.95 N	098 57 46.26 E
VOR	CMA	18 45 58.06 N	098 57 40.38 E
AOFFY	R-127 / 25.1 D CMA	18 31 05.28 N	099 19 01.11 E



CHIANG MAI /
Chiang Mai Intl (VTCC)
RNAV (GNSS) RWY18



**INSTRUMENT
APPROACH
CHART - ICAO**

**AERODROME ELEV 1036 FT
HEIGHTS RELATED TO
AERODROME ELEV**

**CHIANG MAI /
Chiang Mai Intl (VTCC)**

RNAV (GNSS) RWY18

TABULAR DESCRIPTION

RNAV (GNSS) RWY18

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	ANGET (IAF)	-	-	+0.8	-	-	@9000	-	-	RNP APCH
020	TF	WANCA	-	116°(115.46°)	+0.8	6.3	-	@8000	-200	-	RNP APCH
030	TF	ZUTEF	-	116°(115.46°)	+0.8	5.3	-	@5600	-200	-	RNP APCH
040	TF	MALIM (IF)	-	116°(115.46°)	+0.8	4.5	-	@3700	-200	-	RNP APCH
010	IF	YAMUN (IAF)	-	-	+0.8	-	-	@9000	-	-	RNP APCH
020	TF	WANCA	-	072°(070.96°)	+0.8	12.0	R	@8000	-200	-	RNP APCH
030	TF	ZUTEF	-	116°(115.46°)	+0.8	5.3	-	@5600	-200	-	RNP APCH
040	TF	MALIM (IF)	-	116°(115.46°)	+0.8	4.5	-	@3700	-200	-	RNP APCH
010	IF	NUNWA (IAF)	-	-	+0.8	-	-	@8000	-	-	RNP APCH
020	TF	PAPAI	-	217°(216.45°)	+0.8	9.5	R	@8000	-200	-	RNP APCH
030	TF	LAMMY	-	282°(281.20°)	+0.8	7.4	L	@5200	-200	-	RNP APCH
040	TF	MALIM (IF)	-	211°(210.15°)	+0.8	3.5	-	@3700	-200	-	RNP APCH
010	IF	NIWAT	-	-	+0.8	-	-	+8000	-	-	RNP APCH
020	TF	WISTA (IAF)	-	357°(356.33°)	+0.8	8.0	-	+8000	-	-	RNP APCH
030	TF	PAPAI	-	357°(356.33°)	+0.8	12.2	L	@8000	-200	-	RNP APCH
040	TF	LAMMY	-	282°(281.20°)	+0.8	7.4	L	@5200	-200	-	RNP APCH
050	TF	MALIM (IF)	-	211°(210.15°)	+0.8	3.5	-	@3700	-200	-	RNP APCH
010	IF	MALIM (IF)	-	-	+0.8	-	-	@3700	-200	-	RNP APCH
020	TF	CNXNF (FAF)	-	181°(180.14°)	+0.8	5.5	-	@2500	-	-	RNP APCH
030	TF	SAPUT (SDF)	-	181°(180.14°)	+0.8	1.0	-	@2200	-	-	RNP APCH
040	TF	THR18 (MAPt)	Y	181°(180.14°)	+0.8	3.5	-	@1750	-	-	RNP APCH
050	TF	NEWLY (MATF)	-	181°(180.14°)	+0.8	20.8	-	-	-200	-	RNP APCH
060	DF	NIWAT	-	-	+0.8	-	L	+8000	-	-	RNP APCH
070	HM	NIWAT	Y	307°(306.18°)	+0.8	1 minute	R	+8000	-230	-	RNP APCH

INSTRUMENT
APPROACH
CHART - ICAO

AERODROME ELEV 1036 FT
HEIGHTS RELATED TO
AERODROME ELEV

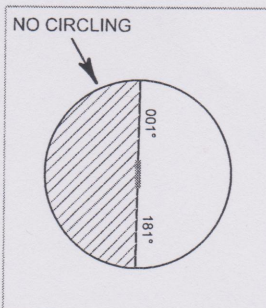
CHIANG MAI /
Chiang Mai Intl (VTCC)

RNAV (GNSS) RWY18

WAYPOINT LIST

RNAV (GNSS) RWY18

Waypoint Identifier	Coordinates	Pronunciation
ANGET	19° 03' 53.80" N 098° 42' 22.25" E	ANN - GET
YAMUN	18° 57' 12.85" N 098° 36' 28.84" E	YA - MOON
WANCA	19° 01' 08.45" N 098° 48' 27.72" E	WAN - SHA
ZUTEP	18° 58' 51.10" N 098° 53' 30.82" E	SU - TEPH
NUNWA	19° 06' 10.49" N 099° 13' 19.89" E	NUN - WA
NWAT	18° 38' 15.97" N 099° 08' 44.17" E	NI - WATH
WISTA	18° 46' 15.75" N 099° 08' 11.82" E	WISS - TA
PAPAI	18° 58' 29.70" N 099° 07' 22.25" E	PA - PEI
LAMMY	18° 59' 56.75" N 098° 59' 39.38" E	LAM - MEE
MALIM	18° 56' 54.38" N 098° 57' 48.06" E	MAE - LIM
CNXNF	18° 51' 22.97" N 098° 57' 47.21" E	
SAPUT	18° 50' 22.71" N 098° 57' 47.05" E	SA - POOT
MAPt (THR18)	18° 46' 51.81" N 098° 57' 46.51" E	
NEWLY	18° 25' 58.44" N 098° 57' 43.31" E	NEW - LEE

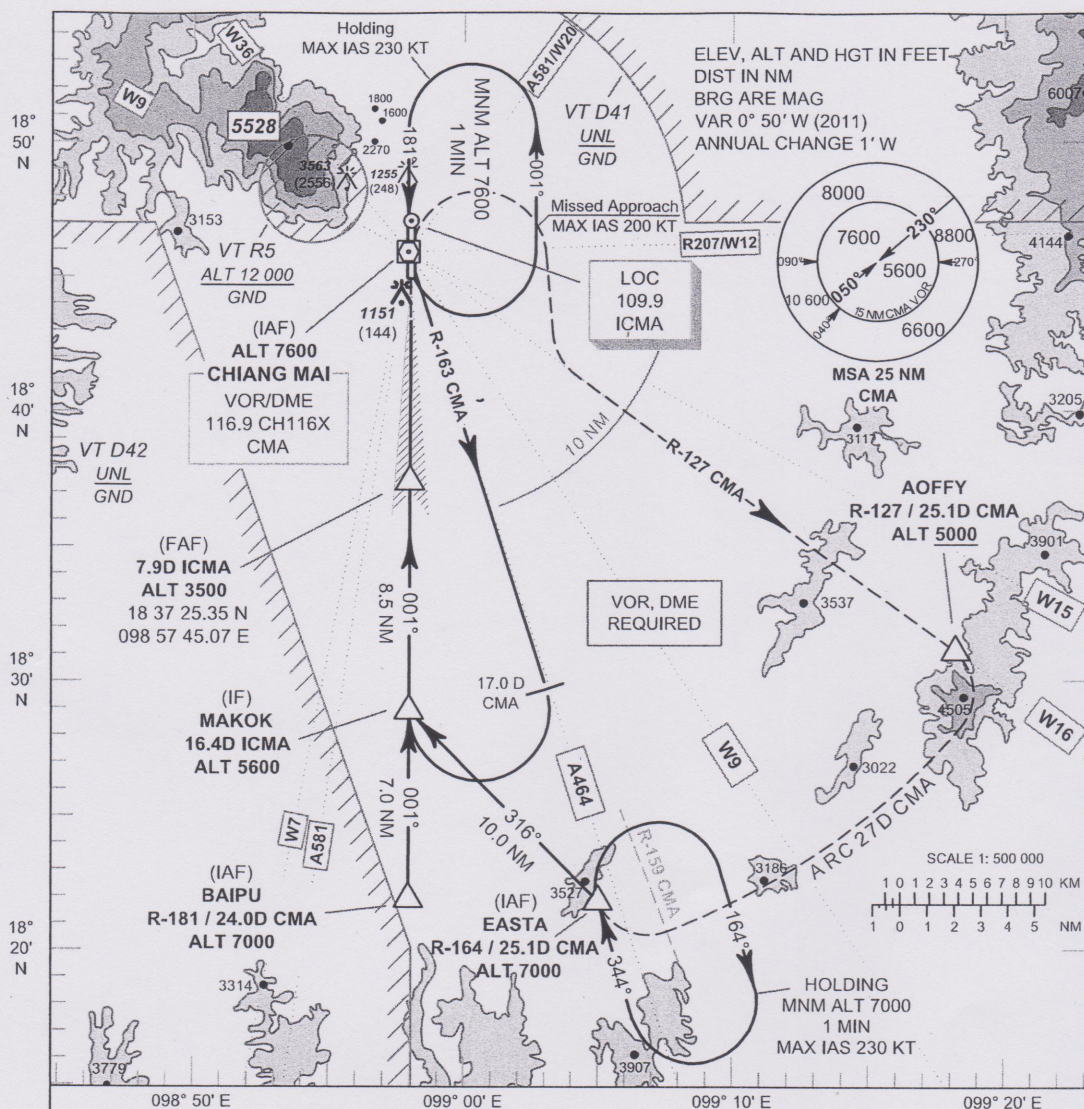


INSTRUMENT **AERODROME ELEV 1036 FT**
APPROACH **HEIGHTS RELATED TO**
CHART - ICAO **THR RWY 36 - ELEV 1007 FT**

APP : 129.6 , 305.4
TWR : 118.1 , 236.6
GND : 121.9 , 275.8
ATIS : 127.2 , 301.5

CHIANG MAI /
Chiang Mai Intl (VTCC)

ILS or LOC RWY36

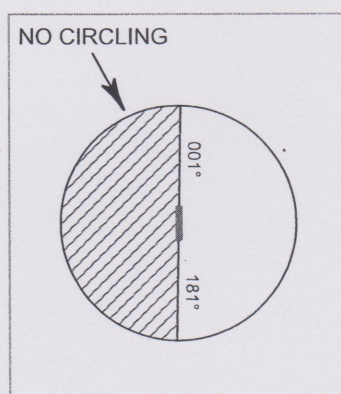


Date: Feb 2016

CHIANG MAI / Chiang Mai Intl (VTCC)

ILS or LOC RWY36

Fix / Point		Coordinates	
EASTA (IAF)	R-164 / 25.1 D CMA	18 21 45.87 N	099 05 08.92 E
BAIPU (IAF)	R-181 / 24.0 D CMA	18 21 51.34 N	098 57 42.68 E
MAKOK (IF)	16.4 D ICMA	18 28 53.15 N	098 57 43.76 E
FAF	7.9 D ICMA	18 37 25.35 N	098 57 45.07 E
MAPt (LOC only)	1.8 D ICMA	18 43 33.11 N	098 57 46.01 E
THR RWY 36	0.2 D ICMA	18 45 10.95 N	098 57 46.26 E
LOC	ICMA	18 47 07.42 N	098 57 46.56 E
AOFFY	R-127 / 25.1 D CMA	18 31 05.28 N	099 19 01.11 E



VTCT AD 2. AERODROMES

VTCT AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTCT - CHIANG RAI / MAE FAH LUANG-CHIANG RAI INTERNATIONAL AIRPORT

VTCT AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	195708N 995259E Center Line of RWY, 1500 M from THR RWY21
2	Direction and distance from (city)	9 KM, NE from city
3	Elevation/Reference temperature	390.23 M (1280 FT) / 35° C
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/Annual change	0° 51' W(2016)/ 0° 0' E
6	AD Administration, address, telephone, telefax, telex, AFS	Director of Mae Fah Luang-Chiang Rai International Airport Mae Fah Luang-Chiang Rai International Airport 404 Chiang Rai-Maechan Road Rimkok-Baan Doo Sub-District Amphoe Mueang, Chiang Rai 57100 Thailand Tel. 66-0-5379 8151, 66-0-5379 8000 Fax. 66-0-5379 3071 AFS: VTCTYDYX
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Operator: Airports of Thailand Public Company Limited (AOT)

VTCT AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300-1700, after this period 1 HR PN to ATC	←
2	Customs and immigration	Customs: 0130-0930 or available on request Immigration: Available with AD hours	
3	Health and sanitation	Available on request	
4	AIS Briefing Office	2300-1400	
5	ATS Reporting Office (ARO)	Nil	
6	MET Briefing Office	H24	
7	ATS	2300 – 1430, Other than this period 1 HR PN to ATC	←
8	Fuelling	H24	
9	Handling	Available with AD hours	
10	Security	H24	
11	De-icing	Nil	
12	Remarks	Nil	

VTCT AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	2 High lifts. Handling weights up to 8 tons per day. Provided by Thai Airways International Public Co., Ltd. Tel : (+66) 5379 8200, (+66) 5379 8201 Fax : (+66) 5379 3059, (+66) 5379 3060 1 Hand lift. Handling weights up to 4 tons per day. Provided by BAGS Ground Services Co., Ltd. Tel : (+66) 5202 9856
2	Fuel/oil types	Jet A-1
3	Fuelling facilities/capacity	1 Jet A-1 Refueller @ 12,000 L
4	De-icing facilities	-
5	Hangar space for visiting aircraft	Not available
6	Repair facilities for visiting aircraft	Not available
7	Remarks	Nil

VTCT AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	Available at the AD and in the city
3	Transportation	Limousines, Taxis and Car hire from the AD
4	Medical facilities	First aid at AD hospitals in the city
5	Bank and Post Office	In the city / At AD open : MON-FRI 0130-1300 SAT-SUN 0200-1300 Post Office : 0200-1300
6	Tourist Office	In the city
7	Remarks	Nil

VTCT AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 9
2	Rescue equipment	Yes
3	Capability for removal of disabled aircraft	-
4	Remarks	Nil

VTCT AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

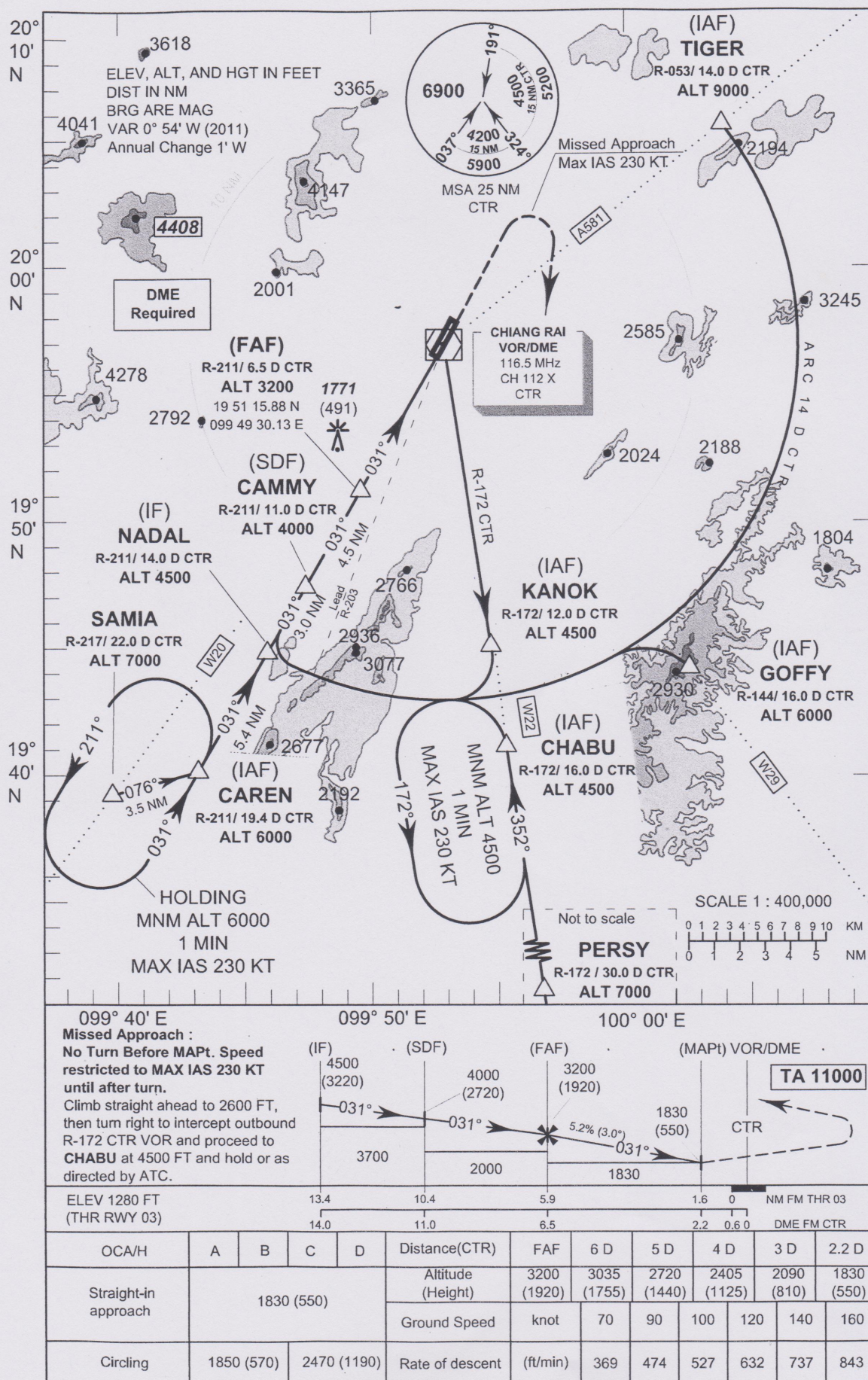
VTCT AD 2.24 CHARTS RELATED TO AN AERODROME

	Page
Aerodrome Chart - ICAO	VTCT AD 2-11
Aircraft Parking/Docking Chart - ICAO	VTCT AD 2-13
Aerodrome Ground Movement Chart - ICAO	VTCT AD 2-15
Aerodrome Obstacle Chart - ICAO - Type A - RWY 03/21	VTCT AD 2-17
Standard Instrument Departure (SID) - RWY 03	VTCT AD 2-19
Standard Instrument Departure (SID) - RWY 21	VTCT AD 2-20
Instrument Approach Chart - ICAO - RWY 03 - NDB / DME	VTCT AD 2-21
Instrument Approach Chart - ICAO - RWY 21 VOR	VTCT AD 2-23
Instrument Approach Chart - ICAO - RWY 03 – VOR	VTCT AD 2-25
Instrument Approach Chart - ICAO - RWY 03 – ILS or LOC	VTCT AD 2-27
Instrument Approach Chart - ICAO - RWY 21 – RNAV (GNSS)	VTCT AD 2-29
Instrument Approach Chart - ICAO - RWY 03 – RNAV (GNSS)	VTCT AD 2-31
Standard Arrival Chart – Instrument – RNAV (STAR) – RWY 03 - PERSY 1 A	VTCT AD 2 -33

INSTRUMENT APPROACH
CHART-ICAO AERODROME ELEV 1280 FT
HEIGHTS RELATED TO
AERODROME ELEV

APP : 120.05, 257.80
TWR : 118.40, 236.60

CHIANG RAI/
MAE FAH LUANG-Chiang Rai Intl (VTCT)
VOR RWY03



FEB 2015

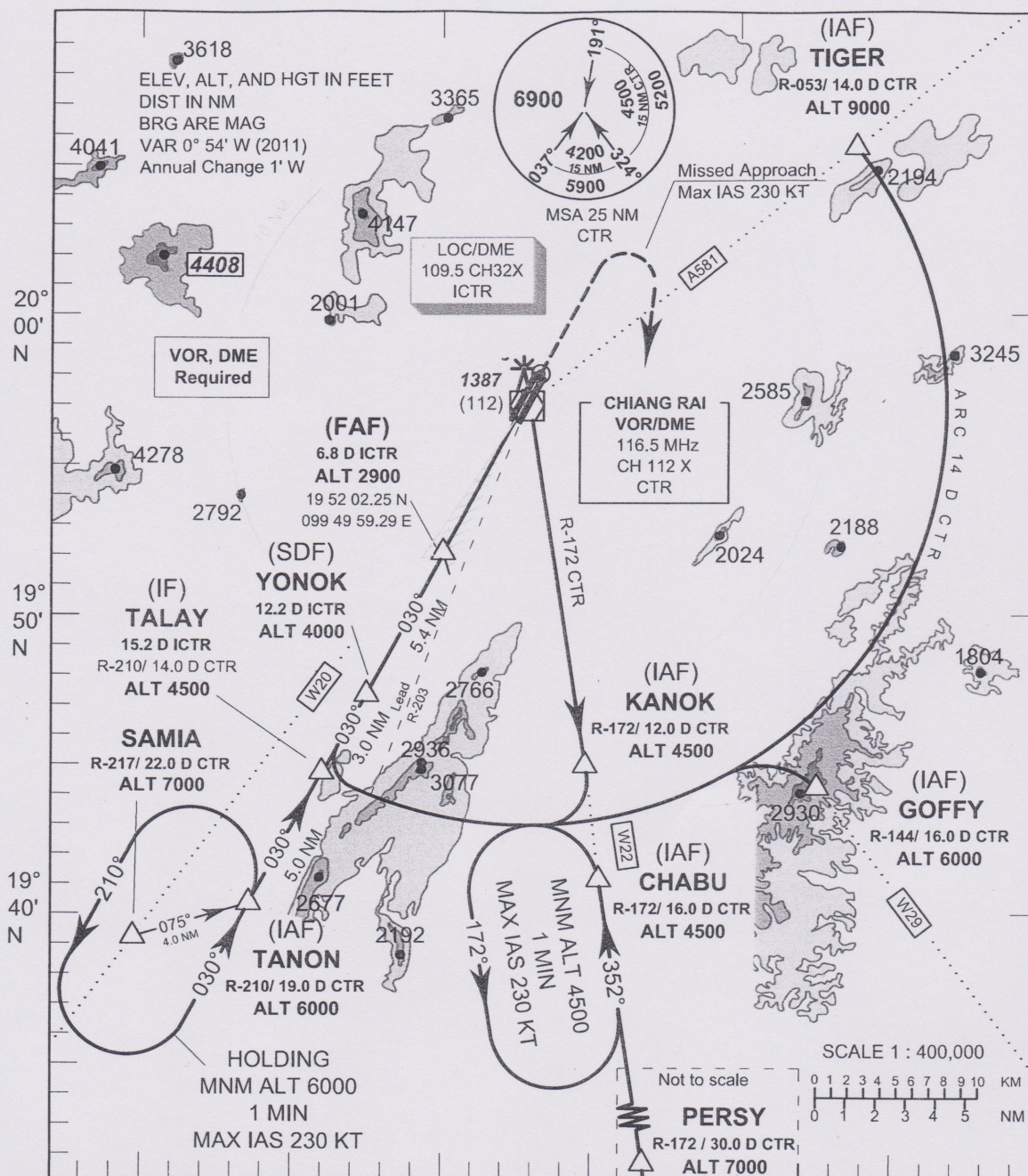
CHIANG RAI/
MAE FAH LUANG - Chiang Rai Intl (VTCT)
VOR RWY03

Fix / Point		Coordinates	
TIGER (IAF)	R - 053 / 14.0 D CTR	20 05 33.83 N	100 04 43.54 E
GOFFY (IAF)	R - 144 / - 16.0 D CTR	19 44 05.60 N	100 03 11.64 E
KANOK (IAF)	R - 172 / 12.0 D CTR	19 45 00.84 N	099 54 51.74 E
PERSY	R - 172 / 30.0 D CTR	19 27 08.21 N	099 57 39.93 E
CHABU (IAF)	R - 172 / 16.0 D CTR	19 41 02.48 N	099 55 29.16 E
SAMIA	R - 217 / 22.0 D CTR	19 39 10.76 N	099 39 02.55 E
CAREN (IAF)	R - 211 / 19.4 D CTR	19 40 05.01 N	099 42 38.29 E
NADAL (IF)	R - 211 / 14.0 D CTR	19 44 46.82 N	099 45 31.15 E
CAMMY (SDF)	R - 211 / 11.0 D CTR	19 47 23.08 N	099 47 07.08 E
FAF	R - 211 / 6.5 D CTR	19 51 15.88 N	099 49 30.13 E
MAPt	R - 211 / 2.2 D CTR	19 55 01.35 N	099 51 48.81 E
THR RWY03	-	19 56 25.74 N	099 52 33.60 E
VOR	CTR	19 56 55.90 N	099 52 59.31 E

INSTRUMENT AERODROME ELEV 1280 FT
APPROACH HEIGHTS RELATED TO
CHART-ICAO THR 03 - ELEV 1280 FT

APP : 120.05, 257.80
TWR : 118.40, 236.60

CHIANG RAI/
MAE FAH LUANG-Chiang Rai Intl (VTCT)
ILS or LOC RWY03



Missed Approach:
No Turn Before MAPt (For LOC Only).
Speed restricted to MAX IAS 230 KT
until after turn. Climb straight ahead to
2900 FT, then turn right to intercept
outbound R-172 CTR VOR and proceed
to CHABU at 4500 FT and hold or as
directed by ATC.

ELEV 1280 FT
(THR RWY 03)

RDH 53.6 FT

OCA/H	A	B	C	D	GS out	Distance(ICTR)	FAF	6 D	5 D	4 D	3 D	2.8 D
Straight-in approach CAT I	1480 (200)					Altitude (Height)	2900 (1620)	2655 (1375)	2340 (1060)	2025 (745)	1710 (430)	1640 (360)
						Ground Speed	knot	70	90	100	120	140
LOC Only	1640 (360)					Rate of descent (3°)	(ft/min)	372	478	531	637	743
Circling	1850 (570)		2470 (1190)									

Feb 2015

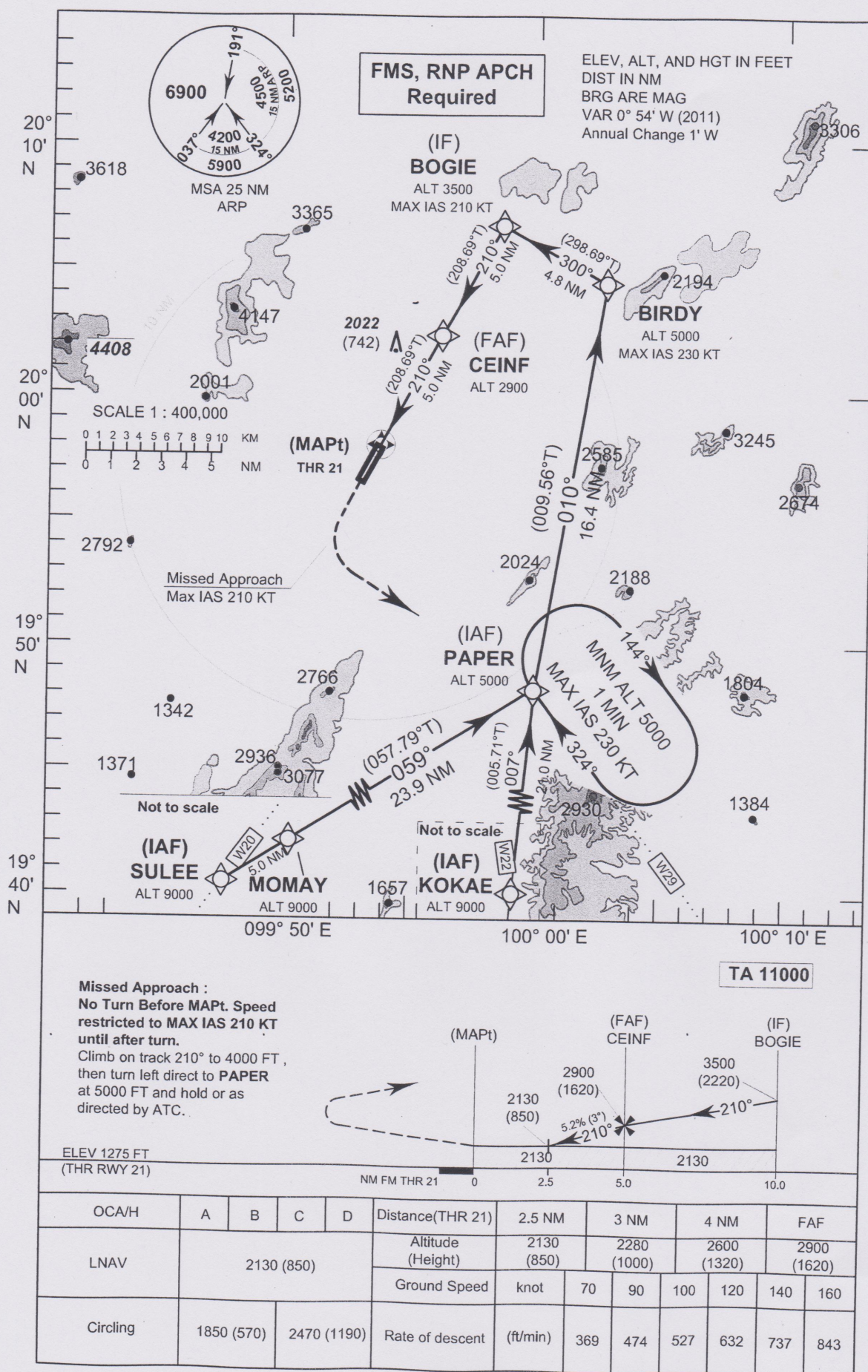
CHIANG RAI/
MAE FAH LUANG - Chiang Rai Intl (VTCT)
ILS or LOC RWY03

Fix / Point		Coordinates	
TIGER (IAF)	R - 053 / 14.0 D CTR	20 05 33.83 N	100 04 43.54 E
GOFFY (IAF)	R - 144 / 16.0 D CTR	19 44 05.60 N	100 03 11.64 E
KANOK (IAF)	R - 172 / 12.0 D CTR	19 45 00.84 N	099 54 51.74 E
PERSY	R - 172 / 30.0 D CTR	19 27 08.21 N	099 57 39.93 E
CHABU (IAF)	R - 172 / 16.0 D CTR	19 41 02.48 N	099 55 29.16 E
SAMIA	R - 217 / 22.0 D CTR	19 39 10.76 N	099 39 02.55 E
TANON (IAF)	R - 210 / 19.0 D CTR	19 40 17.64 N	099 43 07.49 E
TALAY (IF)	15.2 D ICTR	19 44 41.26 N	099 45 41.41 E
YONOK (SDF)	12.2 D ICTR	19 47 19.38 N	099 47 13.82 E
FAF	6.8 D ICTR	19 52 02.25 N	099 49 59.29 E
MAPt (LOC ONLY) @ THR RWY 03	1.8 D ICTR	19 56 25.74 N	099 52 33.60 E
LOC / DME	ICTR	19 57 59.50 N	099 53 28.50 E
VOR	CTR	19 56 55.90 N	099 52 59.31 E

INSTRUMENT APPROACH
CHART-ICAO
AERODROME ELEV 1280 FT
HEIGHTS RELATED TO
AERODROME ELEV

APP : 120.05, 257.80
TWR : 118.40, 236.60

CHIANG RAI/
MAE FAH LUANG-Chiang Rai Intl (VTCT)
RNAV (GNSS) RWY21



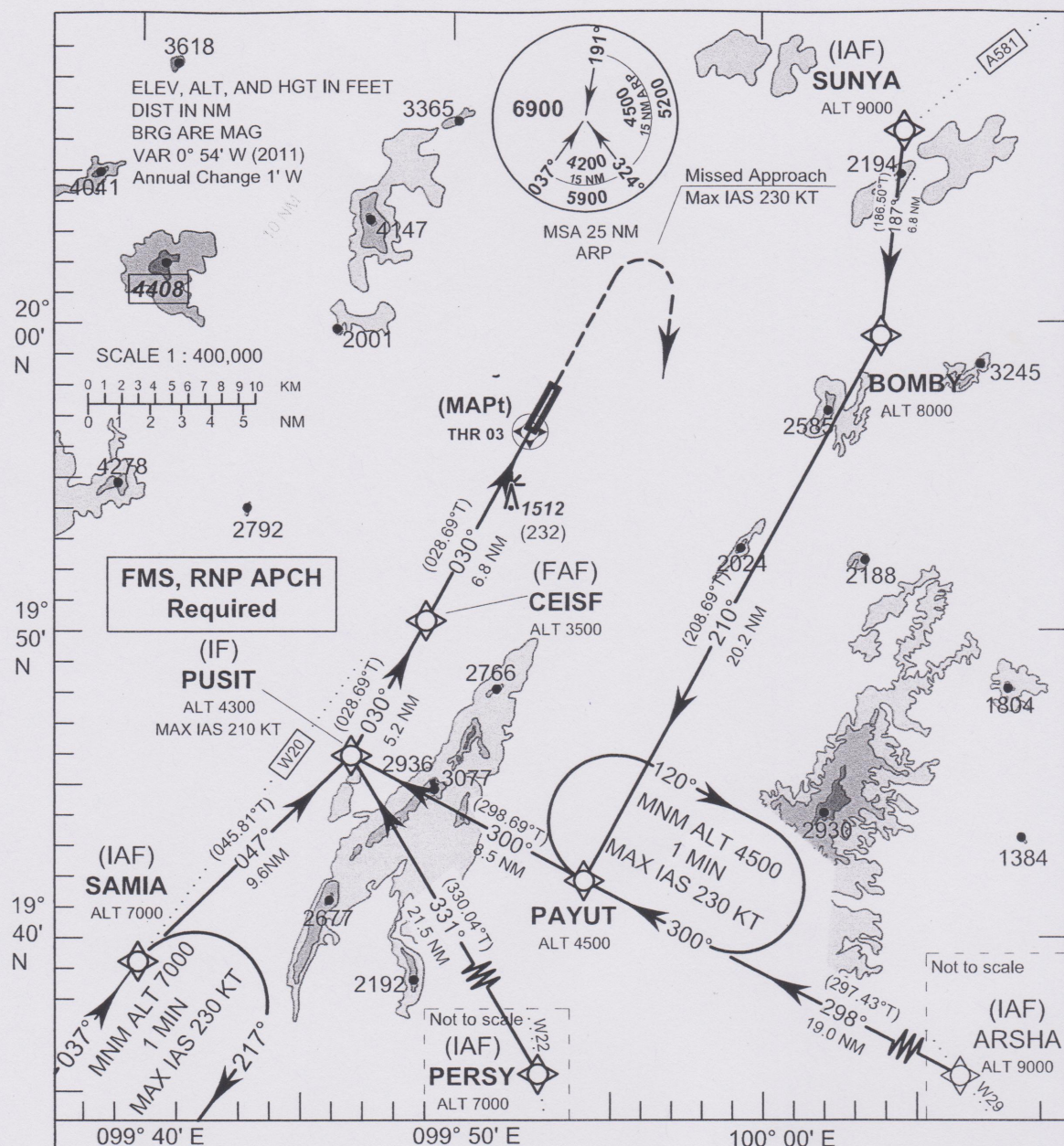
FEB 2015

CHIANG RAI/

INSTRUMENT AERODROME ELEV 1280 FT
APPROACH HEIGHTS RELATED TO
CHART-ICAO AERODROME ELEV

APP : 120.05, 257.80
TWR : 118.40, 236.60

CHIANG RAI/
MAE FAH LUANG-Chiang Rai Intl (VTCT)
RNAV (GNSS) RWY03



Missed Approach :
No Turn Before MAPt. Speed
restricted to MAX IAS 230 KT
until after turn.
Climb on track 030° to 2600 FT,
then turn right direct to **PAYUT**
at 4500 FT and hold or
as directed by ATC.

ELEV 1280 FT
(THR RWY 03)

OCA/H	A	B	C	D	Distance(THR 03)	FAF	6 NM	5 NM	4 NM	3 NM	2 NM	1.2 NM
LNAV	1720 (440)				Altitude (Height)	3500 (2220)	3260 (1980)	2940 (1660)	2620 (1340)	2295 (1015)	1975 (695)	1720 (440)
					Ground Speed (GS)	knot	70	90	100	120	140	160
Circling	1850 (570) 2470 (1190)				Rate of descent (5.3%)	(ft/min)	376	483	537	644	751	859

CHIANG RAI/

MAE FAH LUANG- Chiang Rai Intl (VTCT)

RNAV (GNSS) RWY03

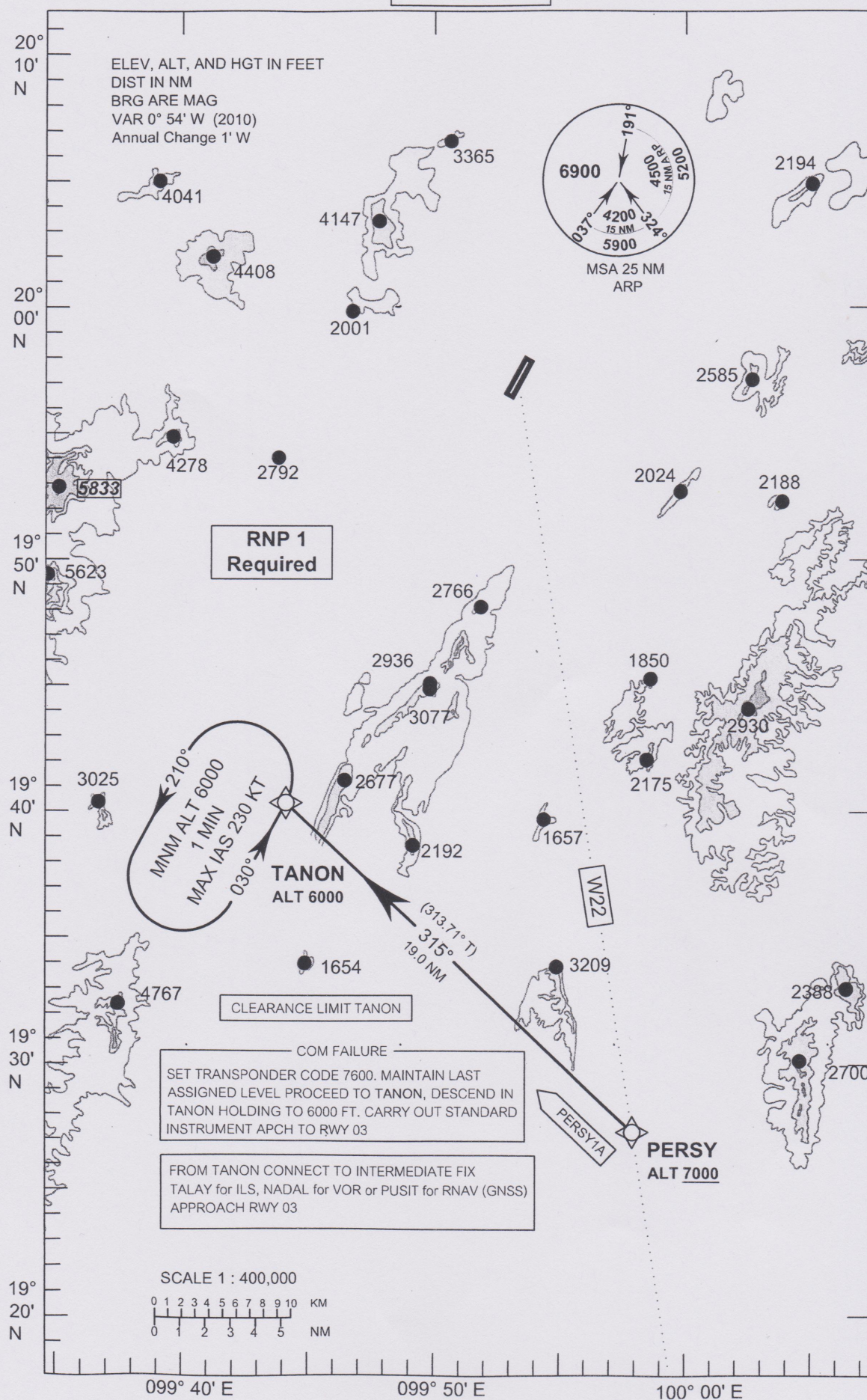
Serial Number	Path Descriptor	Waypoint Identifier	WGS-84 Coordinates		Flyover	Course ° M (° T)	Magnetic Variation	Distance (NM)	Turn Direction	Altitude (FT)	Speed (KT)	VPA/ TCH	Navigation Specification
			Latitude	Longitude									
001	IF	SUNYA (IAF)	20 06 10.80 N	100 05 33.89 E	-	187°(186.50°)	0.97	6.8	-	9000	-	-	RNP APCH
002	TF	BOMBY	19 59 27.10 N	100 04 42.36 E	-	210°(208.69°)	0.97	20.2	R	8000	-	-	RNP APCH
003	IF	ARSHA (IAF)	19 32 51.16 N	100 12 06.10 E	-	298°(297.43°)	0.97	19.0	-	9000	-	-	RNP APCH
004	TF	PAYUT	19 41 44.02 N	099 54 18.86 E	-	300°(298.69°)	0.97	8.5	R	4500	-	-	RNP APCH
005	IF	PERSY (IAF)	19 27 08.21 N	099 57 39.93 E	-	331°(330.04°)	0.97	21.5	-	7000	-	-	RNP APCH
006	IF	SAMIA (IAF)	19 39 10.76 N	099 39 02.55 E	-	047°(045.81°)	0.97	9.6	-	7000	-	-	RNP APCH
007	TF	PUSIT (IF)	19 45 53.28 N	099 46 23.50 E	-	030°(028.69°)	0.97	5.2	R,L	4300	210 KT	-	RNP APCH
008	TF	CEISF (FAF)	19 50 27.38 N	099 49 03.77 E	-	030°(028.69°)	0.97	6.8	-	3500	-	-	RNP APCH
009	-	MAPt (THR03)	19 56 25.74 N	099 52 33.60 E	Y	030°(028.69°)	0.97	-	-	1720	-	-	RNP APCH
010	CA	-	-	-	-	-	0.97	-	R	2600	230 KT	-	RNP APCH
011	DF	PAYUT	19 41 44.02 N	099 54 18.86 E	-	-	0.97	-	-	-	-	-	RNP APCH
012	HM	PAYUT	19 41 44.02 N	099 54 18.86 E	Y	300°(298.69°)	0.97	-	R	4500	230 KT	-	RNP APCH

**STANDARD ARRIVAL CHART -
INSTRUMENT (STAR) - ICAO**

APP : 120.05, 257.80
TWR : 118.40, 236.60

TRANSITION ALTITUDE
11000

CHIANG RAI/
MAE FAH LUANG-Chiang Rai Intl (VTCT)
RNAV RWY03
PERSY 1A



October 2015

INSTRUMENT (STAR) - ICAO

MAE FAH LUANG- Chaing Rai Intl (VTCT)

PERSY 1A

[illegible]

VTSP AD 2. AERODROMES

VTSP AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTSP - PHUKET / PHUKET INTERNATIONAL AIRPORT

VTSP AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	08 06 45 N 98 18 33 E Centre of runway 660 m from THR RWY 09
2	Direction and distance from (city)	32 km (NW)
3	Elevation/Reference temperature	25 m (82 ft) 33°C
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/Annual change	0° 29' W (2016) / 0° 1' E
6	AD Administration, address, telephone, telefax, telex, AFS	Phuket International Airport Airport of Thailand Public Company Limited Phuket 83111, Thailand Tel. 66-0-7632-7230-7 Fax. 66-0-7632-7478 AFS : VTSPYDYX
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Operator: Airports of Thailand Public Company Limited (AOT)

VTSP AD 2.3 OPERATIONAL HOURS

1	AD Administration	H24
2	Customs and immigration	H24
3	Health and sanitation	H24
4	AIS Briefing Office	H24
5	ATS Reporting Office (ARO)	H24
6	MET Briefing Office	H24
7	ATS	H24
8	Fuelling	H24
9	Handling	H24
10	Security	H24
11	De-icing	Nil
12	Remarks	AIS briefing office and ATS reporting office located at the 3 th floor in the domestic terminal building/the type of services via AFTN,internet www. arothai.co.th.

VTSP AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Thai Airways International Public Co.,Ltd.
2	Fuel/oil types	JET A-1, AVGAS 100LL
3	Fuelling facilities/capacity	Refuel Jet A-1 : Tank TTL 12,000,000 LTRS Jet A-1 : 1 Refueller@ 22,000 LTRS 1 Refueller @ 12,000 LTRS 7 Hydrant dispensers AVGAS 100LL : 1 Tank TTL 3,000 LTRS : 1 Trailer TTL 3,000 LTRS
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	In case of private flight, ground handling agent shall be provided a) THAI Airways International Public Co.,Ltd. Tel. +66 (0) 7635 1725, +66 (0) 8754 4447 b) BAGS Tel. +66 (0) 7635 1725, +66 (0) 8754 4447

VTSP AD 2.5 PASSENGER FACILITIES

1	Hotels	In the city
2	Restaurants	At AD and In the city
3	Transportation	Limousines and taxis
4	Medical facilities	First aid at AD and hospitals in the city
5	Bank and Post Office	At AD open within AD HR
6	Tourist Office	Office in the city Tel. 0-7622-2177 Fax. 0-7635-4139
7	Remarks	Nil

VTSP AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 9
2	Rescue equipment	Facility of Category 9 is provided
3	Capability for removal of disabled aircraft	Available – Up to B747
4	Remarks	Nil

VTSP AD 2.7 SEASONAL AVAILABILITY – CLEARING

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

VTSP AD 2.24 CHARTS RELATED TO AN AERODROME

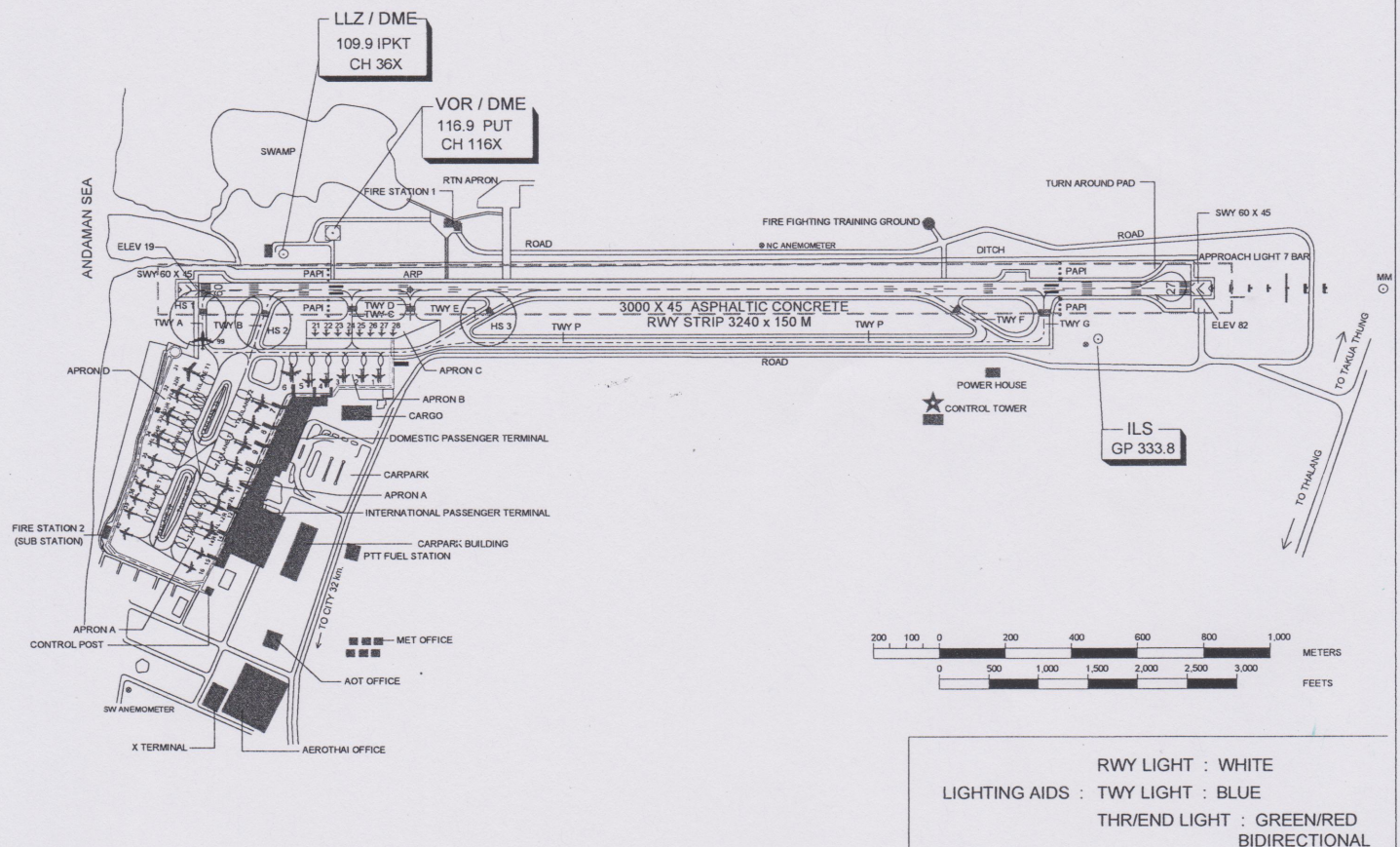
	Page
Aerodrome Chart- ICAO	VTSP AD 2-23
Aircraft Parking/Docking Chart - ICAO	VTSP AD 2-25
Aerodrome Ground Movement Chart - ICAO	VTSP AD 2-27
Aerodrome Obstacle Chart - ICAO - Type A - RWY 09/27	VTSP AD 2-29
Aerodrome Obstacle Chart – ICAO –Type B-RWY 09/27	VTSP AD 2-31
Standard Instrument Departure Chart – RWY 09	VTSP AD 2-33
Standard Instrument Departure Chart – RWY 27	VTSP AD 2-34
Standard Instrument Departure Chart – RWY 09/27	VTSP AD 2-35
Instrument Approach Chart - ICAO - RWY 09 – VOR Y	VTSP AD 2-37
Instrument Approach Chart - ICAO - RWY 27 – VOR Y	VTSP AD 2-38
Instrument Approach Chart - ICAO - RWY 09 – VOR Z	VTSP AD 2-39
Instrument Approach Chart - ICAO - RWY 27 – VOR Z	VTSP AD 2-40
Instrument Approach Chart - ICAO - RWY 27 – ILS/DME	VTSP AD 2-41
Instrument Approach Chart - ICAO - RNAV(GNSS) RWY 09	VTSP AD 2-43
Instrument Approach Chart - ICAO - RNAV(GNSS) RWY 27	VTSP AD 2-45
Standard Departure Chart - Instrument(SID) - ICAO - RNAV RWY 09	VTSP AD 2-47
Standard Departure Chart - Instrument(SID) - ICAO - RNAV RWY 27	VTSP AD 2-49
Standard Arrival Chart - Instrument(STAR) - ICAO - RNAV RWY 09	VTSP AD 2-51
Standard Arrival Chart - Instrument(STAR) - ICAO - RNAV RWY 27	VTSP AD 2-53

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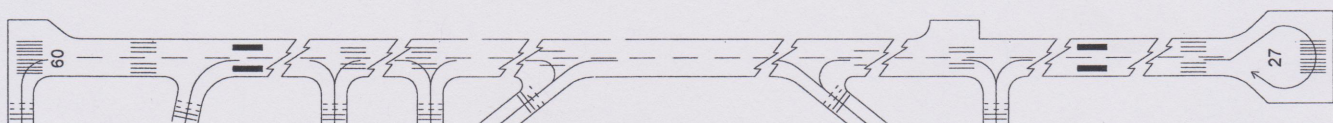
AERODROME CHART - ICAO 08 06 45 N 98 18 33 E ELEV 82 ft TWR 118.1 PHUKET / Phuket Intl

RWY	DIRECTION	THR	BEARING STRENGTH
09	85	08 06 43.05 N 98 18 11.90 E	PCN 59/F/C/W/T
27	265	08 06 52.23 N 98 19 49.46 E	
TAXIWAY A,B,E,F,G,P			PCN 78/R/C/X/T
TAXIWAY C,D,P			PCN 59/F/A/X/T
APRON A, B, C			PCN 78/R/C/X/T
TAXILANE T1, T2, T3, T4, T5, T6, T7			PCN 78/R/C/X/T

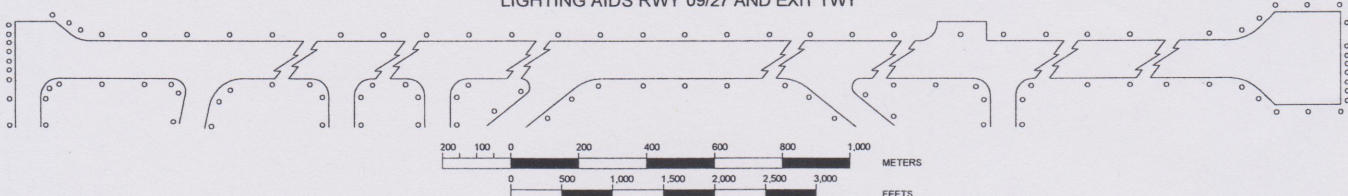
ELEVATIONS IN FEET AND DIMENSIONS IN METRES
BEARING ARE MAGNETIC



MARKING AIDS RWY 09/27 AND EXIT TWY



LIGHTING AIDS RWY 09/27 AND EXIT TWY

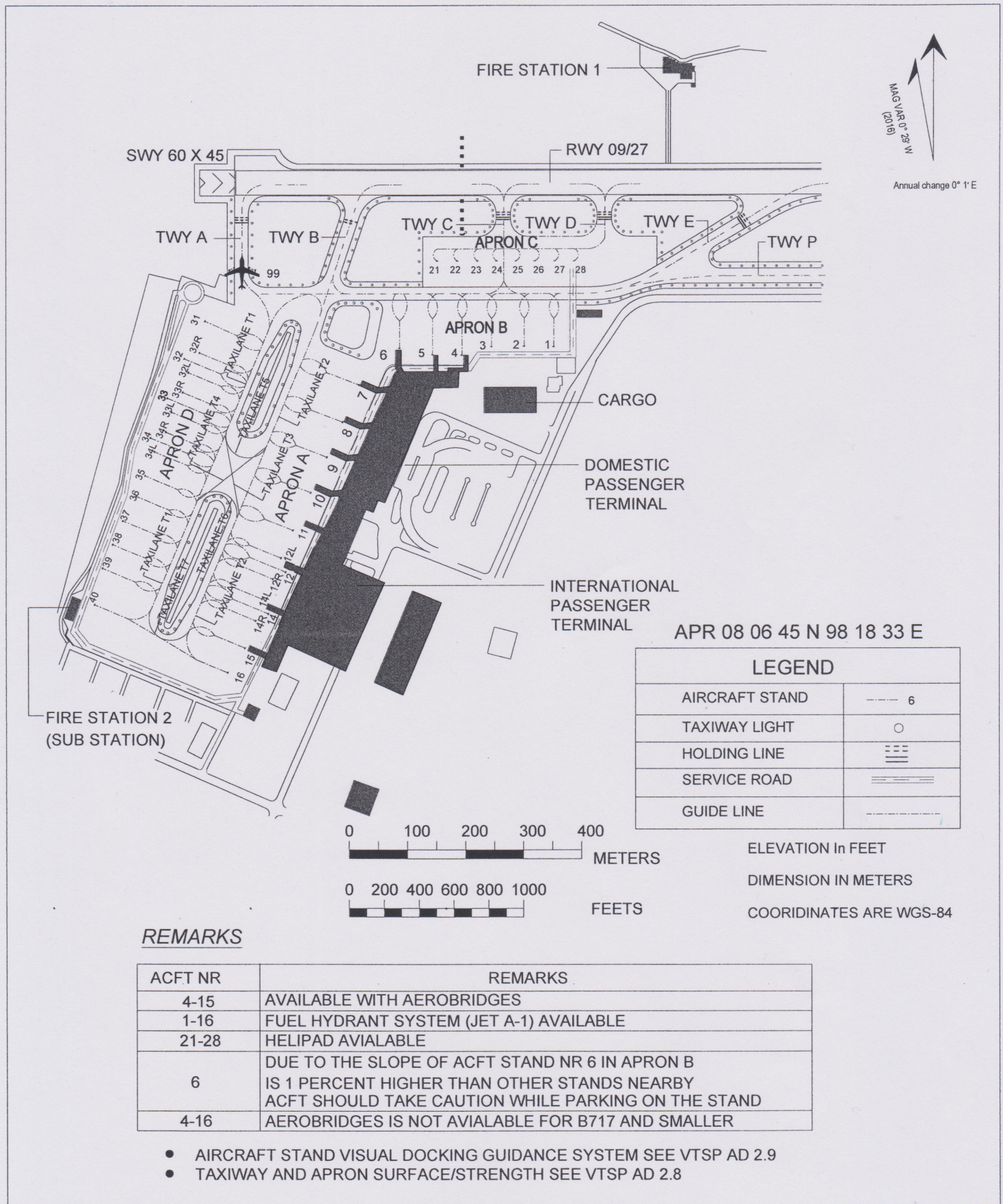


AIRCRAFT PARKING/
DOCKING CHART - ICAO

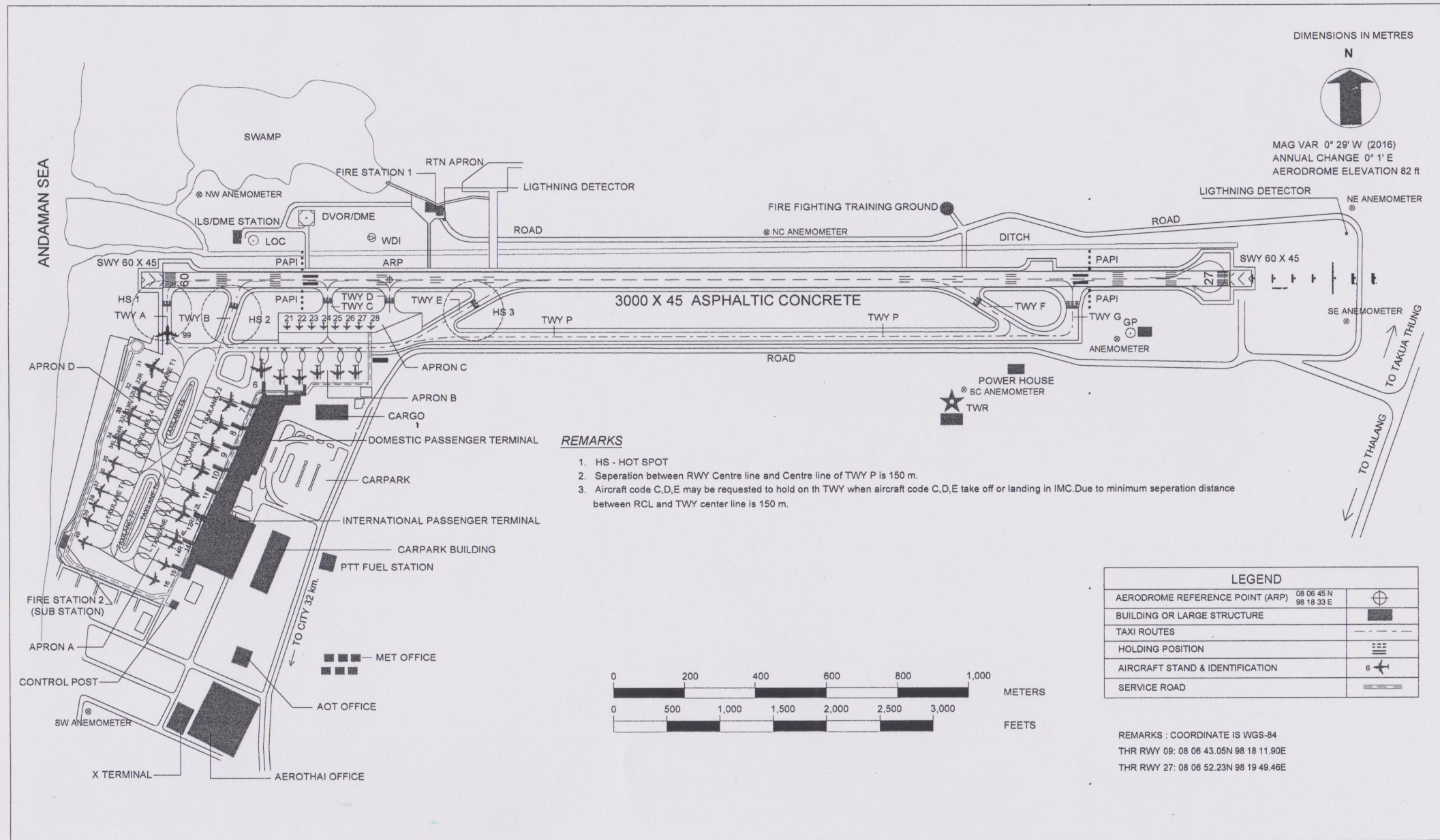
APRON A ELEV
17 ft

TWR 118.1
GND 121.9

PHUKET INTL



Phuket International Airport / Aerodrome Ground Movement Chart



VTBU AD 2. AERODROMES

VTBU AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTBU – RAYONG / U-TAPAO RAYONG PATTAYA INTERNATIONAL AIRPORT

VTBU AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	124046.6N1010017.7E Centre of the runway, 1752.5 M from THR RWY18
2	Direction and distance from (city)	34 km W of Rayong
3	Elevation/Reference temperature	18 m (59 ft) /34°C
4	Geoid undulation at AD ELEV PSN	Nil
5	MAG VAR/Annual change	0.55 ° W (2016) / 0.00°E
6	AD Administration, address, telephone, telefax, telex, AFS	Royal Thai Naval Air Division U-Tapao Rayong Pattaya International Airport Banchang Rayong 21130 TEL. (038) 245193, 245600 AFS: VTBUZTZX
7	Types of traffic permitted (IFR/VFR)	IFR/VFR
8	Remarks	Operator: Royal Thai Navy

VTBU AD 2.3 OPERATIONAL HOURS

1	AD Administration	H 24
2	Customs and immigration	H 24
3	Health and sanitation	H 24
4	AIS Briefing Office	H 24
5	ATS Reporting Office (ARO)	H 24
6	MET Briefing Office	H 24
7	ATS	H 24
8	Fuelling	H 24
9	Handling	H 24
10	Security	H 24
11	De-icing	-
12	Remarks	Nil

VTBU AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Handling weights up to 3 tons
2	Fuel/oil types	Jet A-1, AVGAS, JP-8
3	Fuelling facilities/capacity	1 JET A-1 Refueller @ 40,000 L 2 JET A-1 Refueller @ 12,000 L 1 Hydrant Dispenser for JET A-1 1 JET A-1 Refueller @ 45,000 L 1 JET A-1 Refueller @ 12,000 L 3 Hydrant Cart for JP-8 1 AVGAS DC Motor dispenser from drum 200 L
4	De-icing facilities	-
5	Hangar space for visiting aircraft	-
6	Repair facilities for visiting aircraft	-
7	Remarks	Nil

VTBU AD 2.5 PASSENGER FACILITIES

1	Hotels	5 KM from AD and in the city
2	Restaurants	In Pattaya city and Banchang
3	Transportation	Airport buses and limousines
4	Medical facilities	first aid station and queen Sirikit Hospital in the AD
5	Bank and Post Office	2 KM from AD
6	Tourist Office	In Pattaya city
7	Remarks	Nil

VTBU AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	24 HR: CAT 10
2	Rescue equipment	2 boats of 10 people, Rescue truck, Ambulance
3	Capability for removal of disabled aircraft	-
4	Remarks	Nil

VTBU AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

VTBU AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : Concrete Strength : Apron A. PCN 36 / R / B / X / U Apron B, C. PCN 33 / R / B / X / U
2	Taxiway width, surface and strength	Width : 52.5 M Surface : Concrete/Asphalt Strength : 48 / R / B / X / U
3	ACL location and elevation	Location at Apron Elevation 18 M (59 FT)
4	VOR/INS checkpoints	VOR: at TWY A, D
5	Remarks	Nil

VTBU 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, all RWY and TWY intersections and holding positions.
2	RWY and TWY markings and LGT	RWY: Designation, THR, TDZ, centre line, edge, LGT, runway, end as appropriate, marked. TWY: Centre line, holding positions at all TWY/RWY Intersections, marked.
3	Stop bars	-
4	Remarks	Nil

VTBU 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	
RWY 18 Left base	Hill 2.2 NM NNE, 896 ft. from VOR no marking/LGT				
High tension line distance 840 M. from RWY THR 18, elevation of the high tension line 18 M.					

VTBU AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Military Airport
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF Preparation Periods of validity	issue TAF on standard time 00,06,12,18 UTC observe METAR every half an hour observe SPECI off standard time
4	Type of landing forecast Interval of issuance	issue TAF on standard time 00,06,12,18 UTC observe METAR every half an hour observe SPECI off standard time
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	-
9	ATS units provided with information	-
10	Additional information (Limitation of service, etc.)	-

VTBU 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	
18	184°MAG	3505x60	59/F/B/X/T Asphaltic Concrete	124144.26N 1010022.66E	THR 18 M (59 FT)	
36	004°MAG	3505x60	59/F/B/X/T Asphaltic Concrete	123950.42N 1010013.26E	THR 7.6 M (24FT)	
Slope of RWY-SWY		SWY dimensions (m)	CWY dimension (m)	Strip dimensions (m)	OFZ	Remarks
7		8	9	10	11	12
0.3%		305x60	305x300	4235x300	-	-
-0.3%		305x60	305x300	4235x300	-	-

VTBU AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, CAT of ILS/ MLS(For VOR/ILS/ MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB	UP	414 kHz	H24	123943.02N1005941.96E	6 m / AGL	DVOR/DME restriction, due to mountainous terrain surround DVOR/DME station coverage check does not provide adequate signal 40 NM at required altitude in various areas. 1. 40 NM orbit flown from. - RDL 041-090 degree ALT should not below 3 500 ft. - RDL 091-110 degree ALT should not below 4 500 ft. - RDL 111-200 degree ALT should not below 2 000 ft. - RDL 201-240 degree ALT should not below 4 000 ft - RDL 321-040 degree ALT should not below 4 500 ft. 2. 25 NM orbit flown from - RDL 241-280 degree ALT should not below 2 500 ft. - RDL 281-320 degree ALT should not below 3 000 ft.
DVOR/DME	BUT	110.8 MHz CH 45X		124000.02N1010001.71E		
ILS CAT I LOC/DME RWY 18	IBUT	111.1 MHz CH 48X		123936.66N1010012.13E	5 m / AGL	
GP		331.7 MHz		124130.31N1010025.52E		
MM		75 MHz		1242.1N10100.0E		
Compass Locator	UT	234 kHz		1242.1N10100.0E		A. The Cat I ILS/DME installed at U-Tapao Rayong Pattaya International Airport for RWY18. There is no back course. The localize aerial array is located on the extended runway centre line at distance of 420 m (1377.9 ft) from the threshold of RWY 36. The antenna array 1.30 m (4.3 ft) high is installed on top of wooden platform 3.6 m (11.8 ft) high above ground, with an aperture of 40.3 m (132.2 ft). B. DME paired with LOC. frequency omnidirectional, low power (100 watts).

VTBU AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, CAT of ILS/ MLS(For VOR/ILS/ MLS, give VAR)	ID	Fre- quency	Hours of opera- tion	Site of transmitting antenna coordinates	Elevation of DME trans- mitting antenna	Remarks
1	2	3	4	5	6	7
TACAN	BUT	CH 105	2300- 1100	1240.5N10100.4E		C. Glide Path 3° above the horizontal, paired with localizer frequency. The 15 m (49.2 ft) glide path aerial mast is offset 120 m (393.7 ft) to the east side of runway centre line and from threshold of RWY18, 371 M (1217 ft). D. Middle Marker 1050 m (3445 ft) from threshold of RWY18 along extended runway centre line. Military Facilities 30 min PN to ATC.

VTPH AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation.	ABN: At Tower Building, FLG W EV 7 SEC
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 AD. Switch-over time 12 SEC.
5	Remarks	Nil

VTPH AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	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

VTPH AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	A circle of 5 NM radius centred on HHN DVOR/DME (123804.04N 995704.23E). Excluding VTR 3.
2	Vertical limits	2 000 ft/AGL
3	Airspace classification	D
4	ATS unit call sign Language (S)	Hua Hin Tower En, Thai
5	Transition altitude	11 000 ft
6	Remarks	Nil

VTPH AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
APP	Hua Hin Approach	*126.2 MHz	2300-1100	*Other this period 3 HR PN To ATC
TWR	Hua Hin Tower	*122.7 MHz 236.6 MHz		
GND	Hua Hin Ground	*121.9 MHz		
ATIS		126.8 MHz		

VTPH 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	HN	213 kHz	} H24	123835.6N 995658.1E		NDB: Coverage restriction Between 350° to 190° counter clockwise Unusable beyond 30 NM.
DVOR/DME	HHN	113.3 MHz CH80X		123804.04N 995704.23E		DVOR/DME restriction Due to terrain surround DVOR / DME station coverage check does not Provide adequate signal 40 NM at required altitude in various areas: 1.40 NM clockwise orbit flow from: - RDL 001- 070 DEG ALT should not below 4000 ft (found roughness in tolerance, obstruction by condominium). - RDL 071-170 DEG ALT should not below 2000 ft. - RDL 171-220 DEG ALT should not below 5000 ft. - RDL 301-360 DEG ALT should not below 5500 ft. 2.30 NM clockwise orbit flow from: - RDL 221-300 DEG ALT should not below 8000 ft. (due to border limited).

VTBW AD 2. AERODROMES

VTBW AD 2.1 AERODROME LOCATION INDICATOR AND NAME

VTBW – SA KAEOWATTHANA NAKHON AIRPORT

VTBW AD 2.2 AERODROME GEOGRAPHICAL AND ADMINISTRATIVE DATA

1	ARP coordinates and site at AD	Lat 134600N Long 1021900E
2	Direction and distance from (city)	9 KM SE of Watthana Nakhon District
3	Elevation/Reference temperature	200 FT/35 °C
4	MAG VAR/Annual change	0° 36' w(2016)/0.4' w
5	AD Administration, address, telephone, telefax, telex, AFS	Squadron 206, Watthana Nakhon Air Force Base Sakaeo Province Tel: 0-3726-1497 Ext. 42908 Fax: 0-2534-6000 Ext. 42907 AFS: VTBWYXYX
6	Types of traffic permitted (IFR/VFR)	VFR
7	Remarks	Operator : Royal Thai Air Force

VTBW AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300 -1100 every day
2	Customs and immigration	Nil
3	Health and sanitation	Nil
4	AIS Briefing Office	0100 - 0900 every day
5	ATS Reporting Office (ARO)	Nil
6	MET Briefing Office	2300 - 1100 every day
7	ATS	2300 - 1100 every day
8	Fuelling	0100 - 0900 MON-FRI
9	Handling	0100 - 0900 MON-FRI
10	Security	H24
11	De-icing	Nil
12	Remarks	Outside these HR services are available O/R. Request to be submitted to TWR not later than 0900 UTC.

VTBW AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/oil types	JP8, Octane 100/130
3	Fuelling facilities/capacity	1 Truck 6 000 litres,
4	De-icing facilities	Nil
5	Hangar space for visiting aircraft	Nil
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

VTBW AD 2.5 PASSENGER FACILITIES

1	Hotels	Near the AD and in the city
2	Restaurants	In the city
3	Transportation	Car hire from and to the city
4	Medical facilities	First aid at Aerodrome. Hospital in the city
5	Bank and Post Office	In the city
6	Tourist Office	Office in the city
7	Remarks	Nil

VTBW AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	Category 2
2	Rescue equipment	Yes
3	Capability for removal of disabled aircraft	Nil
4	Remarks	Fire fighting Service H24

VTBW AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

VTBW AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS DATA

1	Apron surface and strength	Surface : Asphalt Strength :
2	Taxiway width, surface and strength	Width : TWY A 75 ft, TWY B 75 ft , TWY C 75 ft, TWY D 75 ft Surface : Asphalt Strength : -
3	ACL location and elevation	Location : At apron Elevation: 60.96 m (200 ft)
4	VOR/INS checkpoints	Nil
5	Remarks	Nil

**VTBW 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	Taxiing guidance signs at all intersections with TWY and RWY and at all holding position. Parking follows the signalman.
2	RWY and TWY markings and LGT	RWY and TWY: marked and lighted
3	Stop bars	Nil
4	Remarks	Nil

VTBW 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	
-	-	-	-	-	

VTBW AD 2.11 METEOROLOGICAL INFORMATION PROVIDED

1	Associated MET Office	Met Section, Squadron 206, Watthana Nakhon Air Force Base
2	Hours of service MET Office outside hours	H24
3	Office responsible for TAF Preparation Periods of validity	-
4	Type of landing forecast Interval of issuance	TEMPO
5	Briefing/consultation provided	Personal Consultation
6	Flight documentation Language (s) used	Charts, plain language text. Thai
7	Charts and other information available for briefing or consultation	Synoptic chart, wind aloft chart, FATHAI AD forecast, RADAR NETWORK
8	Supplementary equipment available for providing information	Tel.42909
9	ATS units provided with information	WATTHANA NAKHON TWR
10	Additional information (Limitation of service, etc.)	Nil

VTBW 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
05		1 500 X 31	Asphalt		
23		1 500 X 31	Asphalt		
Slope of RWY - SWY		SWY dimensions (m)	CWY dimension (m)	Strip dimensions (m)	OFZ
7		8	9	10	11
-		300 X 31	-	-	-
					Remarks
					12
					Nil

VTBW AD 2.13 DECLARED DISTANCES

RWY Designator	TORA (m)	TODA (m)	ASDA (m)	LDA (m)	Remarks
1	2	3	4	5	6
05	1500	1500	1800	1500	Nil
23	1500	1500	1800	1500	Nil

VTBW 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
05	-	Green	PAPI Left/3 Right/3 White, LIH	-	-	1000 m 50 m	RED	-	NIL
23	-	Green	PAPI Left/3 Right/3 White, LIH	-	-	1000 m 50 m	RED	-	NIL

VTBW AD 2.15 OTHER LIGHTING, SECONDARY POWER SUPPLY

1	ABN/IBN location, characteristics and hours of operation.	ABN: At tower building
2	LDI location and LGT Anemometer location and LGT.	Nil
3	TWY edge and centre line lighting	EDGE: All TWY A,B,C,D Centre line: All TWY A,B,C,D
4	Secondary power supply/switch-over time	Nil
5	Remarks	Nil

VTBW AD 2.16 HELICOPTER LANDING AREA

1	Coordinates TLOF or THR of FATO	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	Helicopter LDG/TKOF by using runways.

VTBW AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	A circle of 10 NM radius centred on 134600N 1021900E
2	Vertical limits	5500 FT/AGL
3	Airspace classification	D
4	ATS unit call sign Language (S)	Watthana Nakhon Tower En, Thai
5	Transition altitude	11 000 ft
6	Remarks	Nil

VTBW AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Frequency	Hours of operation	Remarks
1	2	3	4	5
TWR	Watthana Nakhon TWR	VHF118.1 MHz UHF236.6 MHz *121.5 MHz *243.0 MHz	2300 - 1100	Primary operation * Emergency Freq.

VTBW AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, CAT of ILS/MLS(For VOR/ILS/MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB	WN	270 KHz	2300 - 1100	Lat 134603N Long 1021990E	18m	Nil

VTBW AD 2.20 LOCAL AERODROME REGULATIONS

NIL

VTBW AD 2.21 NOISE ABATEMENT PROCEDURES

NIL

VTBW AD 2.22 FLIGHT PROCEDURES

NIL

VTBW AD 2.23 ADDITIONAL INFORMATION

NIL

VTBW AD 2.24 CHARTS RELATED TO AN AERODROME

Not applicable

VTSM AD 2. AERODROMES

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	093257N 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) / 33°C
4	MAG VAR/Annual change	0° 30' W(2011) / 0° 1' W / year
5	AD Administration, address, telephone, telefax, telex, AFS	Director of Samui Airport Samui Airport Amphoe Ko.Samui, Surat Thani Province 84140 Thailand Tel. (077) 428581 FAX. (077) 245611 AFS: VTSMYDYX
6	Types of traffic permitted (IFR/VFR)	IFR/VFR
7	Remarks	Operator : Bangkok Airways Public Company Limited

VTSM AD 2.3 OPERATIONAL HOURS

1	AD Administration	2300-1500 After this period 1 HR PN to ATC
2	Customs and immigration	2300-1500
3	Health and sanitation	-
4	AIS Briefing Office	-
5	ATS Reporting Office (ARO)	2300-1500
6	MET Briefing Office	-
7	ATS	2300-1500
8	Fuelling	2300-1500
9	Handling	2300-1500
10	Security	H 24

VTSM AD 2.4 HANDLING SERVICES AND FACILITIES

1	Cargo-handling facilities	Nil
2	Fuel/oil types	JET A1
3	Fuelling facilities/capacity	Refueller @ 12,000 L
4	De-icing facilities	-
5	Hangar space for visiting aircraft	-
6	Repair facilities for visiting aircraft	Nil
7	Remarks	Nil

VTSM AD 2.5 PASSENGER FACILITIES

1	Hotels	In the vicinity of AD
2	Restaurants	At AD
3	Transportation	Limousine
4	Medical facilities	First aid at AD
5	Bank and Post Office	Money Exchange: Available Post Office: Open from 0100-1000
6	Tourist Office	Open 0100-1300
7	Remarks	Nil

VTSM AD 2.6 RESCUE AND FIRE FIGHTING SERVICES

1	AD category for fire fighting	CAT 6
2	Rescue equipment	Available at fire fighting trucks
3	Capability for removal of disabled aircraft	A-319
4	Remarks	Nil

VTSM AD 2.7 SEASONAL AVAILABILITY-CLEARING

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

VTSM AD 2.8 APRONS, TAXIWAYS AND CHECK LOCATIONS 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 and D Width: 30 M Surface: Concrete Strength: PCN 42/R/D/X/T
3	VOR/INS checkpoints	-
4	Remarks	-

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	Marked
4	Remarks	When parking, aircraft type C not permitted to be passed at the rear by the same type of aircraft