
GEN 3.4 COMMUNICATION SERVICES

3.4.1 Responsible services

The responsible service for the provision of telecommunication and navigation facility services in Thailand is Aeronautical Radio of Thailand Limited.

Aeronautical Radio of Thailand Limited
102 Ngamdu-plee, Tung Mahamek
Bangkok 10120
Thailand
Telephone number: 66(0) 2287 3531-41
Telefax number: 66(0) 2287 3131
Telex number: Nil
AFS address: VTBBYTYX

The service is provided in accordance with the provisions contained in the following ICAO documents:

Annex 10	- Aeronautical Telecommunications
Doc 8400	- Procedures for Air Navigation Services
	- ICAO Abbreviations and Codes (PANS-ABC)
Doc 8585	- Designators for Aircraft Operating Agencies, Aeronautical Authorities and Services
Doc 7030	- Regional Supplementary Procedures
Doc 7910	- Location Indicators

3.4.2 Area of responsibility

The Aeronautical Radio of Thailand Limited is responsible for the aeronautical telecommunication services operated in the Kingdom of Thailand purely for civil air transport. These services comprise the Aeronautical Fixed Service (point to point communications), the Aeronautical Mobile Service (air-ground communications), and the Aeronautical Radio Navigation owned and operated by the Airports of Thailand Public Company Limited but available to civil air transport, e.g. at Bangkok/Don Mueang International Airport. The Aeronautical Radio of Thailand Limited (Aerothai) provides, operates and maintains the services and facilities for international air traffic within Bangkok FIR.

Enquiries, suggestions or complaints regarding any civil telecommunication service should be referred to the Director – General, Department of Civil Aviation, Bangkok and regarding any telecommunication facility or service at Bangkok/ Don Mueang International Airport, to the Managing Director, Airports of Thailand Public Company Limited.

3.4.3 Types of services

3.4.3.1 Radio Navigation Service

The following types of radio aids for air navigation are available;

LF/MF Non-directional Beacon (NDB);
VHF Omni-directional Radio Range (VOR);
VHF Omni-directional Radio Range and Distance Measuring Equipment (VOR/DME);
Instrument Landing System (ILS); and
Primary and Secondary Surveillance Radar.

3.4.3.2 Mobile/fixed service

- Mobile service

The aeronautical stations maintain a continuous watch on their stated frequencies during the published hours of service unless otherwise notified. An aircraft should normally communicate with the air-ground control station which exercises control in the area in which it is flying. Aircraft should maintain continuous watch on the appropriate frequency of the control station and should not abandon watch, except in an emergency, without informing the control radio station. The language used in air-ground communications with foreign aircraft is English.

- Fixed Service

Messages to be transmitted over the Aeronautical Fixed Service are accepted only if:

- (a) they satisfy the requirements of Annex 10 Volume II Chapter 3 paragraph 3.3;
- (b) they are prepared in the form specified in Annex 10 Volume II; and
- (c) the text of an individual message does not exceed 1800 characters in length and AFTN message entered by the AFTN origin station shall not exceed 2100 characters in length.

General Aircraft Operating Agency messages are only accepted for transmission to countries which have agreed to accept Class "B" traffic. Charges for Class "B" traffic are published in GEN 4.2-3.

3.4.3.3 Broadcasting Service

Sub-area Meteorological Broadcasts (VOLMET Radiotelephony Broadcasts) are available for the use of aircraft in flight. Full details are given in GEN 3.5-4.

3.4.3.4 Aeronautical Fixed Services

The details of information on Aeronautical Fixed Services are given in GEN 3.4-3 to 3.4-9.

3.4.3.5 Language Used

English.

AERONAUTICAL FIXED SERVICES

AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*											
STATION			CORESPONDENT			NUMBER AND TYPE OF CHANNELS	TYPE OF LINK		TYPE OF NETWORK	HOURS (UTC)	REMARKS
Name	Location Indicator	Call Sign	Name	Call Sign	Link		Link				
1		3	4	5	6	7	8	9	10	11	
Bangkok ACC			Ho Chi Minh ACC Kuala Lumpur ACC Phnom Penh APP Vientiane FIC Yangon ACC Bangkok APP/ TWR	Ho Chi Minh Kuala Lumpur Phnom Penh APP Vientiane Yangon Bangkok APP/ TWR	Satellite Satellite Satellite Satellite Satellite Line	Fiber Optic Fiber Optic	Fiber Optic	ATS ATS ATS ATS ATS ATS	H24 H24 H24 H24 H24 H24		
			Hua Hin APP Chiang Mai Sector Chiang Rai Sector Hat Yai Sector Khon Kaen Sector Phitsanulok Sector Phuket Sector Ubon sector Ubon sector Kamphaeng Saen APP	Hua Hin APP Chiang Mai Sector Chiang Rai Sector Hat Yai Sector Khon Kaen Sector Phitsanulok Sector Phuket Sector Ubon Sector Ubon Sector Kamphaeng Saen APP	Satellite Satellite Line Satellite Line Satellite Satellite Line Line Line	Cable Cable Cable Cable Cable Cable M / W M / W M / W M / W	Cable Cable Cable Cable Cable Cable M / W M / W M / W M / W	ATS ATS ATS ATS ATS ATS ATS ATS ATS ATS	2300-1100 H24 2330-1430 H24 2330-1430 H24 2330-1430 H24 2330-1430 H24		
			Khorat APP Takhli APP U-Tapao APP	Khorat APP Takhli APP U-Tapao APP	Line Line Line	M / W M / W M / W	M / W M / W M / W	ATS ATS ATS	H24 H24 H24		

AERONAUTICAL FIXED SERVICES

AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*											
STATION			CORRESPONDENT			NUMBER AND TYPE OF CHANNELS	TYPE OF LINK		TYPE OF NETWORK	HOURS (UTC)	REMARKS
Name	Location Indicator	Call Sign	Name	Call Sign	Link		Link				
1	2	3	4	5	6	7	8	9	10	11	
BANGKOK Approach Control Centre (Chiang Rai Sector)			Chiang Rai TWR	Chiang Rai TWR	Satellite			ATS	2300-1430		
			Phetchabun TWR	Phetchabun TWR	Satellite			ATS	2300-1100		
			Phrae TWR	Phrae TWR	Satellite			ATS	2300-1100		
			Nan TWR	Nan TWR	Satellite			ATS	2300-1100		
			khon Kaen TWR	khon Kaen TWR	Satellite			ATS	2300-1430		
BANGKOK Approach Control Centre (Khon Kaen Sector)			Loei TWR	Loei TWR	Satellite			ATS	2300-1100		
			Nakhon Phanom TWR	Nakhon Phanom TWR	Satellite			ATS	2300-1100		
			Udon TWR	Udon TWR	Satellite			ATS	2300-1100		
			Chumphon TWR	Chumphon TWR	Satellite			ATS	2300-1430		
			Nakhon Si Thammarat TWR	Nakhon Si Thammarat TWR	Satellite			ATS	2300-1100		
BANGKOK Approach Control Centre (Samui Sector)			Samui TWR	Samui TWR	Satellite			ATS	2300-1100		
			Surat Thai TWR	Surat Thai TWR	Satellite			ATS	2300-1430		
			Trat TWR	Trat TWR	Satellite			ATS	H24		
			Buri Ram TWR	Buri Ram TWR	Satellite			ATS	2300-1100		
			Roi Et TWR	Roi Et TWR	Satellite			ATS	2300-1100		
BANGKOK Approach Control Centre (Ubon Sector)			Surin TWR	Surin TWR	Satellite			ATS	2300-1100		
			Nakhon Ratchasima TWR	Nakhon Ratchasima TWR	Satellite			ATS	2300-1100		
			Ubon TWR	Ubon TWR	Satellite			ATS	H24		

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AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*											
STATION			CORRESPONDENT			NUMBER AND TYPE OF CHANNELS	TYPE OF LINK		TYPE OF NETWORK	HOURS (UTC)	REMARKS
Name	Location Indicator	Call Sign	Name	Call Sign	Link		Link				
11	2	3	4	5	6	7	8	9	10	11	
Chiang Mai Approach Control Centre (Chiang Mai Sector)			Lampang TWR	Lampang TWR	Satellite			ATS	2300-1100		
			Mae Hong Son TWR	Mae Hong Son TWR	Satellite			ATS	2300-1100		
			Mae Sot TWR	Mae Sot TWR	Satellite			ATS	2300-1100		
Hat Yai Approach Control Centre (Hat Yai Sector)			Pattani TWR	Pattani TWR	Satellite			ATS	*	*Available on request 3 HRS	
			Narathiwat TWR	Narathiwat TWR	Satellite			ATS	2300-1100		
			Trang TWR	Trang TWR	Satellite			ATS	2300-1100		
Phitsanulok Approach Control Centre (Phitsanulok Sector)			Sukhothai TWR	Sukhothai TWR	Satellite			ATS	2300-1100		
			Tak TWR	Tak TWR	Satellite			ATS	*	*Available on request 3 HRS	
Phuket Approach Control Centre (Phuket Sector)			Krabi TWR	Krabi TWR	Satellite			ATS	2300-1100		
			Ranong TWR	Ranong TWR	Satellite			ATS	2300-1100		

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AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*												
STATION			CORESPONDENT		NUMBER AND TYPE OF CHANNELS	TYPE OF LINK		TYPE OF NETWORK	HOURS (UTC)	REMARKS		
Name	Location Indicator	Call Sign	Name	Call Sign		Link	Link					
1	2	3	4	5	6	7	8	9	10	11		
BANGKOK	VTBB		Mumbai		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Hong Kong		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Yangon		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Kuala Lumpur		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Vientiane		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24	International Circuits		
			Singapore		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24	Aerothai		
			Dhaka		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Ho Chi Minh		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Phnom Penh		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Rome		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			
			Beijing		LTT DX	Sub Marine Cable	Sub Marine Cable	AFTN	H24			

AERONAUTICAL FIXED SERVICES

AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*										
Name	STATION		CORESPONDENT		NUMBER AND TYPE OF CHANNELS	TYPE OF LINK		TYPE OF NETWORK	HOURS (UTC)	REMARKS
	Location Indicator	Call Sign	Name	Call Sign		Link	Link			
1	2	3	4	5	6	7	8	9	10	11
BANGKOK	VTBB		Chiang Mai		LTT DX	Satellite	Satellite	ATN	H24	
			Hat Yai		LTT DX	Satellite	Satellite	ATN	H24	
			Phuket		LTT DX	Satellite	Satellite	ATN	H24	
			Lampang		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Phitsanulok		LTT DX	Satellite	Satellite	ATN	2300-1100	Domestic Circuits
			Surat Thani		LTT DX	Satellite	Satellite	ATN	H24	
			Ubon Ratchathani		LTT DX	Satellite	Satellite	ATN	2300-1430	Aerothai
			Nakhon Ratchasima		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Chiang Rai		LTT DX	Satellite	Satellite	ATN	2300-1430	
			Mae Hong Son		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Nan		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Phare		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Nakhon Si Thammarat		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Narathiwat		LTT DX	Satellite	Satellite	ATN	2300-1100	

AERONAUTICAL FIXED SERVICES

AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*												
Name	STATION		CORESPONDENT		NUMBER AND TYPE OF CHANNELS	TYPE OF LIND		TYPE OF NETWORK	HOURS (UTC)	REMARKS		
	Location Indicator	Call Sign	Name	Call Sign		Link	Link					
1	2	3	4	5	6	7	8	9	10	11		
BANGKOK	VTBB		Ranong		LTT DX	Satellite	Satellite	ATN	2300-1100			
			Trang		LTT DX	Satellite	Satellite	ATN	2300-1100			
			Mae Sot		LTT DX	Satellite	Satellite	ATN	2300-1100			
			Hua Hin		LTT DX	Satellite	Satellite	ATN	2300-1100			
			Khon Kaen		LTT DX	Satellite	Satellite	ATN	2300-1100			
			Sakhon Nakhon		LTT DX	Satellite	Satellite	ATN	2300-1100			
			Udon Thani		LTT DX	Satellite	Satellite	ATN	2300-1100			
			U-Tapao		LTT DX	Leased Line	Leased Line	ATN	H24			
			Sukhothai		LTT DX	Satellite	Satellite	ATN	2330-1100			
			Samui		LTT DX	Satellite	Satellite	ATN	2330-1430			
			Sapran Nak		LTT DX	Leased Line	Leased Line	ATN	000-1000			
			Kamphaeng Saen		LTT DX	Satellite	Satellite	ATN	0000-0900			
			Nakhon Sawan		LTT DX	Satellite	Satellite	ATN	0000-1000			
			Krabi		LTT DX	Satellite	Satellite	ATN	0100-1300			
			Phetchabun		LTT DX	Satellite	Satellite	ATN	2300-1100			

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AERONAUTICAL FIXED SERVICES - INTERNATIONAL AND DOMESTIC CIRCUIT*										
STATION		CORESPONDENT			NUMBER AND TYPE OF CHANNELS	TYPE OF LIND		TYPE OF NETWORK	HOURS (UTC)	REMARKS
Name	Location Indicator	Call Sign	Name	Call Sign		Link	Link			
1		3	4	5	6	7	8	9	10	11
BANGKOK	VTBB		Roi Et		LTT DX	Satellite	Satellite	ATN	2300-1100	
			Trat		LTT DX	Satellite	Satellite	ATN	2300-1100	

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