

GEN 3.4 COMMUNICATION SERVICES

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.

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Bangkok 10120

Thailand

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AFS: VTBBYTYX

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

| | |
|----------|--|
| Annex 10 | - Aeronautical Telecommunications |
| Doc 8400 | - 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 |

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, The Civil Aviation Authority of Thailand, 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. **Types of services**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.

3.2 **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:

- they satisfy the requirements of Annex 10 Volume II Chapter 3 paragraph 3.3;
- they are prepared in the form specified in Annex 10 Volume II; and
- 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 Broadcasting Service

Sub-area Meteorological Broadcasts (VOLMET Radiotelephony Broadcasts) are available for the use of aircraft in flight. Full details are given in GEN 3.5-3.

3.4 Aeronautical Fixed Services

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

3.5 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 | Ho Chi Minh | Satellite | | | ATS | H24 | | | |
| | | | Kuala Lumpur ACC | Kuala Lumpur | Satellite | | | ATS | H24 | | | |
| | | | Phnom Penh APP | Phnom Penh APP | Satellite | | | ATS | H24 | | | |
| | | | Vientiane FIC | Vientiane | Satellite | | | ATS | H24 | | | |
| | | | Yangon ACC | Yangon | Satellite | | | ATS | H24 | | | |
| | | | Bangkok APP/TWR | Bangkok APP/TWR | Line | Fiber Optic | Fiber Optic | ATS | H24 | | | |
| | | | Hua Hin APP | Hua Hin APP | Satellite | | | ATS | 2300-1100 | | | |
| | | | Chiang Mai Sector | Chiang Mai Sector | Satellite | | | ATS | H24 | | | |
| | | | Chiang Rai Sector | Chiang Rai Sector | Line | Cable | Cable | ATS | 2330-1430 | | | |
| | | | Hat Yai Sector | Hat Yai Sector | Satellite | | | ATS | H24 | | | |
| | | | Khon Kaen Sector | Khon Kaen Sector | Line | Cable | Cable | ATS | 2330-1430 | | | |
| | | | Phitsanulok Sector | Phitsanulok Sector | Satellite | | | ATS | H24 | | | |
| | | | Phuket Sector | Phuket Sector | Satellite | | | ATS | H24 | | | |
| | | | Ubon sector | Ubon Sector | Line | Cable | Cable | ATS | 2330-1430 | | | |
| | | | Ubon sector | Ubon Sector | Line | Cable | Cable | ATS | 2330-1430 | | | |
| | | | Kamphaeng Saen APP | Kamphaeng Saen APP | Line | M / W | M / W | ATS | H24 | | | |
| | | | Khorat APP | Khorat APP | Line | M / W | M / W | ATS | H24 | | | |
| | | | Takhli APP | Takhli APP | Line | M / W | M / W | ATS | H24 | | | |
| | | | U-Tapao APP | U-Tapao APP | Line | M / W | M / W | ATS | H24 | | | |

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|---|--------------------|-----------|-------------------------|-------------------------|-----------|-----------------------------|--------------|-----|-----------------|-------------|-----------|--|
| 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 Approach Control Centre (Chiang Rai Sector) | | | Chiang Rai TWR | Chiang Rai TWR | Satellite | | | ATS | 2300-1430 | | | |
| | | | Petchabun TWR | Petchabun 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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|---|--------------------|-----------|--|--|-------------------------------------|-----------------------------|--------------|-------------------|-------------------------------------|--------------------------------|---------|
| 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 | | | | |
| 11 | | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| Chiang Mai Approach Control Centre (Chiang Mai Sector) | | | Lampang TWR Mae Hong Son TWR Mae Sot TWR | Lampang TWR Mae Hong Son TWR Mae Sot TWR | Satellite Satellite Satellite | | | ATS ATS ATS | 2300-1100 2300-1100 2300-1100 | | |
| Hat Yai Approach Control Centre (Hat Yai Sector) | | | Pattani TWR Narathiwat TWR Trang TWR | Pattani TWR Narathiwat TWR Trang TWR | Satellite Satellite Satellite | | | ATS ATS ATS | * 2300-1100 2300-1100 | *Available on request 3 HRS | |
| Phitsanulok Approach Control Centre (Phitsanulok Sector) | | | Sukhothai TWR Tak TWR | Sukhothai TWR Tak TWR | Satellite Satellite | | | ATS ATS | 2300-1100 * | *Available on request 3 HRS | |
| Phuket Approach Control Centre (Phuket Sector) | | | Krabi TWR Ranong TWR | Krabi TWR Ranong TWR | Satellite Satellite | | | ATS ATS | 2300-1100 2300-1100 | | |

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| 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 | | | |

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| 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 | 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 | Aerofhai | |
| | | | 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 | | |

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| Name | 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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| 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 Trat | | LTT DX LTT DX | Satellite Satellite | Satellite Satellite | ATN ATN | 2300-1100 2300-1100 | |

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