

## GEN 3.4 COMMUNICATION SERVICES

### 1. Responsible service.

- 1.1 Department of Air Transport is the responsible for the provision of telecommunication and navigation facility services in Bhutan.  
Chief of Air Navigation Service Division (ANSD)  
Department of Air Transport  
Ministry of Infrastructure and Transport  
Paro International Airport  
Paro, Bhutan  
Tel: 975-8-272760  
Email: [kyonten@doat.gov.bt](mailto:kyonten@doat.gov.bt)
- 1.2 The services are provided in accordance with the provision contained in the following ICAO documents:
- a) Annex 10 - *Aeronautical Telecommunications*;
  - b) Doc 8400- *Procedures for Air Navigation Services*  
*ICAO Abbreviations and Codes (PANS-ABC)*
  - c) Doc 8585 - *Designators for the aircraft Operating Agencies,*  
*Aeronautical Authorities and Services*;
  - d) Doc 7030- *Regional Supplementary Procedures*;
  - e) Doc 7910 - *Location Indicators*.

### 2. Area of responsibility

- 2.1 A Communication service is provided for the entire airspace over the territory of Bhutan. Arrangements for such services on a continuing basis should be made with the Chief of ANSPD, DoAT. Responsibility for the day-to-day operation of these services is vested in Dy. Chief Communication Officer located at Paro international aerodrome. Inquiries, suggestion or complaints regarding any telecommunication service should be referred to the Dy. Chief Communication Officer or to the Chief of ANSD as appropriate.

Dy. Chief Com Officer  
Communication & Navigation Section  
Department of Air Transport  
Paro International Airport  
Paro, Bhutan  
Tel: 975-8-272511  
Email: [dmadhikari@doat.gov.bt](mailto:dmadhikari@doat.gov.bt)

### 3. Type of services

#### 3.1 Radio navigation services

The following types of radio aids to navigation are available:

- a) LF/MF non-directional beacon (NDB)
- b) Doppler VHF omni directional radio range (DVOR)
- c) Distance Measuring Equipment (DME)

#### 3.2 Voice/data link service

##### *Voice Service*

The aeronautical station maintains 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 radio station that exercise control in the area in which the aircraft 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.

*Data link Service*

The message to be transmitted over the Aeronautical Fixed Services (AFS) are accepted only if:

- a) They satisfy the requirement of ICAO Annex 10, Vol. II, Chapter 3,3.3
- b) they are prepared in the form specified in ICAO Annex 10
- c) the text of an individual message does not exceed 200 groups

3.3 ***Broadcasting Service***

VOLMET TO BE DEVELOPED

3.4 ***Language used:*** ENGLISH

3.5 ***Where detailed information can be found***

- 3.5.1 Details of the various facilities available for the en-route traffic can be found in Part 2.ENR 4. Details of the facilities available at the individual aerodromes can be found in the relevant section of Part 3 (AD). In case where a facility is serving both en-route traffic and the aerodrome, details are given in the relevant sections of Part 2 (ENR) and Part 3 (AD)

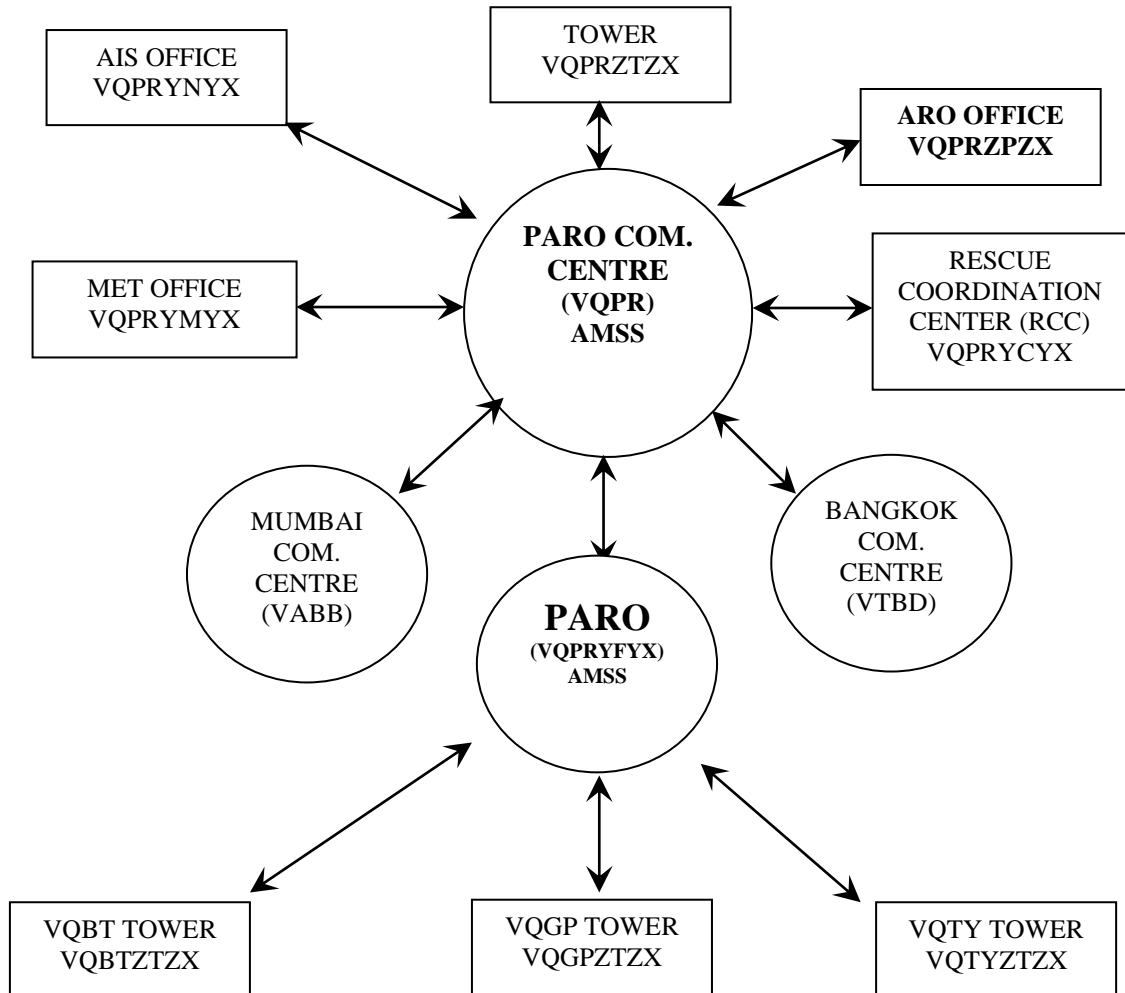
**4. Requirements and conditions.**

The requirements of the communication service and the general conditions under which the communication service is available for international use, as well as the requirement for the carriage of radio equipment are contained in the BCAR-10, Volume I, II, III, IV and V.

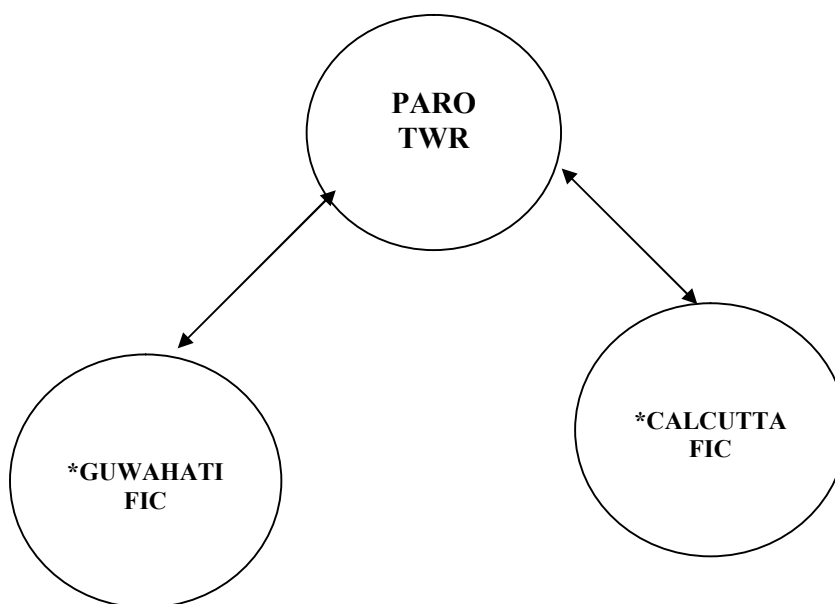
**5. Miscellaneous**

NIL

**AERONAUTICAL FIXED SERVICES: TELEGRAPH (AFS)**



**AERONAUTICAL FIXED SERVICES: \*TELEPHONE**



\* 1. Provided with a direct telephone on International Subscriber Dialling System (ISD) to contact any adjoining ACC/FIC

\*2. Dedicated Hotline between adjoining FIC/ACC to be developed