

PART IV

AERONAUTICAL CHARTS

*Availability and general Specifications of Aeronautical Charts*

27. (1) The Director General shall ensure that the general specification, applicability and availability of aeronautical charts for use in air navigation in the area of responsibility for Trinidad and Tobago are in accordance with the standards prescribed in Part A of Schedule 3.

Availability and  
general  
Specifications of  
Aeronautical  
Charts

(2) The Director General shall, where so specified, ensure the availability of charts for a particular chart or single sheet of a chart series—

(a) entirely contained within Trinidad and Tobago or areas for which the Authority is responsible under the regional arrangement by—

(i) producing the chart or sheet itself;

(ii) arranging for production by another Contracting State or by an agency;  
or

(iii) providing another Contracting State that is prepared to accept an obligation to produce the chart or sheet with the data necessary for its production; and

(b) which includes the territory of two or more Contracting States of which the Director General has jurisdiction and under regional air navigation agreements, the Director General shall determine the manner in which the chart or sheet will be made available.

(3) The Director General shall take all reasonable measures to ensure that the information it provides and the aeronautical charts made available are adequate and accurate and that the information and aeronautical charts are maintained up to date by an adequate revision service.

(4) The aeronautical charts under this Part shall be the types recommended by ICAO.

*Director General's responsibility to provide Information to other Contracting States*

28. The Director General shall on request by another Contracting State, provide all information relating to Trinidad and Tobago that is necessary to enable the standards of Schedule 3 to be met.

Director  
General's  
responsibility  
to provide  
Information  
to other  
Contracting  
States

*Quality System for Aeronautical Data*

Quality  
System for  
Aeronautical  
Data

29. The Director General shall—

- (a) take all necessary measurements to introduce a properly organized quality system that contains procedures, processes and resources necessary to implement quality management at each function stage as outlined in Part A of Schedule 2, for the receipt, origination, collation, assembly, editing, formatting, publication, storage and distribution of aeronautical data for Trinidad and Tobago and other areas of responsibility for air traffic services outside Trinidad and Tobago;
- (b) ensure that the established procedures exist in order that aeronautical data at any moment is traceable to its origin so as to allow any data anomalies or errors, detailed through the production and maintenance phases or in the operational use, to be corrected;
- (c) ensure that the order of chart resolution of aeronautical data shall be as specified for a particular chart as presented in a tabular form in Appendix 3 to Part A of Schedule 3; and
- (d) ensure that integrity of aeronautical data is maintained through the data process from survey or origin to the next intended user.

*The Director General to make available Aerodrome Obstacle Chart— ICAO Type A*

The Director  
General to  
make available  
Aerodrome  
Obstacle  
Chart—ICAO  
Type A

30. (1) The Director General shall ensure that Aerodrome Obstacle Charts—ICAO Type A (Operating Limitations) are made available in the manner prescribed in regulation 27 for all aerodromes regularly used for international aviation except for those aerodromes where there are no obstacles in the take-off flight path areas or where the Aerodrome Terrain and Obstacle Chart – ICAO (Electrical) is provided in accordance with regulation 37B;

(2) Notwithstanding subregulation (1), an aerodrome obstacle chart, shall not be required where no obstacles exist in the take-off flight path area and a notification to that effect shall be published the words in the AIP.

(3) An aeronautical obstacle chart under subregulation (1), shall meet the standards prescribed in Part B of Schedule 3.

*The Director General to make available En Route Chart—ICAO*

The Director  
General to  
make  
available  
En route  
Chart—ICAO

31. (1) The Director General shall ensure that En route Charts— ICAO—

- (a) are made available in the manner prescribed in regulation 27 for the Piarco Flight Information Region to provide flight crew with information to facilitate navigation along ATS routes; and
  - (b) meet the requirements of the standards prescribed in Part C of Schedule 3.
- (2) The Director General shall provide separate En route Charts—ICAO where different ATS routes, position reporting requirement or lateral limit of flight information regions or controlled areas exist in different layers and cannot be shown with sufficient clarity on one chart.

***The Director General to make available Area Chart—ICAO***

32. The Director General shall ensure—

- (a) where air traffic services routes or position reporting requirements are complex and cannot be adequately shown on an En route Chart—ICAO an Area Chart—ICAO is made available in the manner prescribed in regulation 27;
- (b) that Area Charts—ICAO required to provide flight crew with the required information to facilitate the following phases of instrument flight:
  - (i) the transition between the en route phase and approach to an aerodrome;
  - (ii) the transition between take-off and missed approach and en route phase of flight; and
  - (iii) flight through areas of complex ATS routes or airspace structure, meet the requirements prescribed in Part D of Schedule 3; and
- (c) where ATS routes or position reporting requirements are different for arrivals and departures and cannot be shown with sufficient clarity on one chart, separate charts are provided.

The Director General to make available Area Chart—ICAO

***The Director General to make available Standards Departure Chart— Instrument (SID)—ICAO***

33. (1) The Director General shall ensure that the standard departure charts (Instrument SID)—ICAO—

- (a) required to provide flight crew with information to enable compliance with the designated standard departure route instrument from take-off phase to the en route phase, meet the standards prescribed in Part E of Schedule 3; and

The Director General to make available Standards Departure Chart— Instrument (SID)—ICAO

- (b) are made available where a standard departure route instrument is established and cannot be shown with sufficient clarity on the Area Chart—ICAO.

***The Director General to make available Standard Arrival Chart—Instrument (STAR)—ICAO***

34. The Director General shall ensure that the Standard Arrival Chart (Instrument STAR)—ICAO—

The Director General to make available Standards Arrival Chart—Instrument (STAR)—ICAO

- (a) required to provide flight crew with information to enable compliance with the designated standard arrival route instrument from the en route phase to the approach phase, meet the standards prescribed in Part F of Schedule 3; and
- (b) are made available where a standard arrival route instrument has been established and cannot be shown with sufficient clarity on the area chart.

***The Director General to make available Instrument Approach Chart—ICAO***

35. (1) The Director General shall ensure that Instrument Approach Charts—ICAO—

The Director General to make available Instrument Approach Chart—ICAO

- (a) required to provide flight crews with information to enable them to perform an approved instrument procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns, meet the standards prescribed in Part G of Schedule 3; and
- (b) are made available for all aerodromes used for international civil aviation where instrument approach procedures have been established by the Authority.
- (2) The Director General shall—
- (a) provide a separate Instrument Approach Chart—ICAO for each precision and non-precision approach procedure established by the Authority;
- (b) provide more than one Instrument Approach Chart—ICAO where the values for track, time or altitude differ between categories of aircraft on other than final approach segment of the instrument approach procedures and the listing of those differences on a single chart could cause clutter or confusion; and
- (c) ensure that Instrument Approach Chart—ICAO are revised where information essential to safe operation becomes out of data.

***The Director General to make available Visual Approach  
Chart—ICAO***

36. The Director General shall ensure that Visual Approach Charts—ICAO—
- (a) required to provide flight crews with information to enable them to transit from the en route and descent to approach phases of flight to the runway of intended landing by means of visual reference, meet the standards prescribed in Part H of Schedule 3; and
  - (b) are made available in the manner prescribed in regulation 27 for all aerodromes used for international civil aviation where—
    - (i) only limited navigation facilities are available;
    - (ii) no adequate aeronautical charts at the aerodrome and its surroundings at 1:500 000 or greater scale are available; or
    - (iii) visual approach in procedures have been established.

The Director  
General to  
make  
available  
Visual  
Approach  
Chart—ICAO

***The Director General to make available Aerodrome or  
Helicopter Charts***

37. The Director General shall ensure that Aerodrome or Helicopter Charts—ICAO required to provide flight crews with essential operational information—
- (a) to facilitate ground movement of aircraft—
    - (i) from the aircraft stand to the runway; and
    - (ii) from the runway to the aircraft stand; meet the standards prescribed in Part I of Schedule 3; and
  - (b) to facilitate helicopter movement—
    - (i) from the helicopter stand to the touchdown and lift-off area and to the final approach and take-off area;
    - (ii) from the final approach and take-off area to the touchdown and lift-off area and to the helicopter stand; and
    - (iii) along air transit routes, meet the standards prescribed in Part I of Schedule 3.
  - (c) are made available in the manner prescribed in regulation 27 for all aerodromes or heliports regularly used for international civil aviation.

The Director  
General to  
make  
available  
Aerodrome or  
Helicopter  
Charts

***The Director General to make available Aeronautical  
Chart – ICAO 1:500 000***

The Director  
General to  
Make  
Available  
Aeronautical  
Chart – ICAO  
1:500 000

37A. The Director General shall ensure that Aeronautical Chart –  
ICAO 1:500 000 –

- (a) is made available in the manner prescribed in regulation 27 for Trinidad and Tobago; and
- (b) provides the necessary information to satisfy the requirements of visual air navigation for low speed, short or medium-range operations at low and intermediate altitudes and meet the standards prescribed in PART J of Schedule 3.

***The Director General to make available  
Aerodrome Terrain and Obstacle Chart – ICAO  
(Electronic)***

The Director  
General to make  
available  
Aerodrome  
Terrain and  
Obstacle Chart –  
ICAO  
(Electronic)

37B. The Director General shall ensure that Aerodrome Terrain and Obstacle Chart  
- ICAO (Electronic) –

- (a) is made available in the manner prescribed in regulation 27 for all aerodromes regularly used by inter-national civil aviation from 18<sup>th</sup> November 2010; and
- (b) portrays the terrain and obstacle data in combination with aeronautical data and meet the standards prescribed in PART K of Schedule 3.