

## GEN 3.2 AERONAUTICAL CHARTS

### 1 RESPONSIBLE SERVICES

1.1 The Civil Aviation Authority of State of Qatar provides a wide range of aeronautical charts for use by all types of civil aviation. The Aeronautical Information Service produces the charts which are part of the AIP. Other charts suitable for pre-flight planning and briefing are available for reference at the AIS office at Doha International and Hamad International Airports. The charts published in the AIP are produced in accordance with the provisions contained in the ICAO documents listed under sub-section "GEN 3.2" item 1.2. Differences to the provisions contained in ICAO Annex 4 - Aeronautical Charts are detailed in sub-section GEN 1.7.

#### 1.2 Applicable ICAO Documents

- a) Annex 4 - Aeronautical Charts.
- b) Doc 8168 - Aircraft Operations, Volume II - Construction of Visual and Instrument Flight Procedures.
- c) Doc 8697 - Aeronautical Chart Manual.

### 2 MAINTENANCE OF CHARTS

2.1 The aeronautical charts included in the AIP are kept up-to-date regularly by means of replacement sheets (pages are made available in PDF format in electronic environment) where necessary. Significant amendments or revisions in aeronautical information for other aeronautical charts are also included in the replacement sheets.

2.2 Information found to be incorrect after publication will be corrected by a NOTAM if they are of operational significance.

### 3 PURCHASE ARRANGEMENTS

3.1 The charts as listed under sub-section 5 can be obtained from <https://www.caa.gov.qa/en>. Any inquiries shall be addressed to:

Post: Aeronautical Information Management  
Air Navigation Department  
Civil Aviation Authority  
P.O. BOX 73  
DOHA  
STATE OF QATAR  
Tel: +974 4470 5566  
+974 4470 5577  
Fax: +974 4470 5678  
E-mail: [aim@caa.gov.qa](mailto:aim@caa.gov.qa)  
AFS: OTBDYOYX, OTHHYOYX(AIS HQ)

### 4 AERONAUTICAL CHART SERIES AVAILABLE

#### 4.1 THE FOLLOWING SERIES OF AERONAUTICAL CHARTS ARE PRODUCED:

##### 4.1.1 ICAO chart series

- a) Aeronautical Chart — ICAO 1:500 000;
- b) Aerodrome/Heliport Chart — ICAO;
- c) Aerodrome Ground Movement Chart — ICAO;
- d) Aircraft Parking/Docking Chart — ICAO;
- e) Aerodrome Obstacle Chart — ICAO — Type A (for each runway);
- f) Precision Approach Terrain Chart — ICAO (precision approach Cat II and III runways);
- g) En-route Chart — ICAO;
- h) ATC Surveillance Minimum Altitude Chart — ICAO;
- i) Standard Departure Chart — Instrument (SID) — ICAO;
- j) Standard Arrival Chart — Instrument (STAR) — ICAO;
- k) Instrument Approach Chart — ICAO (for each runway and procedure type);
- l) Visual Approach Chart — ICAO.

##### 4.1.2 Locally produced chart series

- a) Helicopter Route Chart;
- b) Bird Concentrations Chart;
- c) Free Route Airspace Chart.

The charts currently available are listed under 5. of this subsection.

## **4.2 GENERAL DESCRIPTION OF EACH SERIES**

### **4.2.1 General description of ICAO chart series**

**a) Aeronautical Chart — ICAO 1:500 000.**

This chart provides information to satisfy the requirements of visual air navigation for low speed, short- or medium-range operations at low and intermediate altitudes which may be used for pre-flight planning. The chart is constructed on conformal (orthomorphic) projection. It includes a selection of aerodromes, obstacles, elements of the ATS system, prohibited, restricted and danger areas, and radio navigation aids.

**b) Aerodrome/Heliport Chart — ICAO.**

This chart contains detailed aerodrome/heliport data to provide flight crews with information that will facilitate the ground movement of aircraft:

- from the aircraft stand to the runway; and
- from the runway to the aircraft stand;

and helicopter movement:

- from the helicopter stand to the touchdown and lift-off area and to the final approach and take-off area;
- from the final approach and take-off area to the touchdown and lift-off area and to the helicopter stand;
- along helicopter ground and air taxiways; and
- along air transit routes.

It also provides essential operational information at the aerodrome/heliport:

**c) Aerodrome Ground Movement Chart — ICAO.**

This chart provides flight crews with detailed information to facilitate the ground movement of aircraft between the runways along the taxiways to and from the aircraft stands and the parking/docking of aircraft.

**d) Aircraft Parking/Docking Chart — ICAO.**

This chart is produced for those aerodromes where, due to the complexity of the terminal facilities, the information to facilitate the ground movement of aircraft between the taxiways and the aircraft stands and the parking/docking of aircraft cannot be shown with sufficient clarity on the Aerodrome/Heliport Chart — ICAO or on the Aerodrome Ground Movement Chart — ICAO.

**e) Aerodrome Obstacle Chart — ICAO — Type A (operating limitations).**

This chart contains detailed information on obstacles in the take-off flight path areas of aerodromes. It is shown in plan and profile view. This obstacle information, in combination with an Obstacle Chart — ICAO — Type C, provides the data necessary to enable an operator to comply with the operating limitations of ICAO Annex 6, Parts I and II, Chapter 5.

**f) Precision Approach Terrain Chart — ICAO.**

This chart provides detailed terrain profile information within a defined portion of the final approach so as to enable aircraft operating agencies to assess the effect of the terrain on decision height determination by the use of radio altimeters. This chart is produced for all precision approach Cat II and III runways.

**g) En-route Chart — ICAO.**

This chart is produced for the entire Doha FIR. The aeronautical data include all aerodromes, prohibited, restricted and danger areas and the air traffic services system in detail. The chart provides the flight crew with information that will facilitate navigation along ATS routes in compliance with air traffic services procedures.

**h) ATC Surveillance Minimum Altitude Chart — ICAO.**

This chart is supplementary to the Area Chart and provides information which will enable flight crews to monitor and cross-check altitudes assigned while under radar control.

**i) Standard Departure Chart — Instrument (SID) — ICAO.**

This chart is produced whenever a standard departure route — instrument has been established and cannot be shown with sufficient clarity on the Area Chart — ICAO. The aeronautical data shown include the aerodrome of departure, aerodrome(s) which affect the designated standard departure route — instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard departure route — instrument from the take-off phase to the en-route phase.

**j) Standard Arrival Chart — Instrument (STAR) — ICAO.**

This chart is produced whenever a standard arrival route — instrument has been established and cannot be shown with sufficient clarity on the Area Chart — ICAO. The aeronautical data shown include the aerodrome of landing, aerodrome(s) which affect the designated standard arrival route — instrument, prohibited, restricted and danger areas and the air traffic services system. This chart provides the flight crew with information that will enable them to comply with the designated standard arrival route — instrument from the en-route phase to the approach phase.

**k) Instrument Approach Chart — ICAO.**

This chart is produced for all aerodromes used by civil aviation where instrument approach procedures have been established. A separate Instrument Approach Chart — ICAO has been provided for each approach procedure.

The aeronautical data shown include information on aerodromes, prohibited, restricted and danger areas, radio communication facilities and navigation aids, minimum sector altitude, procedure track portrayed in plan and profile view, aerodrome operating

minima, etc

This chart provides the flight crew with information that will enable them to perform an approved instrument approach procedure to the runway of intended landing including the missed approach procedure and where applicable, associated holding patterns.

l) Visual Approach Chart — ICAO.

This chart is produced for aerodromes used by civil aviation where:

- only limited navigation facilities are available; or
- radio communication facilities are not available; or
- no adequate aeronautical charts of the aerodrome and its surroundings at 1:500 000 or greater scale are available; or
- visual approach procedures have been established.

The aeronautical data shown include information on aerodromes, obstacles, designated airspace, visual approach information, radio navigation aids and communication facilities, as appropriate

4.2.2 General description of locally produced chart series

a) Helicopter Route Chart

This chart is a graphical portrayal of helicopter routes to facilitate helicopter flight crews navigating in high density traffic areas. The chart provides ground reference symbology to improve visual navigation.

b) Bird Concentration Chart

This chart is produced as a supplementary chart for the flight crews to provide the location of bird concentration in the vicinity of the aerodrome.

c) Free Route Airspace Chart

This chart is produced to plan a route freely between a defined entry point and a defined exit point, with the possibility to route via intermediate way points, without reference to the ATS route network.

## 5 LIST OF AERONAUTICAL CHARTS AVAILABLE

5.1 All charts available in Qatar AIP are free of charge for all its users via <https://www.caa.gov.qa/en>. A list of the appropriate aeronautical charts can be found in the sections, ENR 6, OTBD AD 2.24 and OTHH AD 2.24

## 6 INDEX TO THE AERONAUTICAL CHART — ICAO 1:500 000

6.1 Refer to Qatar Aeronautical Chart in ENR 6.

## 7 TOPOGRAPHICAL CHARTS

Not available

## 8 CORRECTIONS TO CHARTS NOT CONTAINED IN THE AIP

| Charts | Location | Corrections |
|--------|----------|-------------|
| -      | -        | -           |

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