

Document	BAR 4 – Aeronautical Charts	
Version	01	



**Brunei Department of Civil Aviation**

**Negara Brunei Darussalam**

[www.mtic.gov.bn/dca](http://www.mtic.gov.bn/dca)

# **Brunei Aviation Requirements**

## **BAR 4 – Aeronautical Charts**

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## Control of this Document

### DC.1 Introduction

DC.1.1 Pursuant to Civil Aviation Order 2006 and the Civil Aviation Regulations 2006 and their subsequent amendments, the following requirements are hereby established for compliance by all persons concerned, the Director of Civil Aviation is empowered to adopt and amend Brunei Aviation Requirements. In accordance herewith, the following requirement is hereby established for compliance by all persons concerned. This requirement shall be known as BAR 4 – Aeronautical Charts and any reference to this title shall mean referring to the requirements to be met for the regulation of Aeronautical Information Services.

### DC.2 Authority for these Requirements

DC.2.1 This BAR 4 – Aeronautical Charts is issued on the authority of the Director of Civil Aviation.

### DC.3 Applicability

DC.3.1 This BAR 4 – Aeronautical Charts is applicable to the aviation industry of Brunei Darussalam.

### DC.4 Scope

DC.4.1 BAR 4 Aeronautical Charts contains the Aeronautical Charts requirements of Brunei Darussalam, and shows compliance with ICAO Annex 4. The requirements in BAR 4 are separated into the following parts with cross references between parts where applicable.

BAR 4 – Part Aeronautical Charts Oversight

BAR 4 – Part Aeronautical Charts Provision

### DC.5 Definitions

DC.5.1 Terms not defined shall have the meaning given to them in the relevant legal instruments or international legal instruments in which they appear, especially as they appear in the Convention and its Annexes.

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## High Level Requirements

### Article 1 The Competent Authority

This document establishes high level requirements for the safety of aeronautical charts services for general air traffic in Brunei DCA.

Throughout this document and its subordinate parts the term 'Brunei DCA' shall mean the regulatory (competent authority) element only. Where this regulation addresses the other parts of the Brunei DCA which provide air navigation services including Aeronautical Charts it does so using the terms 'Air Navigation Service Providers (ANSP)' and 'providers'.

### Article 2 ICAO Compliance

The Brunei DCA and provider(s) of Aeronautical Charts in Brunei Darussalam shall comply with the relevant ICAO Annex 4 and Annex 19 Standards and Recommended Practices relating to Aeronautical Charts unless they are subject to specific national 'differences' which have been filed formally with ICAO and promulgated in the Brunei AIP. All recommended practices promulgated in these ICAO Annexes shall be afforded the same status as standards and implemented accordingly in Brunei Darussalam.

### Article 3 Service Definition Document

The Aeronautical Charts service provider shall develop, in close co-ordination with the Brunei DCA, the production of a Service Definition Document (SDD). This document defines the Aeronautical Charts to be provided to ensure compliance with ICAO Annex 4.

Before producing the SDD, the Provider shall consult users, including:

- (1) commercial and private pilots; and
- (2) commercial air operators; and
- (3) airport operators (especially for aerodrome and Instrument Approach Procedure charts); and
- (4) air traffic service providers; and
- (5) the Aeronautical Information Service provider;
- (6) other interested parties.

In addition to the users' opinions, the AIS service provider shall also consider the requirements of ICAO Annex 4 and the ICAO Regional Air Navigation Agreement and Plan with regard to Aeronautical Charts to be provided.

The results of the definition process shall be captured within the SDD which shall define:

- (1) the types of charts to be produced and their specification by reference to and in compliance with Annex 4.
- (2) the methods by which chart information shall be collected, collated and distributed; and
- (3) the standards and criteria to be applied; and
- (4) the Quality Management System which shall be used by the service provider; and
- (5) the requirement for agreements between the Aeronautical Charts Provider, any sub-contacted service provider, the AIS provider (where different), aerodromes, Air Traffic Services units, relevant IFP design organisations and other users where appropriate.

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The SDD shall include the specific requirement for compliance with Annex 4 and 15 for:

- (1) the compilation, production and distribution of charts for publication in the AIP; and
- (2) a specific reference to the requirements for urgent changes to the information on charts to be promulgated by NOTAM and the means for doing so in accordance with BAR 15; and
- (3) a specific reference to the requirement for Aeronautical Information Circulars in relation to the provision of charts in accordance with BAR 15.

## **Article 4 Arrangement to provide Aeronautical Charts**

- (1) The SDD must define the types of charts to be produced and their specification by reference to and in compliance with ICAO Annex 4. The SDD shall identify a primary Aeronautical Charts provider which shall be responsible overall for the provision of Aeronautical Charts within Brunei and which may be:
  - (i) Brunei's own Aeronautical Charts Provider or AIS Provider; or
  - (ii) another State's Aeronautical Charts Provider or AIS Provider; or
  - (iii) a commercial service provider.
- (2) Where any services are sub-contracted the primary service provider shall ensure that:
  - (i) there is in each case a letter of agreement or formal contract between the primary service provider and the sub-contractor to ensure that the services and standards to be provided by each party are clearly defined, taking into account the requirements specified in the SDD; and
  - (ii) the service overall fully meets that defined by the SDD.

## **Article 5 Service Provision**

Prior to commencing services, the Aeronautical Charts provider shall confirm that:

- (1) staff qualifications and training meet the required standards specified in ICAO Annex 4; and
- (2) the service to be provided meets the requirements of the SDD; and
- (3) verification and validation procedures are in place for any Aeronautical Charts information disseminated; and
- (4) procedures exist to ensure that the transmission of information is appropriate and timely; and
- (5) the necessary policies, processes and procedures, including those for the use of metadata, to ensure and verify that aeronautical data is traceable throughout the aeronautical data chain so as to allow any data anomalies or errors detected in use to be identified by root cause, corrected and communicated to affected users.