

Document	BAR 3 –Meteorological Services (MET)	
Version	01	



Brunei Department of Civil Aviation

Negara Brunei Darussalam

www.mtic.gov.bn/dca

Brunei Aviation Requirements

BAR 3 –Meteorological Services (MET)

Document	BAR 3 –Meteorological Services (MET)	
Version	01	

Table of Contents

Table of Contents	2
Control of this Document	3
High Level Requirements	4
Article 1 The Competent Authority	4
Article 2 ICAO Compliance	4
Article 3 The MET Authority	4
Article 4 Role of the MET Authority	4
Article 5 Service Definition Document	5
Article 6 Agreement to Provide Meteorological Services	6
Article 7 Service Provision	6
Article 8 Records	7

BRUNEL DCA

Document	BAR 3 –Meteorological Services (MET)	
Version	01	

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 3 –Meteorological Services (MET) and any reference to this title shall mean referring to the requirements to be met for the regulation of MET Services.

DC.2 Authority for these Requirements

DC.2.1 This BAR 3 –Meteorological Services (MET) is issued on the authority of the Director of Civil Aviation.

DC.3 Applicability

DC.3.1 This BAR 3 –Meteorological Services (MET) is applicable to the aviation industry of Brunei Darussalam.

DC.4 Scope

DC.4.1 BAR 3 Meteorological Services contains the MET Services requirements of Brunei Darussalam, and shows compliance with ICAO Annex 3. The requirements in BAR 3 are separated into the following parts with cross references between parts where applicable.

BAR 3 - Part MET Oversight

BAR 3 - Part MET 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.

Document	BAR 3 –Meteorological Services (MET)	
Version	01	

High Level Requirements

Article 1 The Competent Authority

This document establishes high level requirements for the safety of meteorological 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 these requirements address the other parts of the Brunei DCA which provide air navigation services such as Meteorological Services they do so using the terms 'Air Navigation Service Providers (ANSP)' and 'providers'.

Article 2 ICAO Compliance

The Brunei DCA and providers of MET in Brunei Darussalam shall comply with the relevant ICAO Annex 3 and Annex 19 Standards and Recommended Practices relating to MET 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 The MET Authority

The Brunei DCA shall nominate a body to be responsible for the role of the MET Authority under ICAO Annex 3. If the MET Authority defines and arranges for the service, but does not provide it, the MET Authority may also act as Regulator for the purposes of this BAR MET. If the MET Authority also provides the service the Regulator shall be a separate organisation. The name and contact details for the MET Authority shall be published in the Brunei AIP.

Article 4 Role of the MET Authority

The MET Authority shall set out the meteorological services to be provided within Brunei Darussalam and arrange for the provision of those services in accordance with ICAO Annex 3. The MET Authority may also be the service provider provided that it does not also conduct the safety oversight function of the Brunei DCA concerning MET services.

Document	BAR 3 –Meteorological Services (MET)	
Version	01	

Article 5 Service Definition Document

The MET Authority shall undertake the production of a Service Definition Document (SDD). This document defines the services to be provided to ensure compliance with ICAO Annex 3.

Before producing the SDD, the MET Authority shall consult users, including:

- (1) Commercial and private pilots; and
- (2) Commercial air operators; and
- (3) Air traffic service providers; and
- (4) Search and rescue organisations; and
- (5) Other interested parties, including the Brunei DCA

When considering responses from commercial and private pilots and commercial air operators, consideration shall also be given to the requirements of ICAO Annex 3, Chapter 9 – Services for Operators and Flight Crew.

When considering responses from air traffic service providers and search and rescue organisations, consideration shall also be given to the requirements of ICAO Annex 3, Chapter 10.

In addition to the users' opinions, the MET Authority shall also consider the requirements of the ICAO Regional Air Navigation Agreement with regard to MET services in Brunei Darussalam.

Where the MET Authority is also the meteorological service provider, the MET Authority shall agree the SDD with the Competent Authority.

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

- (1) The services to be provided, and the means of delivery (face to face briefing; fax; paper; electronic etc); and
- (2) the locations and hours during which they will be provided; and
- (3) the standards and criteria to be applied (ICAO Annex 3 at minimum), including, for example, the criteria for the production and distribution of Special Reports and post-Accident Reports; and
- (4) the requirements for agreements between the MET service provider, air traffic services and other users where appropriate; and
- (5) the requirements for aircraft observations to be made by aircraft of its registry operating on international routes and for the recording and reporting of these observations; and
- (6) the requirements for the servicing and calibration of all meteorological equipment.

Where a user identifies a significant change in its circumstances, e.g. a new route or aircraft type for an aircraft operator, or a new ATS service for ATC, the user shall notify the MET Authority as soon as practicable so that the change can be assessed for impact on the meteorological services to be provided.

Document	BAR 3 –Meteorological Services (MET)	
Version	01	

Article 6 Agreement to Provide Meteorological Services

The MET Authority shall determine the way in which the service described in the SDD will be provided.

Where the MET Authority is not the service provider, the service may be provided by:

- (1) The State National MET and Hydrological Service;
- (2) Another State's National MET and Hydrological Service; or
- (3) a commercial MET service provider.

In the case described in sub-para (1) above, the SDD shall form the basis of a letter of agreement with the MET Office to ensure that the services and standards are clearly defined.

In the case described in sub-para (2) above, a letter of agreement shall be entered into with the other State's National MET and Hydrological Service or, where that Service charges for the service, there shall be a formal contract, the scope of work of which shall effectively be defined by the SDD.

In the case described in sub-para (3) above, the SDD shall be the scope of work for the contract.

Any agreement or contract with a MET service provider shall include the specific requirements for the:

- (1) preparation, content and format of observations and/or reports; and
- (2) preparation, content and format of forecasts and briefings; and
- (3) schedule for the issue and validity of reports and forecasts; and
- (4) content, format and requirements for issue of SIGMET, AIRMET, Aerodrome Warnings and Wind Shear Warnings (where these are required), including use of, and relay as appropriate, of advisory messages from Volcanic Ash Advisory Centres or Tropical Cyclone Advisory Centres; and
- (5) provision of climatological information, as required; and
- (6) suitability and operation of any automatic weather reporting equipment and meteorological instrumentation sited at airports; and
- (7) communications requirements and provision.

Article 7 Service Provision

Prior to commencing services, the MET service provider shall confirm that:

- (1) staff qualifications and training meet World Meteorological Organisation standards; and
- (2) the service to be provided meets the requirements of the SDD; and
- (3) verification and validation procedures are in place for any meteorological information disseminated; and
- (4) procedures exist to ensure that the transmission of information is appropriate and timely; and
- (5) meteorological information supplied to users conforms with human factors principles, which require the minimum of interpretation by users.

Document	BAR 3 –Meteorological Services (MET)	
Version	01	

Article 8 Records

The service provider shall maintain records of observations and retain these without time limit. This data shall be made available to organisations undertaking research, investigation or analysis.

BRUNEL DCA