

	<b>TANZANIA CIVIL AVIATION AUTHORITY AIR NAVIGATION SERVICES INSPECTORATE</b>	<b>Revision: 1</b>
<b>Document No: TCAA/QSP/SR/AC/ANS - 32</b>	<b>Title: distribution of safety critical information</b>	<b>Page 1 of 3</b>

### 1.1. Purpose

The purpose of this advisory circular is to guide ANSPs in the processes of distribution of safety critical information including categorization, methods and timelines for distribution.

### 1.2. Reference

- a) Safety Oversight Manual Document 9734 Part A
- b) Aeronautical Information Services Manual Document 8126

### 1.3. Guidance

#### 1.3.1. General

Safety-critical-systems are those systems whose failure could result in loss of life, significant property damage or damage to the environment. Civil aviation is inherently safety critical hence information pertaining to aircraft operations is safety critical in nature. To ensure safety, regularity and efficiency of civil aviation safety critical information must conform to prescribed standards and quality including correctness, timeliness, accuracy, resolution and integrity. Non conformity to the prescribed standards would result in an unsafe condition that could cause loss or serious damage to the end item or major components, loss of control, or serious injury to personnel.

To foster safety in the aviation operational environment, the supply and speedy dissemination of safety-critical information, is essential. The importance of the regular amendment and updating of safety critical information cannot be overemphasized.

#### 1.3.2. Categories of safety critical information

- a) Integrated Aeronautical Information Package (i.e. Aeronautical Information Publication (AIP), including amendment service, AIP Supplements, NOTAM, pre-flight information bulletins (PIB), Aeronautical Information Circulars (AIC), checklists and list of valid NOTAM)
- b) Regulatory documents - Civil aviation regulations, manuals of standards, advisory circulars, orders and directives.

#### 1.3.3. Description of the elements of Aeronautical Information Package

- a) **AIP Amendments** - AIP Amendments are issued whenever new information necessitates a permanent change or addition to the information already contained in the AIP.
- b) **AIP Supplements** – AIP supplements are issued to communicate temporary changes of long duration (more than three months) or changes requiring the issuance of extensive text and/or graphics which affect the contents of an AIP.

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- c) **NOTAM** – NOTAMs are issued to communicate changes to facilities and services which are of a temporary nature or of short duration. In addition, notification of operationally significant changes of a temporary or permanent nature is sometimes required at short notice. For example, construction at an aerodrome may necessitate the closing of a runway, or a radio navigation aid may be removed from service for 24 to 48 hours for modification or maintenance, or a visual aid may be permanently removed from service. Such information is issued in the form of a notice known as a “NOTAM” and is distributed via the aeronautical fixed service (AFS).
- d) **Aeronautical information circulars (AIC)** - Aeronautical information circulars are issued to communicate information that does not qualify for inclusion in the AIP or in NOTAM. These cover such matters as long-term advance notifications of major changes in procedures or facilities, information of an explanatory or advisory nature, or information concerning administrative matters.
- e) **Pre-flight information bulletins (PIB)** - Pre-flight information bulletins contain information on the status of facilities and services taken from current NOTAM and made available to flight crews.
- f) **Checklists and lists of valid NOTAM** - Checklists of valid NOTAM are issued periodically (at least once a month) over the AFS. In addition, the checklists must refer to the latest AIP Amendments, AIP Supplements and at least the internationally distributed AIC. Furthermore, a monthly printed plain-language list of valid NOTAM, including references to the latest AIP Amendments, AIC issued, and a checklist of AIP Supplements must be forwarded to all recipients of the Integrated Aeronautical Information Package.

#### 1.3.4. Description of the regulatory documents

- a) Civil aviation regulations - The Civil Aviation Regulations (CARs) are rules that address specific kind of aviation activity or speciality. The Air Navigation Services regulation addresses provisions contained in Annex 3 - Meteorological Service for International Air Navigation, Annex 4 - Aeronautical Charts, Annex 10 - Aeronautical telecommunication, Annex 11 - Air Traffic services, Annex 12 - search and Rescue and Annex 15 - Aeronautical Information services. Provisions for ICAO Annex 2 – Rules of the air are addressed in the Tanzania Civil aviation (Rules of the Air) Regulations.

However, apart from Rules of the air are addressed in the Tanzania Civil aviation (Rules of the Air) Regulations, the regulations do not provide details of the Standards and Recommended practices as the Annexes.

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- b) Advisory circulars and orders - Advisory circulars are issued to provide additional guidance to service providers when this is not adequately provided in the regulations and manuals of standards. Orders are issued to guide inspectors in providing oversight in specific areas of concern.

### 1.3.5. Distribution of safety information

#### 1.3.5.1. Aeronautical Information Package

All AIP, AIP Amendments and AIP Supplements must be distributed to recipients of the Integrated Aeronautical Information Package by the most expeditious means available. When an AIP Amendment or an AIP Supplement is published in accordance with AIRAC procedures, a “trigger” NOTAM must be originated and promulgated. The intent of this NOTAM is to serve as a reminder in the pre-flight information bulletin (PIB) by signalling the coming into effect of operationally significant permanent or temporary changes to the AIP, thus ensuring that users are aware of changes that may affect their flights. It also serves as a reminder to AIS officers responsible for updating AIP to insert a new AIP Amendment or AIP Supplement in the affected AIP on the amendment or supplement effective date. The Aeronautical Information Package is best promulgated using the TCAA website.

#### 1.3.5.2. Regulatory documents

Civil aviation regulations and manuals of standards are issued through the TCAA website. Amendments are originated following amendments to the relevant ICAO Annexes. Amendments to the advisory circulars and orders is necessitated by amendments to ICAO standards in the respective Annexes or when deemed necessary by the Authority.



**Tanzania Civil Aviation Authority**