

Democratic Socialist Republic of Sri Lanka



Civil Aviation Authority of Sri Lanka

General Directive

(Issued under Sec. 121, Civil Aviation Act No. 14 of 2010)

Title: Guidance for Air Operators in Establishing a Flight Safety Documents System

Reference No.: CA-GD-2016-OPS S.N. : SLCAGD-003 Date: 30th June 2016

Pursuant to Section 121 of the Civil Aviation Act No.14 of 2010, Director General of Civil Aviation shall have the power to issue, whenever he considers it necessary or appropriate to do so, such General Directives for the purpose of giving effect to any of the provision in the CA Act, any Regulations or Rules made thereunder including the Articles of the Convention on International Civil Aviation which are specified in the Schedule to the CA Act.

Accordingly, I, being the Director General of Civil Aviation do hereby issue the General Directive as mentioned in the Attachment hereto (Ref: SLCA-GD-003-Att-01) , for the purpose of giving effect to the provisions in the aforementioned Act and Standards & Procedures described under Article 37 of the Convention, which are specified in the Attachment.

This General Directive shall be applicable to every person holding an Air Operator Certificate issued by Director General of Civil Aviation and his employees engaged in flight operations and shall come into force with immediate effect and remain in force unless revoked.

Attention is also drawn to sec. 103 of the Act, which states inter alia that failure to comply with General Directive, issued by DGCA is an offence.

H.M.C. Nimalsiri
Director General of Civil Aviation and
Chief Executive Officer

Civil Aviation Authority of Sri Lanka
04, Hunupitiya Road
Colombo 02.

Enclosure: Attachment No. SLCA-GD-003-Att-01

General Directive

Title: Guidance for Air Operators in Establishing a Flight Safety Documents System

GENERAL:

- I. This General Directive outlines the Guidance for Air Operators in Establishing a Flight Safety Documents System as required by Implementing Standard as amended SLCAIS 002
- II. The requirements contained in this document are applicable to Air Operator Certificate (AOC) holders on International/Domestic Passenger Operations issued by the DGCA.
- III. Holders of Air Operator Certificate (AOC) issued by the DGCA for commercial air transportation shall comply with the requirements published in this document and are hereby instructed to forward to the DGCA a "Declaration of Conformance" which indicates the degree of compliance with each item detailed in the document.
- IV. This document may be amended from time to time and the amendments will be reflected with the vertical line on the left side of the text.

1.0 INTRODUCTION

The purpose of this General Directive (GD) is to provide air operators with guidance on the establishment of an effective flight safety document system for the use and guidance of operational personnel. It may describe an example of an acceptable means, but not the only means, of demonstrating compliance with regulations and standards. This GD on its own does not change, create, amend or permit deviations from regulatory requirements, nor does it establish minimum standards. This GD is issued in accordance with Section 121 of the Civil Aviation Act No.14 of 2010

1.1 Purpose

This General Directive (GD) is issued to provide air operators with guidance on the establishment of an effective flight safety document system for the use and guidance of operational personnel.

1.2 Applicability

The scope of this GD is to provide guidelines on the development and organization of a Flight Safety Document System

1.3 Description of Changes

Not applicable.

2.0 REFERENCES

2.1 Reference Documents

The following reference material may be consulted for information purposes:

1. Developing Operating Documents – A Manual of Guidelines; NASA/FAA Operating documents Project
2. CAP 676 – Guidelines for the Design and Presentation of Emergency and Abnormal Checklists; UK CAA
3. CAP 708 – Guidance on the Design, Presentation and Use of Electronic Checklists
4. United Kingdom Overseas Territories Aviation Circular OTAC 119-9 Flight Safety Documents System Issue 1 24 September 2012

2.2 Cancelled Documents

Not applicable.

2.3 Definitions

The following definitions are reproduced for ease of reference:

Flight safety documents system means a set of inter-related documentation established by the operator, compiling and organizing information necessary for flight and ground operations, and comprising, as minimum, the operations manual and the operator's maintenance control manual.

Quality assurance means all those planned and systematic actions necessary to provide adequate confidence that a system, component, or facility will perform satisfactorily in service.

Safety management system (SMS) means a systematic approach to managing safety, including the necessary organizational structures, accountabilities, policies and procedures.

3.0 BACKGROUND

1. The findings of the ICAO Universal Safety Oversight Audit Program (USOAP) include, among others, deficiencies in compliance with Standards and Recommended Practices (SARPs) regarding operational documents required by Annex 6. These specific findings refer to deficiencies in operations manuals and maintenance control manuals.
2. Analysis of accident information revealed that in accident reports involving international commercial air transport aircraft and in incident reports, deficiencies in operational documents were considered contributing factor to the events.
3. The International Civil Aviation Organization has adopted a Standard in Annex 6, Operations of Aircraft, Part I, requiring that an operator establish a flight safety documents system for the use and guidance of operational personnel as part of its accident prevention and flight safety program.

4.0 FLIGHT SAFETY DOCUMENT SYSTEM

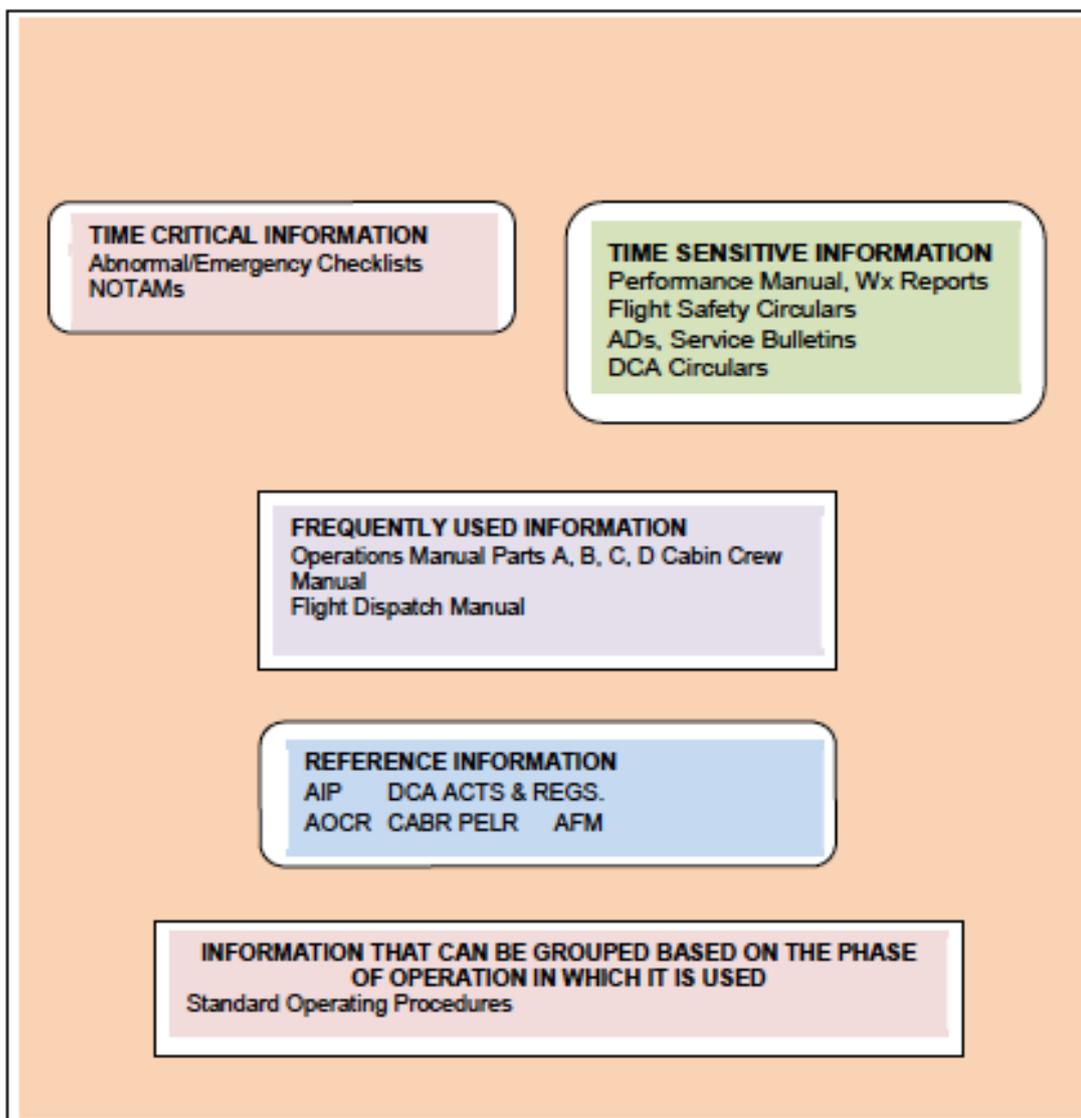
1. It should be understood that the development of a flight safety documents system is a complete process, and that changes to each document comprising the system may affect the entire system. Guidelines applicable to the development of operational documents have been produced by CAA and are available to air operators. Nevertheless, it may be difficult for operators to make the best use of these guidelines, since they are distributed across a number of publications.
2. Furthermore, guidelines applicable to operational documents development tend to focus on a single aspect of documents design, for example, formatting and typography. Guidelines rarely cover the entire process of operational documents development.
3. It is important for operational documents to be consistent with each other, and consistent with regulations, manufacturer requirements and Human Factors principles. It is also necessary to ensure consistency across departments as well as consistency in application. Hence the emphasis should be placed on an integrated approach, based on the notion of the operational documents as a complete system.
4. The guidelines in this GD address the major aspects of an operator's flight safety documents system development process, with the aim of ensuring compliance with Implementing Standards (IS) 002. The guidelines are based not only upon scientific research, but also upon current best industry practices, with an emphasis on a high degree of operational relevance.

5. ORGANIZATION

- 1 A flight safety documents system should be organized according to criteria which ensure easy access to information required for flight and ground operations contained in the various operational documents comprising the system and which facilitate management of the distribution and revision of operational documents.
- 2 Information contained in a flight safety documents system should be grouped according to the importance and use of the information, as follows:
 - a. Time critical information, e.g., information that can jeopardize the safety of the operation if not immediately available;
 - b. Time sensitive information, e.g., information that can affect the level of safety or delay the operation if not available in a short time period;
 - c. Frequently used information;
 - d. Reference information, e.g., information that is required for the operation but does not fall under b) or c) above; and
 - e. Information that can be grouped based on the phase of operation in which it is used.
- 3 Time critical information should be placed early and prominently in the flight safety documents system.
- 4 Time critical information, time sensitive information, and frequently used information should be placed in quick-reference guides.

- 5 The flight safety documents system should be validated before deployment, under realistic conditions. Validation should involve the critical aspects of the information use, in order to verify its effectiveness. Interactions among all groups that can occur during operations should also be included in the validation process.
- 6 A flight safety documents system should maintain consistency in terminology and in the use of standard terms for common items and actions.
- 7 Operational documents should include a glossary of terms, acronyms and their standard definition, updated on a regular basis to ensure access to the most recent terminology. All significant terms, acronyms and abbreviations included in the flight documents system should be defined.
- 8 A flight safety documents system should ensure standardization across document types, including writing style, terminology, use of graphics and symbols, and formatting across documents. This includes a consistent location of specific types of information, consistent use of units of measurement and consistent use of codes.
- 9 A flight safety document system needs to include a verification mechanism to ensure that, whenever a section of a document is amended, all other documents likely to be affected are identified and that consequential amendments are duly coordinated and agreed to by the responsible departments before the amendment is processed.

The principles of the Flight Safety Documentation System apply to the following documents as an example:



6. APPLICABILITY

- 1 Air operators who have yet to establish a flight safety document system should utilize the information contained in this GD in establishing such a system. Air operators who have established such a system should verify that the functionality of their system is in compliance with the concepts outlined in this GD. CAA inspectors will be conducting a review of the flight safety document system to ensure that it is effective in providing vital safety information to flight crew in a timely manner.

Signed by: (Appropriate CAA Official)

7.0 INFORMATION MANAGEMENT

(1) Not applicable.

8.0 DOCUMENT HISTORY

(1) Original issue

9.0 CONTACT OFFICE

Issued under the authority of:

H M C Nimalsiri
Director General of Civil Aviation
Civil Aviation Authority of Sri Lanka
sldgca@caa.lk

For more information, please contact:

Capt. G A Fernando
Head of Section Aircraft Operations
Civil Aviation Authority of Sri Lanka
hos@caa.lk
011 2358882

Suggestions for amendment to this document are invited, and should be submitted to:

Capt. Lucian Ratnayake
Senior Flight Operations Inspector
Civil Aviation Authority of Sri Lanka
sfoi@caa.lk
011 2358883