

Democratic Socialist Republic of Sri Lanka



Civil Aviation Authority of Sri Lanka

Implementing Standards

(Issued under Sec. 120, Civil Aviation Act No. 14 of 2010)

Title: Compliance with Annex – 1 - Chapter 4 , Personnel Licensing Requirements - Flight Operations Officer / Flight Dispatcher Licence

Reference No: IS-01-4.6

S.N: 049

Date: 29th March 2021

Pursuant to Sec. 120 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 Implementing Standards for the purpose of giving effect to any of the provisions of the Civil Aviation 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 Act.

Accordingly, I, being the Director General of Civil Aviation do hereby issue the Implementing Standards as mentioned in the Attachment hereto (Ref: IS-01-4.6-Att.01), for the purpose of giving effect to requirements contained in Chapter - 4 Flight Operations Officer/Flight Dispatcher, ICAO Annex 1- "Personnel Licensing" to the Chicago Convention and pursuant to Article 37 and to the Section 66 and 67 of Civil Aviation Act No.14 of 2010, and Civil Aviation (Licensing of Personnel and Training Institutions) Regulations No.01 of 2018.

This Implementing Standard shall come into force with immediate effect and remain in force unless revoked. This Implementing Standards will replace the Implementing Standards – 049 1st Edition, Rev 01, issued on 30th of January, 2020.

Attention is also drawn to Sec. 103 of the Civil Aviation Act No.14 of 2010, which states inter alia that failure to comply with Implementing Standard is an offence, further, if any Standard stipulated in this Implementing Standard is not complied with or violated, an appropriate enforcement action will be taken as per the Aviation Enforcement Policy and Procedures Manual, SLCAP 0005 by the Director General of Civil Aviation under Section 102 of the Civil Aviation Act No.14 of 2010.

Civil Aviation Authority of Sri Lanka
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Enclosure: Attachment No. IS-01-4.6-Att.01

Capt. Themiya Abeywickrama
Director General of Civil Aviation and
Chief Executive Officer

1. Notice to the Recipient

- 1.1. The requirements in this Implementing Standard are based on the Standards and Recommended Practices (SARPs) adopted by the International Civil Aviation Organization (ICAO) and incorporated in the Amendment No. 176 to Annex 01
- 1.2. In pursuance of the obligation cast under Article 38 of the Convention which requires the Contracting States to notify the ICAO of any differences between the national regulations of the States and practices and the International Standards contained in the respective Annex and any amendments thereto, the CAASL will be taking steps to notify ICAO of such differences relating to either a Standard or a Recommended Practice, if any. The CAASL will also keep the ICAO currently informed of any differences which may subsequently occur, or of the withdrawal of any differences previously notified. Furthermore, the CAASL will take steps for the publication of differences between the national regulations and practices and the related ICAO Standards and Recommended Practices through the Aeronautical Information Service, which is published in accordance with the provisions in the Annex-15 to the Convention.
- 1.3. Taking into account of the ICAO council resolution dated 13 April 1948 which invited the attention of Contracting States of the desirability of using in the State's national regulations, as far as is practicable, the precise language of those ICAO Standards that are of a regulatory character, to the greatest extent possible the CAASL has attempted to retain the ICAO texts in the Annex in drafting this Implementing Standard.
- 1.4. Status of ICAO Annex components in the Implementing Standard
Some of the components in an ICAO Annex are as follows and they have the status as indicated:
- 1.4.1. **Standard:** Any specification for physical characteristics, configuration, matériel, performance, personnel or procedure, the uniform application of which is recognized as necessary for the safety or regularity of international air navigation and to which Contracting States will conform in accordance with the Convention; in the event of impossibility of compliance, notification to the Council is compulsory under Article 38. The ICAO Standards are reflected in the Implementing Standards if they are locally implemented using the normal fonts and recipients are required to conform to such requirements invariably and the DGCA **will take appropriate enforcement action** when those requirements are not complied with.
- 1.4.2. **Recommended Practice:** Any specification for physical characteristics, configuration, matériel, performance, personnel or procedure, the uniform application of which is recognized as desirable in the interest of safety, regularity, efficiency or environmentally responsiveness of international air navigation, and to which Contracting States will endeavor to conform in accordance with the Convention. The ICAO Recommended Practices are reflected in the Implementing Standards in italic fonts and the Recipients are encouraged to implement them to the greatest extent possible. However, DGCA **will not take enforcement action** when a Recommended Practice is not satisfied by the recipient.
- 1.4.3. **Appendices:** Comprising material grouped separately for convenience but forming part of the Standards and Recommended Practices adopted by the Council. Enforcement action on such matters will be as in the case of Standards or Recommended Practices.
- 1.4.4. **Definitions:** A definition does not have independent status but is an essential part of each Standard and Recommended Practice in which the term is used, since a change in the meaning of the term would affect the specification.
- 1.4.5. **Tables and Figures :** add to or illustrate a Standard or Recommended Practice, and which are referred to therein, form part of the associated Standard or Recommended Practice and have the same status.

Record of Revision

Rev No	Rev Date	Entered by	Page No	Entered By
00	29/10/2015	DTOPL		
01	30/01/2020	DTOPL		
02	29/03/2021	DTOPL		

List of Effective Pages

Page No	Effective Date	Page No	Effective Date	Page No	Effective Date
1	29/03/2021				
2	29/03/2021				
3	29/03/2021				
4	29/03/2021				
5	29/03/2021				
6	29/03/2021				
7	29/03/2021				
8	29/03/2021				
9	29/03/2021				

History of Revision

Rev. No	Reference	Areas subjected to change	Effective Date
02	3.2, 3.3.4	Knowledge , Skill	29/03/2021

Implementing Standards

CAIS-049: Compliance with Annex – 1 - Chapter 4 , Personnel Licensing Requirements - Flight Operations Officer / Flight Dispatcher Licence

1. GENERAL:

- i.** Requirements contained in this document are based on the ICAO annex 1-“Personnel Licensing” Chapter 4 – Flight Operations Officer/ Flight Dispatcher Licence.
- ii.** This document supersedes the Implementing Standards (IS) – 049 1st Edition Rev 01 issued by the DGCA and IS – 049 1st Edition Rev 01 shall be treated as null and void.
- iii.** This document may be amended from time to time and the amendments will be reflected with the vertical line on the right side of the text.

2. APPLICABILITY:

The requirements contained in this document are applicable to any

- i.** Holder of Flight Operations Officer Licence and Applicants for Flight Operations Officer Licence.
- ii.** Holder or Applicant of a licence for Commercial Air Transport Operation.

1.0 Flight Operations Officer/ Flight Dispatcher Licence

2.0 Rules

- 2.1** A person shall not carry out duties of a Flight Operations Officer/ Flight Dispatcher as specified in para 6 of SLCAIS - 013 unless he holds a valid Flight Operations Officer/ Flight Dispatcher Licence issued by DGCA, Sri Lanka; maintains competency and meets the requirements for recent experience as specified in IS 019 on “Compliance to Annex-6-Part 1 – Chapter 10- Flight Operations Officer/ Flight Dispatcher” issued on 26th March 2018 as amended from time to time.
- 2.2** Issuance of continuing type of Flight Operations Officer/ Flight Dispatcher Licence (non-expiry type licence) to an applicant who meets the requirements in para 3.0 of this IS and employable for flight dispatching in an airline for commercial air transport operations with an approved method of control and supervision of flight operations.
- 2.3** The applicant for a Flight Operations Officer/ Flight Dispatcher Licence shall, before being issued with a licence
- I) meet such requirements in respect of age, knowledge, experience and skill as specified at paragraph 3.0.
 - II) demonstrate his/her knowledge, experience and skill as specified at paragraphs at 3.2, 3.3 and 3.4 of this IS.

3.0 Requirements for the issue of the licence

3.1 Age

The applicant shall be not less than 21 years of age.

3.2 Knowledge

The applicant shall have demonstrated at a written examination conducted by DGCA Sri Lanka at a level of knowledge appropriate to the privileges granted to the holder of a flight operations officer / flight dispatcher licence, in at least the following subjects:

Air law

- a) rules and regulations relevant for operational control and to the holder of a flight operations officer licence; appropriate air traffic services practices and procedures;

Aircraft general knowledge

- b) principles of operation of aeroplane powerplants, systems and instruments;
- c) operating limitations of aeroplanes and engines;
- d) minimum equipment list and configuration deviation list;

Flight performance calculation, planning procedures and loading

- e) effects of loading and mass distribution on aircraft performance and flight characteristics; mass and balance calculations;
- f) operational flight planning; fuel consumption and endurance calculations; alternate aerodrome selection procedures; en-route cruise control; extended range operation;

- g) take off performance including field length, climb and obstacle criteria and limitation;
- h) cruise performance including minimum altitudes, decompression/engine out/gear down scenario planning;
- i) landing performance including approach climb and field length criteria and limitations;
- j) preparation and filing of air traffic services flight plans;
- k) basic principles of computer-assisted planning systems;

Human performance

- l) human performance relevant to operational control duties, including principles of TEM);

Note: Guidance material to design training programmes on human performance including TEM can be found in the Human Factors Training Manual (Doc 9683).

Meteorology

- m) aeronautical meteorology; the movement of pressure systems; the structure of fronts, and the origin and characteristics of significant weather phenomena which affect take-off, en-route and landing conditions;
- n) interpretation and application of aeronautical meteorological reports, charts and forecasts; codes and abbreviations; use of, and procedures for obtaining, meteorological information;

Navigation

- o) principles of air navigation with particular reference to instrument flight;

Operational procedures

- p) use of aeronautical documentation and standard operating procedures;
- q) operational procedures for the carriage of freight and dangerous goods;
- r) procedures relating to aircraft accidents and incidents; emergency flight procedures;
- s) procedures relating to unlawful interference and sabotage of aircraft;

Principles of flight

- t) principles of flight relating to the appropriate category of aircraft;

Radio communication

- u) procedures for communicating with aircraft and relevant ground stations.

3.3 Experience

- 3.3.1** The applicant shall have furnished sufficient proof for that he has gained the following experience:

- a) a total of two years of service in any one or in any combination of the capacities specified in 1) to 3) inclusive, provided that in any combination of experience the period serviced in any capacity shall be at least one year:
- 1) a flight crew member in air transportation; or
 - 2) a meteorologist in an organization providing operational control to aircraft in air transportation; or
 - 3) an air traffic controller; or a technical supervisor of flight operations officers or air transportation flight operations systems;
- or
- b) at least one year as an assistant in the dispatching of air transport under supervision of a licensed dispatcher;
- or
- c) have satisfactorily completed a course of approved training.

3.3.2. The applicant shall have served under the supervision of a flight operation officer for at least 90 working days within the six (06) months immediately preceding the application.

3.3.3. Training

- a) The commercial air transport operators with an approved method of control and supervision for the purpose of training personnel for flight operations officers/flight dispatcher duties shall have developed a training course to suit the requirements of the airline and in compliance with the knowledge and experience requirements specified in para 3.0 of this IS and shall have the approval of DGCA Sri Lanka. The ICAO Doc 7192-part D – 3 shall be the guidance materials for the development of the training course.
- b) The applicant shall have successfully completed an approved flight operations officer/ flight dispatchers training course (ICAO 201 Course) in a training organization of a commercial air transport operator approved by DGCA Sri Lanka.

3.3.4 Skill

In accordance with Perpetual Licence Assessment Procedure Manual (SLCAP 3100), the applicant shall have demonstrated his / her ability to the DGCA:

- a) identify and to retrieve aeronautical data and other information relevant for the analysis of operational situations and risks;
- b) identify and evaluate the risk factors and the possible consequences for flight operations;
- c) identify and evaluate actions considering risk, the effect on flight safety and regularity of the operation;
- d) determine an appropriate course of action based on the responsibilities and policies described in the operation manuals;
- e) apply appropriate standard and non-standard procedures from the operations manual for the initiation, planning, continuation, diversion or termination of flights in the interest of safety of the aircraft and regularity and efficiency of the operation;
- f) make an accurate and operationally acceptable weather analysis; provide an operationally valid briefing on weather conditions of a specific air route; forecast

weather trends pertinent to air transportation with particular reference to destination and alternates;

- g) identify and apply operational limitations and minimums in relation to the weather, aircraft status and appropriate navigation procedures;
- h) determine the optimum flight path for a given segment, and create accurate manual and/or computer generated flight plans;
- i) provide operating supervision and all other assistance to a flight in actual or simulated adverse weather conditions, as appropriate to the duties of the holder of a flight operations officer licence; and
- j) recognize and manage threats and errors.

Note.— Guidance material on the application of threat and error management (TEM) is found in the Procedures for Air Navigation Services — Training (PANS-TRG, Doc 9868), Part II, Section I in Chapter 6, and in the Human Factors Training Manual (Doc 9683).

4.0 Privileges of the holder of the licence and the conditions to be observed in exercising such privileges

- 4.1** Subject to compliance with the requirements specified in 1.2.5 of IS - 050, the privileges of the holder of a flight operations officer licence shall be to serve in that capacity with responsibility for each area for which the applicant meets the requirements specified in IS 019.

5.0 Validation / Conversion

Validation or conversion of a Flight Operations Officer Licence / Flight Dispatcher Licence issued by another contracting state to Chicago Convention on International Civil Aviation will not be done.