Understanding Annex 19 SARPs and the use of

ICAO tools for successful implementation of SSP

SECOND AFI AVIATION SAFETY SYMPOSIUM

(20-21 May 2015, Maputo, Mozambique)

Annex 19, first edition

- Adopted by the Council
  - 25 February 2013

- Became effective
  - 15 July 2013

- Became applicable
  - 14 November 2013

Annex 19, first edition

- Consolidation of existing and overarching SARPS from Annexes 1, 6, 8, 11, 13 & 14

- Elevation of the four components of the SSP framework to a Standard

- State safety oversight provisions broadened to all service providers

- Safety data collection, analysis and exchange provisions transferred from Annex 13

- SMS framework now applies to the design and manufacture of aircraft

consolidation

new provisions

Annex 19 - Contents

- CHAPTER 1 – Definitions

- CHAPTER 2 – Applicability

- CHAPTER 3 – State safety management responsibilities

- CHAPTER 4 – Safety management system (SMS)

- CHAPTER 5 – Safety data collection, analysis and exchange

Annex 19 - Contents

- APPENDIX 1 –State safety oversight system

- APPENDIX 2 – SMS Framework

- ATTACHMENT A – SSP Framework

- ATTACHMENT B – Legal guidance for the protection of information from safety data collection and processing systems

→ CHAPTER 1 - Definitions

- Duplicated: *Accident, Aeroplane, Aircraft, Helicopter, Incident, Industry code of practice, Serious injury, State of Design, State of Manufacturer and State of the Operator, State safety programme*

- Slightly modified: *Incident, safety management system, operational personnel*

- New definitions: *Safety, Safety performance, Safety performance indicator, Safety performance target and Safety risk*

→ CHAPTER 2 - Applicability

- Safety management functions related to, or in direct support of, the safe operation of aircraft

→ CHAPTER 3 - State safety management responsibilities

– Consolidates existing Standards requiring States to establish an SSP, with the addition of the SSP Framework Components

– Acceptable level of safety **performance**

– Requirement for the implementation of SMS by service providers and general aviation operators as part of a State's SSP

– SMS framework applicable to aircraft design and manufacturing organizations

– New requirement for States to implement safety oversight systems

✈ CHAPTER 4 - Safety management system (SMS)

– SMS implementation by service providers in accordance with the SMS Framework

– SMS implementation by international general aviation operators appropriate to the size and complexity of the operation

– SMS to be acceptable to the relevant State, identifying the State responsible for acceptance

– Sector-specific SMS provisions retained in applicable Annexes

✈ CHAPTER 5 - Safety data collection, analysis and exchange

– transfer of provisions on safety data collection, analysis, protection and exchange from Annex 13, Chapter 8

– coordination between accident investigation and safety stakeholders

– accessibility to reporting systems by pertinent authorities to support safety responsibilities

– new requirement for the protection of safety management data

✈ APPENDIX 1 - State safety oversight system

– provisions developed from Appendix 5 to Annex 6 (Safety oversight of air operators) and Doc 9734 (Safety Oversight Manual)

✈ APPENDIX 2 - SMS Framework

– provisions were reformatted to improve readability

✈ ATTACHMENT A - SSP Framework

– components elevated to Standards (Chapter 3) with elements unchanged

✈ ATTACHMENT B – Legal Guidance for the Protection of Information from Safety Data Collection and Processing Systems

– duplicate of Attachment E to Annex 13

Annex 19 - Benefits

- Highlights the importance of safety management at the State level;

- Enhances safety by consolidating safety management provisions applicable to multiple aviation domains;

- Facilitates the evolution of safety management provisions;

- An opportunity to further promote the implementation of SMS and SSP provisions; and

- A process established to analyze feedback received regarding Annex 19 and safety management implementation.

Annex 19 - Implementation

- Third Edition, Doc 9859, was published on 8 May 2013
  - Restructured according to the SSP and SMS Frameworks (Annex 19)
  - Contains detailed guidance and tools for SSP and SMS implementation

Annex 19 - Implementation

- ICAO Safety Management Website:
  http://www.icao.int/Safety/SafetyManagement

- ICAO Safety Management I-Kit
  http://cfapp.icao.int/tools/SMikit/story.html

- SSP GAP Analysis
  https://portal.icao.int/space/Pages/SSP-Gap-Analysis.aspx

- Regional Aviation Safety Groups

Safety Management Training Programme

- Consistent and cost-effective methodology is necessary
- ICAO started the development of a new approach to teaching safety management
  - Updated with the latest Standards
  - Use of tools and exercises relevant to real-life scenarios and best practices

ICAO SAFETY

Course Structure

- A Standardized Training Package with blended learning approach: Online + Classroom

- Online − enables participants to receive homogeneous instruction on safety management

- Classroom activity − safety management concepts applied through a case study similar to the one they will face in the workplace

Course Objectives

This course will provide :

- personnel involved in SSP/SMS implementation with the knowledge, skills and attitudes to advocate SMS requirements and guidance material, as well as the acceptance/oversight of service providers' SMS.

- service providers' staff with the basic knowledge, skills and attitudes to implement, administer or participate in SMS operations.

Annex 19 – Future Work Items

- Development of guidance material to support SSP provisions

- Development of guidance material to support SMS provisions

- Development of coordinated emergency response plan provisions

- Enhanced provisions for the collection, analysis and exchange of safety data and safety information

- Further development of SMS and SSP implementation and assessment tools

- Extension of the applicability of the SMS provisions

- Enhance provisions for the integration of SMS and SSP activities

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