Africa Comprehensive Implementation Programme (ACIP)

State Safety Programme (SSP) Workshop
Information and outline

International Civil Aviation Organization

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ICAO AFI Regional Workshop on the implementation of a State Safety Programme (SSP)

Information and outline

Background

Safety management principles affect most activities of a civil aviation oversight authority, starting with rulemaking and policy development. Rather than pursuing the causes of the most recent accident, the State Safety Programme (SSP) rulemaking is based on comprehensive analyses of the State's aviation system. Regulations are based on identified hazards and analysis of the safety risks of the consequences of hazards. ICAO introduced the requirements for an SSP in Annex 6 — *Operation of Aircraft, Part I — International Commercial Air Transport — Aeroplanes, and Part III — International Operations — Helicopters,* Annex 11 — *Air Traffic Services*, and Annex 14 — *Aerodromes, Volume I — Aerodrome Design and Operations* in November 2006.

In developing the SSP requirements, it was anticipated that the safety management principles provide a conceptual platform for parallel development between the SSP by the State and the SMS by service providers. An SSP developed from, and based upon safety management principles becomes the bridge that closes a gap that would otherwise inevitably develop between the internal and external safety processes at the civil aviation oversight authority and the internal safety processes of service providers.

As part of the SSP, the State promulgates SMS requirements for service providers requiring providers to demonstrate their safety management capability up front, rather than waiting for accidents, incidents, or non-compliance with safety standards. This allows both the civil aviation oversight authority and service providers to get ahead of safety risks. SMS requirements under the SSP also provide a structured framework allowing the civil aviation oversight authority and service providers to interact more effectively in the resolution of safety concerns. In this way the shared, interactive nature of the civil aviation oversight authority SSP and service providers SMS comes to fruition.

Workshop goals

The goals of the ***ICAO AFI Regional Workshop on the implementation of a State Safety Programme (SSP)*** are to:

a) develop participants **knowledge** on the Standards and Recommended Practices (SARPs) related to the State Safety Programme (SSP), the ICAO SSP framework and its components, and related guidance material; and

b) provide **practical guidance** on key elements of an SSP, including a State's regulation for an SSP, the establishment of acceptable levels of safety performance, and an SSP implementation plan.

Target audience

Representatives from civil aviation authorities with responsibilities regarding the implementation of safety programmes, and the implementation and/or oversight of safety management systems, in the areas of aircraft operations, air traffic services, maintenance of aircraft and aerodrome operations.

Prerequisites

Participants must have basic technical aeronautical knowledge and a minimum of two years experience in flight operations (pilots, flight operation officers, cabin safety officers, etc.), air traffic control or aerodrome operations in a civil aviation administration or the aviation industry.

Class size

The maximum class size for this course is 36 persons.

Course duration

Three days for a total 18 classroom hours, including workshop activities.

References

- ➢ ICAO Annexes to the Convention on International Civil Aviation
    - o Annex 6 – *Aircraft operation*, *Parts I and III*
    - o Annex 11 – *Air Traffic Services*
    - o Annex 14 – *Aerodromes – Volume I — Aerodrome Design and Operations*
- ➢ ICAO Safety Management Manual (Doc 9859) – 2nd Edition 2008

Contact

- ➢ Captain Haile Belai, Chief, Africa Comprehensive Implementation Programme (C/ACIP) hbelai@icao.int

Training material

The instructional strategy will involve presentations and group work.

Course time table

Time	Wednesday 24 September 08	Thursday 25 September 08	Friday 26 September 08
08:30 – 09:00	**Module 1** *Introduction to the SSP Workshop*		
09:00 – 10:30	**Module 2** *ICAO SARPs related to the SSP*	**Module 4** *Acceptable level of safety performance*	**Module 6** *SSP training programme*
10:30 – 11:00	Coffee/Tea Break		
11:00 – 12:00	**Module 3** *ICAO SSP framework*	**Module 5** *Performance based regulations*	**Module 7** *SSP implementation plan*
12:00 – 13:00	Lunch Break		
13:00 – 15:00	**Workshop activities** *Development of guidance on a State's regulation for its SSP*	**Workshop activities** *Development of guidance on ALS and performance based regulations*	**Workshop activities** *Development of guidance on SSP implementation plan*
15:00 – 15:15	Coffee/Tea Break		
15:15 – 17:00	**Plenary session** *Review and discussion of workshop activities*	**Plenary session** *Review and discussion of workshop activities*	**Plenary session** *General review and closure of SSP workshop*

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SSP WORKSHOP MODULE CONTENTS

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Module 1 – *Introduction to the SSP Workshop*

Introduction

> ➢ Objectives of the module:
>> ❖ *To introduce ICAO workshop facilitators and participants. To introduce the workshop goals, concept, contents and structure.*

Main presentation

> ➢ Description of the module contents:
>> ❖ **Part I** – *Presentation of ICAO instructors and participants*
>> ❖ **Part II** – *Course goals, concepts, contents and structure*
>> ❖ **Part III** – *Administrative information*

Conclusion

> ➢ Summary
> ➢ Questions by participants.

Module 2 – *ICAO SARPs related to the SSP*

Introduction

> ➢ Objectives of the module:
>> ❖ *Review ICAO SARPs and related guidance material concerning the State Safety Programme (SSP). Introduce the relationship between the SSP and the State's safety oversight function. Consider the eight critical elements to be monitored by the safety oversight function within the overall SSP.*

Main presentation

> ➢ Description of the module contents:
>> ❖ The big picture
>> ❖ What is a State Safety Programme (SSP)?
>> ❖ What is an SMS?
>> ❖ Safety accountabilities
>> ❖ SSP/SMS relationships
>> ❖ ICAO/Contracting States shared responsibilities
>> ❖ State's safety oversight function
>> ❖ State's oversight responsibilities
>> ❖ Service providers responsibilities
>> ❖ Objectives of ICAO USOAP
>> ❖ The eight critical elements
>> ❖ Points to remember

Conclusion

> ➢ Discussion.

Module 3 – *ICAO SSP framework*

Introduction

> ➢ Objectives of the module:
>
> > ❖ *Describe the ICAO SSP framework, its components and elements as the means to implement the SSP. Explain the role of the SSP in supporting the implementation of SMS by service providers.*

Main presentation

> ➢ Description of the module contents:
>
> > ❖ SSP – ICAO requirements
> >
> > ❖ SSP development
> >
> > ❖ SSP components
> >
> > ❖ The bridge
> >
> > ❖ SMS requirements for service providers
> >
> > ❖ Safety management principles
> >
> > ❖ ICAO SSP framework
> >
> > ❖ Points to remember
> >
> > ❖ Workshop # 1 – Development of guidance on a State's regulation for its SSP

Conclusion

> ➢ **Workshop # 1** – *Development of guidance on a State's regulation for its SSP*
>
> ➢ Workshop results and feedback.

Module 4 – *Acceptable level of safety performance*

Introduction

> ➢ Objective of the module:
>
> > ❖ *Describe the concepts and metrics underlying the acceptable level(s) of safety performance (ALSP) of an SSP or an SMS.*

Main presentation

> ➢ Description of the module contents:
>
> > ❖ Performance-based regulatory environment
> >
> > ❖ Safety performance measurement
> >
> > ❖ Acceptable level(s) of safety performance (ALSP)

❖ Definitions

❖ Regulatory compliance

❖ Legal considerations

❖ Summary

❖ Points to remember

Conclusion

❯ Discussion.

Module 5 – *Performance based regulations*

Introduction

❯ Objective of the module:

❖ *Describe the concepts of prescriptive versus performance and the State's safety risk management and the State's safety assurance.*

Main presentation

❯ Description of the module contents:

❖ Prescriptive versus performance

❖ ICAO SSP framework

❖ SSP – State's safety risk management

❖ SSP – State's safety assurance

❖ The bridge – again

❖ Acceptable levels of safety performance – SMS and SSP

❖ Fixing the puzzle

Conclusion

❯ **Workshop # 2** – *Development of guidance on acceptable levels of safety performance (ALSP)*

❯ Workshop results and feedback

Module 6 – *SSP training programme*

Introduction

❯ Objectives of the module:

❖ *Describe the SSP training programme for CAA. Explain the SSP safety promotion component as the means to communicate SSP policies, objectives, processes and procedures, both internally and externally.*

Main presentation

❯ Description of the module contents:

❖ ICAO SMS framework

❖ Objective of the SSP training programme

- ❖ Rationale for the SSP training programme
- ❖ SSP safety promotion
- ❖ One of the eight critical elements
- ❖ SSP training programme
- ❖ Training documentation
- ❖ Safety communication
- ❖ Points to remember

Conclusion

- ➢ Discussion

Module 7 – *SSP implementation plan*

Introduction

- ➢ Objective of the module:
  - ❖ *Describe the contents of the SSP implementation plan, related deliverables and milestones.*

Main presentation

- ➢ Description of the module contents:
  - ❖ State's safety programme (SSP)
  - ❖ SSP implementation plan
  - ❖ ICAO SSP framework
  - ❖ State's safety policy and objectives
  - ❖ State's safety risk management
  - ❖ State's safety assurance
  - ❖ State's safety promotion
  - ❖ SSP implementation – Summary
  - ❖ A vision of the future – Integration
  - ❖ Points to remember

Conclusion

- ➢ **Workshop # 3** – *Development of guidance on SSP implementation plan.*
- ➢ Workshop results and feedback

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