

A comprehensive overview of a
State Safety Programme aimed at
enhancing aviation safety
management

5th Safety Summit
26th - 28th Nov 2024
Kuwait



The Importance of State Safety Programme

States can manage their safety activities in a more disciplined, integrative and focused manner

Proactively mitigate safety risks before they result in aviation accidents and incidents

SSP ensures compliance with international aviation safety standards, fostering a global approach to safety management in aviation.

Manage effectively resources for the optimal benefit of aviation safety

ICAO Safety Management Requirements

ICAO Requirements
Annex 19

States to implement a
State Safety Programme
(SSP)

Service providers to
implement Safety
Management Systems
(SMS)

SMS Obligations

States shall require that the following service providers under their authority implement an SMS.

Approved training organizations in accordance with Annex 1

Operators of aeroplanes or helicopters authorized to conduct international CAT

Approved maintenance organizations

Organizations responsible for the type design or manufacture of aircraft, engines or propellers

Air traffic services (ATS) providers

Operators of certified aerodromes

Functions of the State Safety Programme

Inputs

Accident Investigation Reports
Safety data and information
Mandatory and voluntary reports
Surveillance data and intelligence
Regional and National Safety Plans

SSP

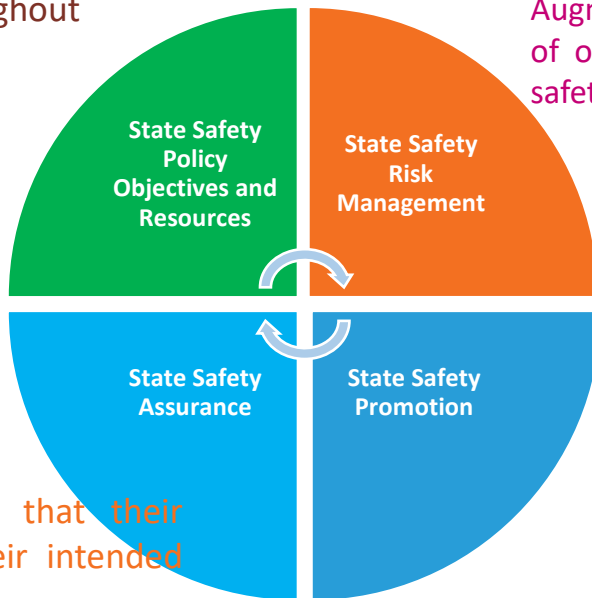
Outputs

State Safety Policy and Safety Objectives
Regulations and supporting guidance
Safety Promotion
Promotion of positive culture
Surveillance activities
National Aviation Safety Plan



SSP Structure

Defines how a State will manage and support safety throughout its aviation system

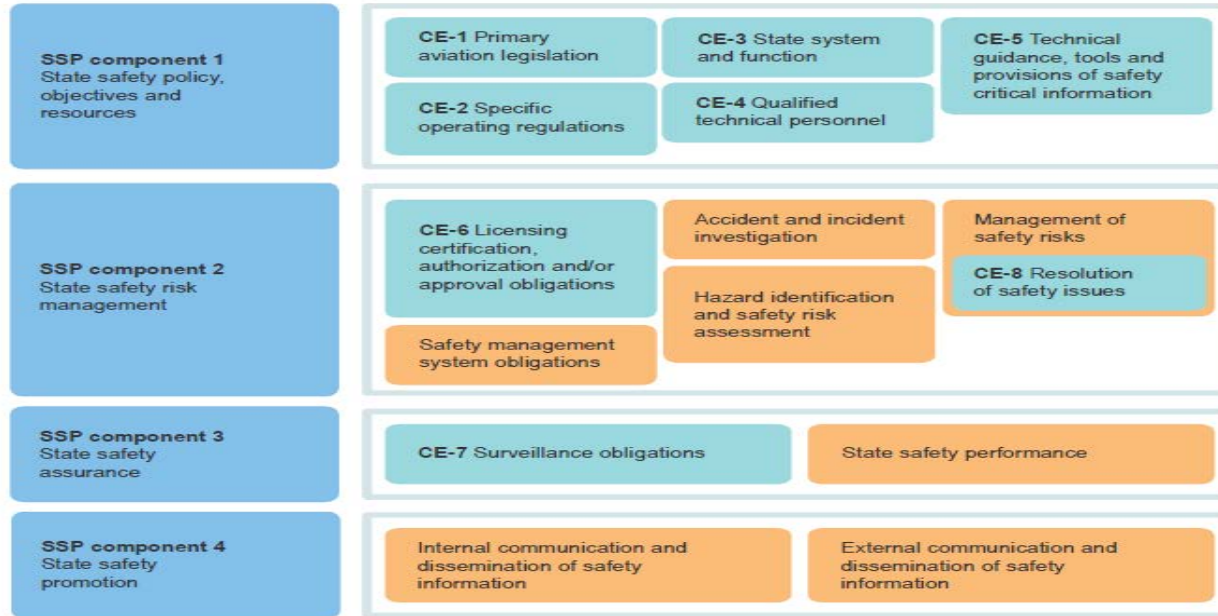


Augments reactive methods of analyzing the causes of occurrences with proactive processes to identify safety issues and mitigate potential safety risks

Aims to assure the State that their functions are achieving their intended safety objectives and targets

Internal and external communication of safety information to support the development of a positive safety culture

Critical elements of safety are incorporated in the four components of the SSP framework



Assigning Responsibilities for Effective Implementation

- Designation of the authority in charge of coordinating the establishment and maintenance of the SSP
- Define and document responsibilities and roles of the State authority in charge of coordinating the implementation and maintenance of the SSP.
- Define the roles and responsibilities related to the management of safety of each relevant State authorities



SSP Coordination Group

Senior Level

- SSP Board, Safety Review Board (SRB)

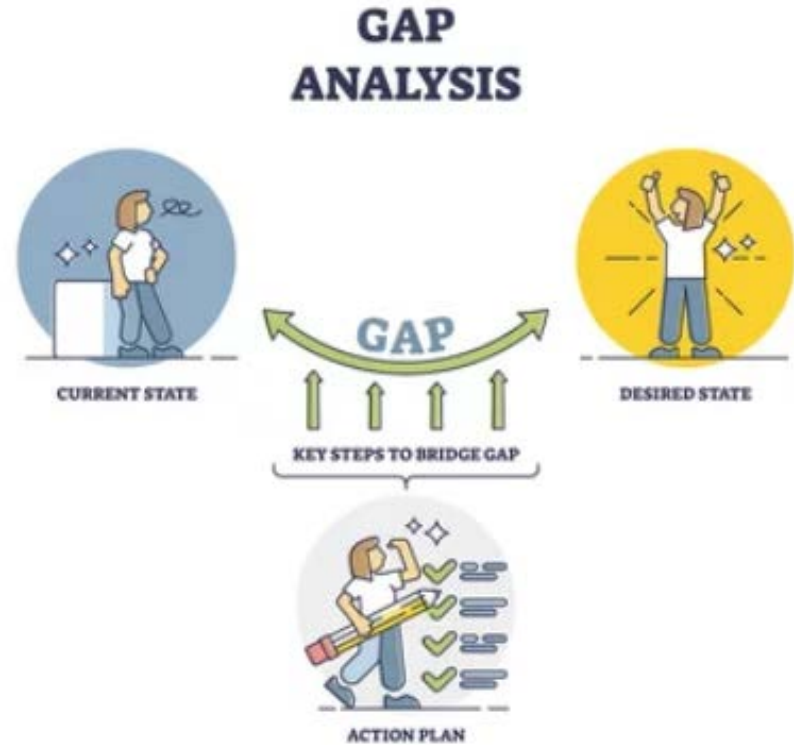
Working Level

- SSP Working Committee



SSP Gap Analysis

- be conducted **before** developing an SSP implementation plan
- aims to gain a **detailed understanding of the gap** between **the existing** State structures and processes, and those required for an effective SSP implementation in the State
- **reveals** that considerable safety management capability already exists
- The processes identified as requiring action **form the basis** of the SSP implementation plan.



Identify Competencies to achieve an effective SSP implementation

- **Training Needs Analysis (TNA)** is the process of identifying the differences that exist between actual and desired work performance
- TNA be conducted to **identify and address** the competencies required for effective implementation of SSP
- **Plan be established** to improve the capacity using the results of the TNA



Capacity Building

ensure all relevant technical staff are properly qualified, the State should:

- Develop **internal training policies and procedures**
- Develop an **SSP and SMS training Programme** for relevant staff
- **Priority** should be given to SSP-SMS implementation personnel and operational/field inspectors involved in service providers' SMS surveillance / monitoring



SSP Implementation Plan

- be based on the **outcomes of the Gap Analysis**
- aims to **progressively enhance** the existing State Safety Oversight and Safety Management processes
- **tasks are prioritized and documented in an action plan**
- guides the **State's journey toward effective SSP, and**
- **continuous improvement** of safety performance

	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Jan-20
RECURRENT SAFETY																						
Initiation / Model																						
Risk Based Navigation																						
INIT PROJECTS																						
Capability & Training	Review qualifications/numbers						FCI Course	A/N Type Trg/ Famli				Publish Ops Handbook			Ann 140/140/140 Trg	Change Mgt		Airport Cert				
Training / Safety Culture	Safety Culture Course						Review SSP Laws for Compliance with Annex 19, Plan Actions				HF Course		Benchmark Voluntary Reporting Schemes					Access Eurocontrol Safety Culture Survey				
Coaches / Scalability	Review range of SMS Approach						Standardize/Globalize/Small orgs				SMS for Training Orgs		Review ISAR Regs & SMS Criteria					Generate procedures/guidance		Promote best practice to IIRG		
Sts / Support RST	Review Airport Management Group Plan						RST Training in Risk Management (Kusani)					RST Review International RS Guidance						Track Runway Safety Data		Review performance and plan		
Non Risk	Consult GA Orgs						Start Voluntary Report Scheme				Analyse Risk Factors		Plan & Implement Actions					Review Pilot Trg / Entry Criteria		Access ET		
410 / M-20 Class A/C	Review 140/M-20 Accident Reports 2000						Determine Oversight Priorities				Plan Methods		Commence Schedule					Commence increased initial monitoring for introductory period				
Invest Actions	Improve Reg Updating Process						Determine 6th DPO				Improve Light A/C Classification		Improve A/C Register					Deconfliction of Regulations		Digital/Plastic Licenses		Review II
Implementation	Initiate English Translations						Restore CAC tasks from IAA				Delegate to Service Provider Staff		Live with A/C Reg States NAA					Review / Document New Processes				
W	File Gap Analysis, Close Actions						Establish SSP/OS/ST/Track SSP Actions				Amend SSP to Annex 19 Ed 2							Revised Risk Training & Process		Review AudSP, SPs and Targets		Assess SPs

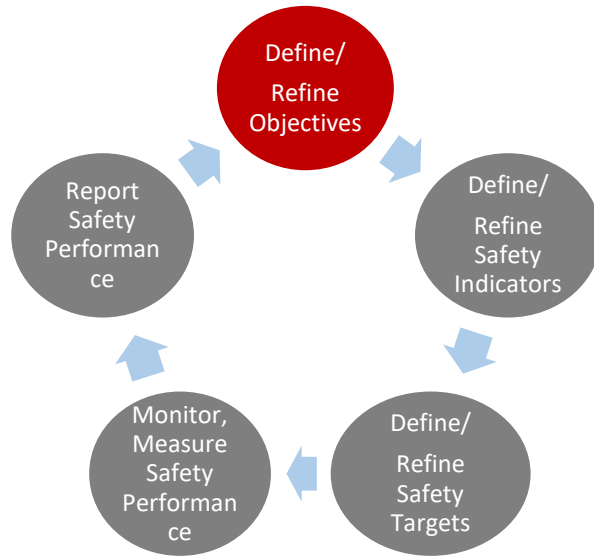
State Safety Policy

- **Formal document-** Describing the State's safety intentions and direction
- Projects **senior management's attitude to safety**
- Promotion of a **positive safety culture** in the State
- Should **address key practices** that are essential for safety management
- **Endorsed** by the State aviation authorities/agencies



- ❑ Should be published and reviewed periodically
- ❑ The commitment of senior management should be articulated in the State safety policy

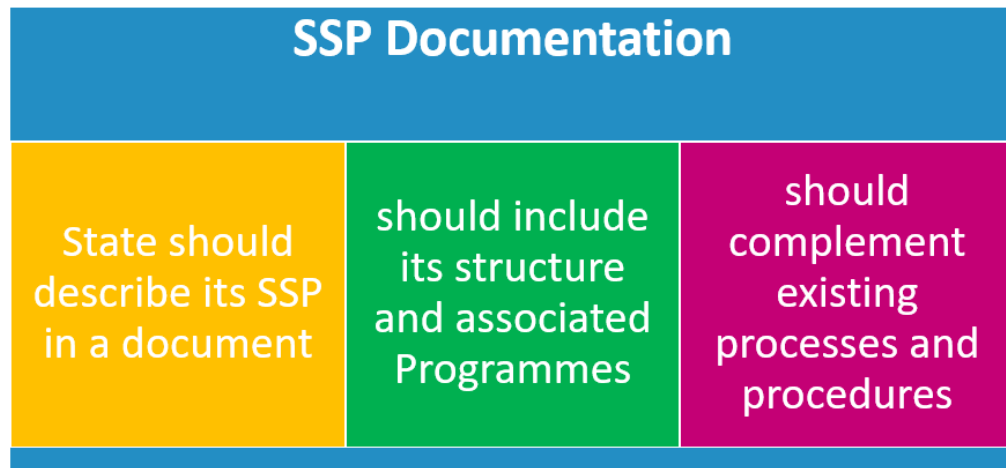
Defining State Safety Objectives



- Develop a clear risk picture for the State
- Safety objectives are brief, high-level statements of desired safety outcomes to be achieved by the SSP
- Provide direction for all relevant State agencies on the long-term goals regarding safety
- Provide a blueprint for directing the State's resources
- Represent the State priorities regarding the management of safety

SSP Documentation

- System description
- State safety Policy and objectives
- State safety performance indicators
- SSP Coordination Group meeting structure
- Safety intelligence strategy
- Process involved in developing the NASP
- State safety risk management Framework/Process
- The processes and procedures for oversight of SMS
- The means for safety promotion both internally and externally
- Process involved in developing training Programme



Global Aviation Safety Plan (GASP)

- The global framework for enhancing safety management is achieved through ICAO's GASP.
- Provides a strategic direction for the management of aviation safety at the regional and national level.
- An action plan to assist the aviation community in achieving the goals through a structured, common framework of reference for all relevant stakeholders



6 GASP Goals

1. Achieve continuous reduction of ops safety risks
2. Strengthen States' safety oversight capabilities
3. Implement effective State safety Programmes
4. Increase collaboration at regional level
5. Expand use of industry Programmes & **safety information sharing networks** by service providers
6. Ensure appropriate infrastructure is available to support safe ops



MID-RASP 2023-2025 Edition

The MID-RASP 2023-2025 Edition presents the **strategic direction** for the **management of aviation safety** at the regional level to:

- **Support effective** implementation of States' Safety Programmes (**SSP**) and Safety Management System (SMS) including the development of **NASP**
- **Strengthen States Safety Oversight capabilities**, and **risk-based approach** to managing safety
- Focus on MID Region **strategic safety priorities**: Organizational issues, operational safety risks, and emerging issues
- **Emphasize the commitment** of States, international organizations, and industry to aviation safety.

MID-RASP

MIDDLE EAST REGIONAL AVIATION SAFETY PLAN



Thank You

