Australia's State Aviation Safety Program

APRAST 6, Bangkok, April 2015 John Thynne, CSC, Manager Safety Systems Ofice





sate skies for

SSP

- State Safety Programme (ICAO)
- State Safety Program (Various states...)
- State Aviation Safety Program (Australia)
 - Department of Infrastructure and Regional Development has overall responsibility for managing Australia's SSP
 - Other players include
 - Australian Transport Safety Bureau (Accident Investigation Agency),
 - Airservices Australia (ANSP and ARFF Provider), and
 - Civil Aviation Safety Authority (Regulator)

SSP requirements

Current:

2014-2016 Global Aviation Safety Plan (GASP) Annex 19 – Safety Management (1st ed 2013)

Doc 9859 – Safety Management Manual (3rd ed 2013)

Previous:

Annex 1, 6,8,11,13 and 14

Doc 9859 – Safety Management Manual (2nd ed 2009)

2014-2016 Global Aviation Safety Plan (GASP)

The **mid-term** GASP objective is for all States that have not done so, to fully implement the SSP components no later than 2022. Additionally, RASGs should continue to mature with regional monitoring and safety management programmes.

In the **long term**, States will build upon safety management practices within the SSP to develop <u>predictive risk</u> controls necessary to support real-time collaborative decision-making processes that will become integral to future aviation systems. The objectives are sequenced to advance the implementation of SSP and SMS proactive safety management principles as a foundation for the introduction of predictive risk-modelling capabilities necessary to support the aviation systems of the future.

Safety information exchange initiatives at the safety management level include:

a) Support of safety management implementation. ICAO, States and industry support initiatives that propagate programmes to share information regarding proactive safety measures, best practices and lessons learned so as to facilitate and further enhance SSP and SMS implementation;

Safety management Standardization initiatives include:

a) Consistent implementation of State safety programmes.

> States implement the SSP in accordance with ICAO provisions and related guidance material to achieve acceptable levels of safety performance. This includes the application of risk management principles by establishing indicators and targets to determine acceptable levels of safety performance within their aviation systems;

Safety management collaboration initiatives include:

a) Coordination of regional safety management implementation programmes.

ICAO, States and industry support and promote collaborative initiatives intended to promote implementation of SSP and SMS including the development of <u>safety policies</u> as well as <u>safety</u> risk management, safety assurance and safety promotion activities;

Annex 19 (First Edition 2013)



CHAPTER 3. State safety management responsibilities

- 3.1 State safety programme (SSP).....
- 3.2 State safety oversight.....

CHAPTER 4. Safety management system (SMS).....

- 4.1 General
- International general aviation aeroplanes 4.2

CHAPTER 5. Safety data collection, analysis and exchange

- 5.1 Safety data collection.....
- 5.2 Safety data analysis.....
- Safety data protection 5.3 Safety information exchange
- 5.4

APPEN	DIX 1. State safety oversight system
1.	Primary aviation legislation
2.	Specific operating regulations
3.	State system and functions
4.	Qualified technical personnel
5.	Technical guidance, tools and provision of safety-critical information
6.	Licensing, certification, authorization and/or approval obligations
7.	Surveillance obligations
8.	Resolution of safety issues

APPENDIX 2. Framework for a safety management system (SMS).....

- 1. Safety policy and objectives 2 Safety risk management. 3. Safety assurance
 - 4 Safety promotion

ATTACH	MENT A. Framework for a State safety programme (SSP)	
1.	State safety policy and objectives	
2.	State safety risk management	
3.	State safety assurance	
4	State safety promotion	
	····· ,	

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

1.	Introduction
2.	General principles
3.	Principles of protection
4	Principles of exception
5.	Public disclosure
6	Responsibility of the custodian of safety information
7	Destantion of mounded information

Protection of recorded information.

First Editic July 2013

International Civil Aviation Organization

Safety Management

CIVIL AVIATION SAFETY AUTHORITY

Annex 19 (First Edition 2013) p. 3-1

3.1 State safety programme (SSP)

3.1.1 Each State shall establish an SSP for the management of safety in the State, in order to achieve an acceptable level of safety performance in civil aviation. The SSP shall include the following components:

- a) State safety policy and objectives;
- b) State safety risk management;
- c) State safety assurance; and
- d) State safety promotion.

Note 1.— The SSP established by the State is commensurate with the size and the complexity of its aviation activities.

Note 2.— A framework for the implementation and maintenance of an SSP is contained in Attachment A, and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).

3.1.2 The acceptable level of safety performance to be achieved shall be established by the State. Note: This was previously identified as ALoS (Acceptable level of Safety)

Note.— Guidance on defining an acceptable level of safety performance is contained in the Safety Management Manual (SMM) (Doc 9859).

Doc 9859 (Third edition 2013)

Chapter 4. State Safety Programme (SSP)

	4.1	Introduction
0* OACI - 44	4.2	SSP framework
Dec 9859 AN/474		SSP Component 1. State safety policy and objectives
The Martin State		SSP Element 1.1 State safety legislative framework
		SSP Element 1.2 State safety responsibilities and accountabilities
		SSP Element 1.3 Accident and incident investigation
		SSP Element 1.4 Enforcement policy
Sofoty Monogoment		SSP Component 2. State safety risk management
Safety Management		SSP Element 2.1 Safety requirements for the service provider's SMS
Manual (SMM)		SSP Element 2.2 Agreement on the service provider's safety performance
		SSP Component 3. State safety assurance
		SSP Element 3.1 Safety oversight
		SSP Element 3.2 Safety data collection, analysis and exchange
		SSP Element 3.3 Safety-data-driven targeting of oversight of areas of greater
		concern or need
Approved by the Secretary General and nublicited under his authority.		SSP Component 4. State safety promotion
and published under his authority		SSP Element 4.1 Internal training, communication and dissemination of
Third Edition - 2013		safety information
11110 Zaulon – 2013		SSP Element 4.2 External training, communication and dissemination of
International Civil Aviation Organization		safety information
, , , , , , , , , , , , , , , , , , ,	4.3	SSP implementation planning
		4.3.1 General
The SSP framework includes		4.3.2 Regulatory system description
the four components and its		4.3.3 Gap analysis
related eleven elements (1.x).		4.3.4 SSP implementation plan
. ,		4.3.5 Safety indicators
	4.4	SSP implementation — Phased approach
		Phase 1
		Phase 2
		Phase 3
		Phase 4

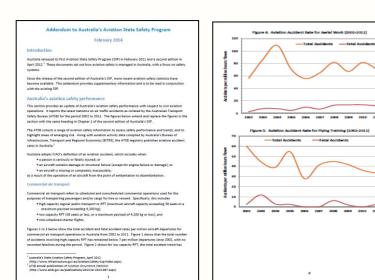
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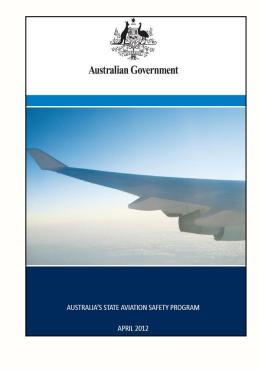
SSP Gap/Assessment tools

- ICAO SSP Gap Analysis Checklist and Implementation Plan [Doc 9859 3rd ed Appendix 7 to Chapter 4]
- SM ICG State Safety Program Assessment Tool
 - <u>http://www.skybrary.aero/index.php/SSP_Assessment_Tool</u>
 - v1.0 October 2014
- ICAO SPACE/iSTARS 2.0 SSP Gap Analysis Application Tool (link to USOAP CMA activities; wef: 1 January 2016)
 - <u>http://cfapp.icao.int/tools/SMikit/story_content/external_files/SSPGAPAnal ysis%20(2).pdf</u>

Australia's State Aviation Safety Program

- January 2011
- April 2012
- Addendum February 2014





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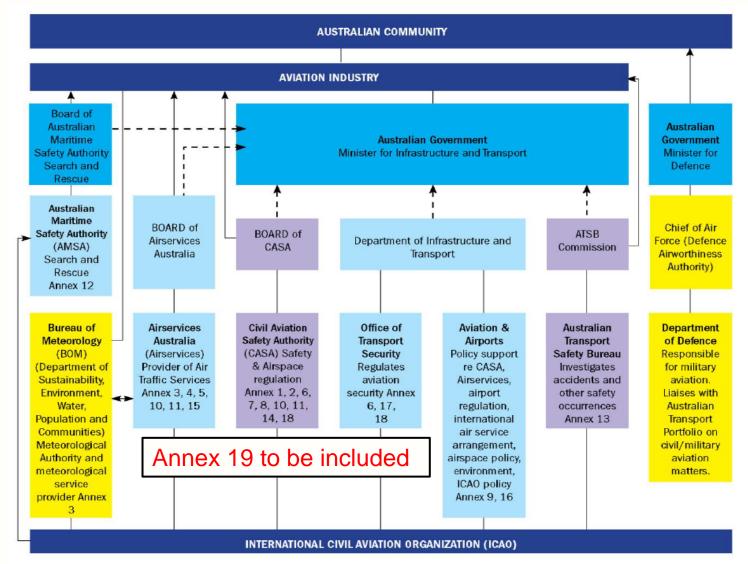


Figure 1.7: SSP Framework for the Australian Government's aviation system.

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Recent Developments

- 3 June 2014 Aviation Safety Regulation Review
 - Recommendation 1 The Australian Government develops the State Safety Program into a strategic plan for Australia's aviation safety system, under the leadership of the Aviation Policy Group, and uses it as the foundation for rationalising and improving coordination mechanisms
- 27 Feb 2015 CASA published Regulatory Safety Management Program (RSMP) v2.0

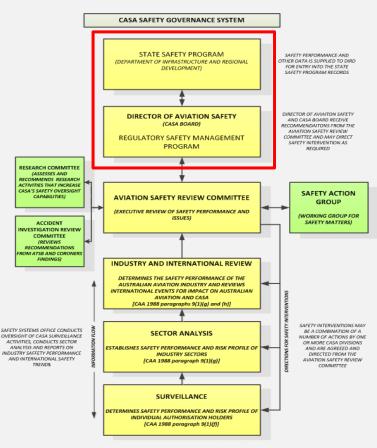
RSMP

The purpose of CASA's Regulatory Safety Management Program (RSMP) is to document the internal management program used by CASA to conduct its aviation safety activities and to provide further detail as to how it carries out the functions and responsibilities referred to in Australia's State Aviation Safety Program (SSP).

- Version 1.1 July 2011
- Version 2.0 February 2015

The RSMP contains:

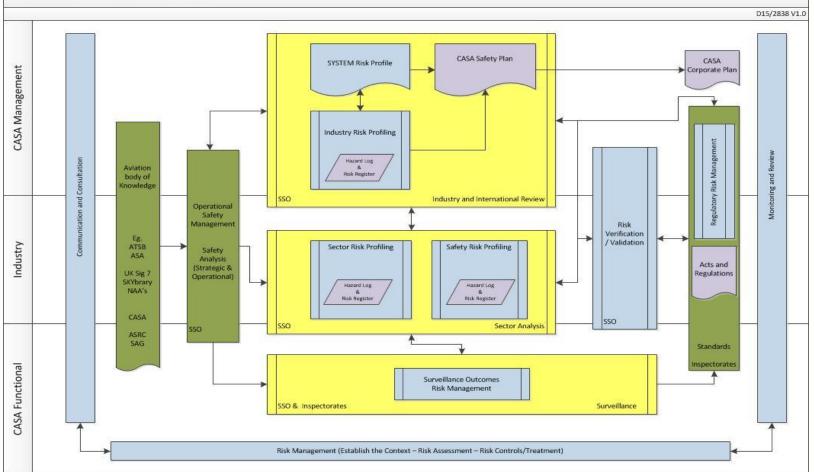
- 1. Introduction
- 2. Safety Policy and Objectives
- 3. Safety Risk Management
- 4. Safety Assurance
- 5. Safety Promotion



KNOWLEDGE AND INFORMATION MANAGEMENT SERVICES SUPPORTS THE SAFETY GOVERNANCE SYSTEM BY PROVIDING DATA AND INFORMATION AS REQUIRED THROUGHOUT THE PROCESS

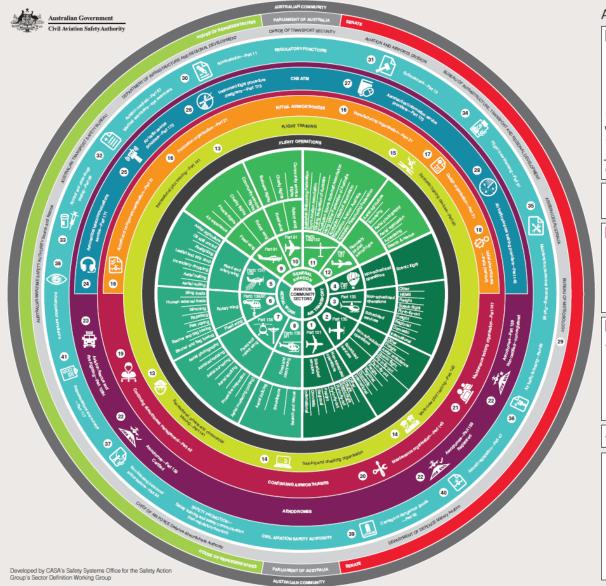
CASA Safety Risk Management



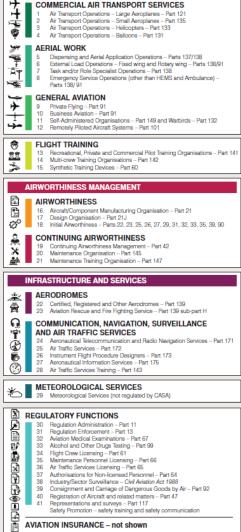


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Australia's Aviation Community Sectors



Australian aviation community sectors FLIGHT OPERATIONS COMMERCIAL AIR TRANSPORT SERVICES



AVIATION INSURANCE - not shown

QUESTIONS?

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