

			<b>FULL TEXT</b>		<b>DEFINITIONS</b>
<b>ANNEX 1</b>	<b>APPENDIX 2, APPROVED TRAINING ORGANIZATION</b> <i>(Chapter 1, 1.2.8.2 refers)</i> <i>[see para 4.1 on text column]</i>  <b>APPENDIX 4, FRAMEWORK FOR SMS</b> <i>[see full text]</i>	<b>ATTACHMENT C, FRAMEWORK FOR SSP</b> <b>[see full text]</b>	<p style="text-align: center;">1.2.8 Approved training and approved training organization</p> <p style="text-align: center;">...</p>	2010	<p><b>Safety management system.</b>  <i>A systematic approach to managing safety, including the necessary organizational structures, accountabilities, policies and procedures.</i></p> <p><b>State safety programme.</b>  <i>An integrated set of regulations and activities aimed at improving safety.</i></p>
			<p style="text-align: center;"><i>Editorial Note.— Insert “Applicable from 18 November 2010” as a caution to the proposed safety management provisions.</i></p> <p style="text-align: center;">1.2.8.2 The approval of a training organization by a State shall be dependent upon the applicant demonstrating compliance with the requirements of Appendix 2 and Appendix 4.</p> <p style="text-align: center;">...</p> <p style="text-align: center;"><b>CHAPTER 6. MEDICAL PROVISIONS FOR LICENSING</b></p> <p style="text-align: center;">...</p> <p style="text-align: center;"><i>Note 6.— Basic safety management principles, when applied to the medical assessment process, can help ensure that aeromedical resources are utilized effectively.</i></p> <p style="text-align: center;"><b>APPENDIX 2. APPROVED TRAINING ORGANIZATION</b>  <i>(Chapter 1, 1.2.8.2 refers)</i></p> <p style="text-align: center;">...</p> <p style="text-align: center;"><b>4. Safety management</b></p> <p style="text-align: center;">4.1 States shall require, as part of their State safety programme, that an approved training organization that is exposed to safety risks during the provision of its services implement a safety management system acceptable to the State that, as a minimum:</p> <ul style="list-style-type: none"> <li>a) identifies safety hazards;</li> <li>b) ensures the implementation of remedial action necessary to maintain agreed safety performance;</li> <li>c) provides for continuous monitoring and regular assessment of the safety performance; and</li> <li>d) aims at a continuous improvement of the overall performance of the safety management system.</li> </ul> <p style="text-align: center;"><i>Note.— Guidance on defining safety performance is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p style="text-align: center;">4.2 A safety management system shall clearly define lines of safety</p>		

accountability throughout the approved training organization, including a direct accountability for safety on the part of senior management.

*Note 1.— A framework for the implementation and maintenance of a State safety programme is contained in Attachment C.*

*Note 2.— The framework for the implementation and maintenance of a safety management system is contained in Appendix 4. Guidance on safety management systems is contained in the Safety Management Manual (SMM) (Doc 9859).*

## **5. Quality assurance system**

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*Editorial Note.— Renumber subsequent paragraphs.*

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*Insert new Appendix 4 as follows:*

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### **APPENDIX 4. FRAMEWORK FOR SAFETY MANAGEMENT SYSTEMS (SMS)**

*(Chapter 1, 1.2.8.2 refers)*

#### **Introduction**

This appendix specifies the framework for the implementation and maintenance of a safety management system (SMS) by an approved training organization. An SMS is a management system for the management of safety by an organization. The framework includes four components and twelve elements representing the minimum requirements for SMS implementation. The implementation of the framework shall be commensurate with the size of the organization and the complexity of the services provided. This appendix also includes a brief description of each element of the framework.

1. Safety policy and objectives
  - 1.1 – Management commitment and responsibility
  - 1.2 – Safety accountabilities
  - 1.3 – Appointment of key safety personnel
  - 1.4 – Coordination of emergency response planning
  - 1.5 – SMS documentation
2. Safety risk management
  - 2.1 – Hazard identification

			<p>2.2 – Safety risk assessment and mitigation</p> <p>3. Safety assurance</p> <p>3.1 – Safety performance monitoring and measurement</p> <p>3.2 – The management of change</p> <p>3.3 – Continuous improvement of the SMS</p> <p>4. Safety promotion</p> <p>4.1 – Training and education</p> <p>4.2 – Safety communication</p> <p style="text-align: center;"><b>1. Safety policy and objectives</b></p> <p style="text-align: center;">1.1 Management commitment and responsibility</p> <p>The approved training organization shall define the organization’s safety policy which shall be in accordance with international and national requirements, and which shall be signed by the accountable executive of the organization. The safety policy shall reflect organizational commitments regarding safety; shall include a clear statement about the provision of the necessary resources for the implementation of the safety policy; and shall be communicated, with visible endorsement, throughout the organization. The safety policy shall include the safety reporting procedures; shall clearly indicate which types of operational behaviours are unacceptable; and shall include the conditions under which exemption from disciplinary action would be applicable. The safety policy shall be periodically reviewed to ensure it remains relevant and appropriate to the organization.</p> <p style="text-align: center;">1.2 Safety accountabilities</p> <p>The approved training organization shall identify the accountable executive who, irrespective of other functions, shall have ultimate responsibility and accountability, on behalf of the approved training organization, for the implementation and maintenance of the SMS. The approved training organization shall also identify the accountabilities of all members of management, irrespective of other functions, as well as of employees, with respect to the safety performance of the SMS. Safety responsibilities, accountabilities and authorities shall be documented and communicated throughout the organization, and shall include a definition of the levels of management with authority to make decisions regarding safety risks tolerability.</p> <p style="text-align: center;">1.3 Appointment of key safety personnel</p> <p>The approved training organization shall identify a safety manager to be the responsible</p>		
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			<p>individual and focal point for the implementation and maintenance of an effective SMS.</p> <p style="text-align: center;">1.4 Coordination of emergency response planning</p> <p>The approved training organization shall ensure that an emergency response plan that provides for the orderly and efficient transition from normal to emergency operations and the return to normal operations, is properly coordinated with the emergency response plans of those organizations it must interface with during the provision of its services.</p> <p style="text-align: center;">1.5 SMS documentation</p> <p>The approved training organization shall develop an SMS implementation plan, endorsed by senior management of the organization, that defines the organization's approach to the management of safety in a manner that meets the organization's safety objectives, and maintain SMS documentation to describe the safety policy and objectives, the SMS requirements, the SMS processes and procedures, the accountabilities, responsibilities and authorities for processes and procedures, and the SMS outputs. Also as part of the SMS documentation, the approved training organization shall develop and maintain a safety management systems manual (SMSM), to communicate its approach to the management of safety throughout the organization.</p> <p style="text-align: center;"><b>2. Safety risk management</b></p> <p style="text-align: center;">2.1 Hazard identification</p> <p>The approved training organization shall develop and maintain a formal process that ensures that hazards in operations are identified. Hazard identification shall be based on a combination of reactive, proactive and predictive methods of safety data collection.</p> <p style="text-align: center;">2.2 Safety risk assessment and mitigation</p> <p>The approved training organization shall develop and maintain a formal process that ensures analysis, assessment and control of the safety risks in training operations.</p> <p style="text-align: center;"><b>3. Safety assurance</b></p> <p style="text-align: center;">3.1 Safety performance monitoring and measurement</p> <p>The approved training organization shall develop and maintain the means to verify the safety</p>		
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			<p>performance of the organization, and to validate the effectiveness of safety risks controls. The safety performance of the organization shall be verified in reference to the safety performance indicators and safety performance targets of the SMS.</p> <p style="text-align: center;">3.2 The management of change</p> <p>The approved training organization shall develop and maintain a formal process to identify changes within the organization which may affect established processes and services; to describe the arrangements to ensure safety performance before implementing changes; and to eliminate or modify safety risk controls that are no longer needed or effective due to changes in the operational environment.</p> <p style="text-align: center;">3.3 Continuous improvement of the SMS</p> <p>The approved training organization shall develop and maintain a formal process to identify the causes of sub-standard performance of the SMS, determine the implications of sub-standard performance of the SMS in operations, and eliminate or mitigate such causes.</p> <p style="text-align: center;"><b>4. Safety promotion</b></p> <p style="text-align: center;">4.1 Training and education</p> <p>The approved training organization shall develop and maintain a safety training programme that ensures that personnel are trained and competent to perform the SMS duties. The scope of the safety training shall be appropriate to each individual's involvement in the SMS.</p> <p style="text-align: center;">4.2 Safety communication</p> <p>The approved training organization shall develop and maintain formal means for safety communication that ensures that all personnel are fully aware of the SMS, conveys safety critical information, and explains why particular safety actions are taken and why safety procedures are introduced or changed.</p> <p style="text-align: center;">_____ End of new text. _____</p> <p>...</p> <p style="text-align: center;">_____ <i>Insert new Attachment C as follows:</i> _____</p>		
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**ATTACHMENT C. FRAMEWORK FOR THE  
STATE SAFETY PROGRAMME (SSP)**

**Introduction**

This attachment introduces a framework for the implementation and maintenance of a State safety programme (SSP) by a State. An SSP is a management system for the management of safety by the State. The framework contemplates four components and eleven elements, outlined hereunder. The implementation of an SSP is commensurate with the size and complexity of the State's aviation system, and may require coordination among multiple authorities responsible for individual element functions in the State. The SSP framework introduced in this attachment, and the safety management system (SMS) framework specified in Appendix 4 must be viewed as complementary, yet distinct frameworks. This attachment also includes a brief description of each element of the framework.

1. State safety policy and objectives
  - 1.1. State safety legislative framework
  - 1.2. State safety responsibilities and accountabilities
  - 1.3. Accident and incident investigation
  - 1.4. Enforcement policy
2. State safety risk management
  - 2.1. Safety requirements for service providers SMS
  - 2.2. Agreement on service providers safety performance
3. State safety assurance
  - 3.1. Safety oversight
  - 3.2. Safety data collection, analysis and exchange
  - 3.3. Safety data driven targeting of oversight on areas of greater concern or need
4. State safety promotion
  - 4.1. Internal training, communication and dissemination of safety information
  - 4.2. External training, communication and dissemination of safety information

*Note.— Within the context of this attachment the term “service provider” refers to any organization providing aviation services. The term includes approved training organizations that are exposed to safety risks during the provision of their services, aircraft operators, approved maintenance organizations, organizations responsible for type design and/or manufacture of aircraft, air traffic services providers and certified aerodromes, as applicable.*

			<p style="text-align: center;"><b>1. State safety policy and objectives</b></p> <p style="text-align: center;">1.1 State safety legislative framework</p> <p>The State has promulgated a national safety legislative framework and specific regulations in compliance with international and national standards, that define how the State will conduct the management of safety in the State. This includes the participation of the State aviation organizations in specific activities related to the management of safety in the State, and the establishment of the roles, responsibilities, and relationships of such organizations. The safety legislative framework and specific regulations are periodically reviewed to ensure they remain relevant and appropriate to the State.</p> <p style="text-align: center;">1.2 State safety responsibilities and accountabilities</p> <p>The State has identified, defined and documented the requirements, responsibilities and accountabilities regarding the establishment and maintenance of the SSP. This includes the directives to plan, organize, develop, maintain, control and continuously improve the SSP in a manner that meets the State’s safety objectives. It also includes a clear statement about the provision of the necessary resources for the implementation of the SSP.</p> <p style="text-align: center;">1.3 Accident and incident investigation</p> <p>The State has established an independent accident and incident investigation process, the sole objective of which is the prevention of accidents and incidents, and not the apportioning of blame or liability. Such investigations are in support of the management of safety in the State. In the operation of the SSP, the State maintains the independence of the accident and incident investigation organization from other State aviation organizations.</p> <p style="text-align: center;">1.4 Enforcement policy</p> <p>The State has promulgated an enforcement policy that establishes the conditions and circumstances under which service providers are allowed to deal with, and resolve, events involving certain safety deviations internally, within the context of the service provider safety management system (SMS), and to the satisfaction of the appropriate State authority. The enforcement policy also establishes the conditions and circumstances under which to deal with safety deviations through established enforcement procedures.</p> <p style="text-align: center;"><b>2. State safety risk management</b></p>		
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			<p style="text-align: center;">2.1 Safety requirements for service providers SMS</p> <p>The State has established the controls which govern how service providers will identify hazards and manage safety risks. These include the requirements, specific operating regulations and implementation policies for service providers SMS. The requirements, specific operating regulations and implementation policies are periodically reviewed to ensure they remain relevant and appropriate to the service providers.</p> <p style="text-align: center;">2.2 Agreement on service providers safety performance</p> <p>The State has agreed with individual service providers on the safety performance of their SMS. The agreed safety performance of individual service providers SMS is periodically reviewed to ensure it remains relevant and appropriate to the service providers.</p> <p style="text-align: center;"><b>3. State safety assurance</b></p> <p style="text-align: center;">3.1 Safety oversight</p> <p>The State has established mechanisms to ensure an effective monitoring of the eight critical elements of safety oversight function. The State has also established mechanisms to ensure that the identification of hazards and the management of safety risks by service providers follow established regulatory controls (requirements, specific operating regulations and implementation policies). These mechanisms include inspections, audits and surveys to ensure that regulatory safety risk controls are appropriately integrated into the service providers SMS, that they are being practiced as designed, and that the regulatory controls have the intended effect on safety risks.</p> <p style="text-align: center;">3.2 Safety data collection, analysis and exchange</p> <p>The State has established mechanisms to ensure the capture and storage of data on hazards and safety risks at both an individual and aggregate State’s level. The State has also established mechanisms to develop information from the stored data, and to actively exchange safety information with service providers and/or other States as appropriate.</p> <p style="text-align: center;">3.3 Safety data driven targeting of oversight on areas of greater concern or need</p> <p>The State has established procedures to prioritize inspections, audits and surveys towards those areas of greater safety concern or need, as identified by the analysis of data on hazards, their</p>		
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			<p>consequences in operations, and the assessed safety risks.</p> <p style="text-align: center;"><b>4. State safety promotion</b></p> <p style="text-align: center;">4.1 Internal training, communication and dissemination of safety information</p> <p>The State provides training and fosters awareness and two-way communication of safety relevant information to support, within the State aviation organizations, the development of an organizational culture that fosters an effective and efficient SSP.</p> <p style="text-align: center;">4.2 External training, communication and dissemination of safety information</p> <p>The State provides education and promotes awareness of safety risks and two-way communication of safety relevant information, to support among service providers the development of an organizational culture that fosters an effective and efficient SMS.</p> <p style="text-align: center;">----- End of new text. -----</p> <p style="text-align: center;">-----</p>		
<p><b>ANNEX 6 Part I</b></p>	<p><b>APPENDIX 7. FRAMEWORK FOR SMS</b></p>	<p><b>ATTACHMENT J, FRAMEWORK FOR SSP</b></p>	<p style="text-align: center;">----- <i>Editorial Note.— Insert “Applicable from 18 November 2010” as a caution to the proposed safety management provisions.</i> -----</p> <p style="text-align: center;"><b>CHAPTER 3. GENERAL</b></p> <p style="text-align: center;">...</p> <p style="text-align: center;"><b>3.3 Safety management</b></p> <p>3.3.1 States shall establish a State safety programme in order to achieve an acceptable level of safety in civil aviation.</p> <p><i>Note.— A framework for the implementation and maintenance of a State safety programme is contained in Attachment J and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p>	<p>2010</p>	

3.3.2 The acceptable level of safety to be achieved shall be established by the State.

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

3.3.3 States shall require, as part of their State safety programme, that an operator implement a safety management system acceptable to the State of the Operator that, as a minimum:

- a) identifies safety hazards;
- b) ensures the implementation of remedial action necessary to maintain agreed safety performance;
- c) provides for continuous monitoring and regular assessment of the safety performance; and
- d) aims at a continuous improvement of the overall performance of the safety management system.

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

3.3.4 A safety management system shall clearly define lines of safety accountability throughout the operator's organization, including a direct accountability for safety on the part of senior management.

*Note.— The framework for the implementation and maintenance of a safety management system is contained in Appendix 7. Guidance on safety management systems is contained in the Safety Management Manual (SMM) (Doc 9859).*

*Editorial note.— Insert "Applicable from 18 November 2010" as a caution to the proposed safety management provisions.*

## CHAPTER 8. AEROPLANE MAINTENANCE

...

### 8.7 Approved maintenance organization

...

#### 8.7.3 Safety management

8.7.3.1 States shall establish a State safety programme in order to achieve an acceptable level of safety in civil aviation.

*Note.— A framework for the implementation and maintenance of a State safety*

programme is contained in Attachment J and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).

8.7.3.2 The acceptable level of safety to be achieved shall be established by the State.

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

8.7.3.3 States shall require, as part of their State safety programme, that a maintenance organization implement a safety management system acceptable to the State that, as a minimum:

- a) identifies safety hazards;
- b) ensures the implementation of remedial action necessary to maintain agreed safety performance;
- c) provides for continuous monitoring and regular assessment of the safety performance; and
- d) aims at a continuous improvement of the overall performance of the safety management system.

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

8.7.3.4 A safety management system shall clearly define lines of safety accountability throughout a maintenance organization, including a direct accountability for safety on the part of senior management.

*Note.*— The framework for the implementation and maintenance of a safety management system is contained in Appendix 7. Guidance on safety management systems is contained in the Safety Management Manual (SMM) (Doc 9859).

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## APPENDIX 2. ORGANIZATION AND CONTENTS OF AN OPERATIONS MANUAL

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*Editorial Note.*— Insert “Applicable from 18 November 2010” as a caution to the proposed safety management provisions.

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2.1.34 Details of the safety management system (SMS) provided in accordance with Chapter 3, 3.3.3.

*Editorial Note.*— Insert “Applicable from 18 November 2010” as a caution to the proposed

			safety management provisions.			
ANNEX 6, P III	APPENDIX 4 FRAMEWORK FOR SMS	ATTACHMENT J FRAMEWORK SSP	<p><i>Editorial Note.— Insert “Applicable from 18 November 2010” as a caution to the proposed safety management provisions.</i></p> <hr/> <p style="text-align: center;"><b>SECTION II</b> <b>INTERNATIONAL COMMERCIAL AIR TRANSPORT</b></p> <p style="text-align: center;">...</p> <p style="text-align: center;"><b>CHAPTER 1. GENERAL</b></p> <p style="text-align: center;">...</p> <p style="text-align: center;"><b>1.3 Safety management</b></p> <p>1.3.1 States shall establish a State safety programme in order to achieve an acceptable level of safety in civil aviation.</p> <p><i>Note.— A framework for the implementation and maintenance of a State safety programme is contained in Attachment J and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>1.3.2 The acceptable level of safety to be achieved shall be established by the State.</p> <p><i>Note.— Guidance on defining acceptable level of safety is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>1.3.3 States shall require, as part of their State safety programme, that an operator implement a safety management system acceptable to the State of the Operator that, as a minimum:</p> <ul style="list-style-type: none"> <li>a) identifies safety hazards;</li> <li>b) ensures the implementation of remedial action necessary to maintain an agreed safety performance;</li> <li>c) provides for continuous monitoring and regular assessment of the safety performance; and</li> <li>d) aims at a continuous improvement of the overall performance of the safety</li> </ul>	2010		

management system.

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

**1.3.4** A safety management system shall clearly define lines of safety accountability throughout the operator's organization, including a direct accountability for safety on the part of senior management.

*Note.— The framework for the implementation and maintenance of a safety management system is contained in Appendix 4. Guidance on safety management systems is contained in the Safety Management Manual (SMM) (Doc 9859).*

**1.3.5 Recommendation.—** An operator of a helicopter of a certified take-off mass in excess of 7 000 kg or having a passenger seating configuration of more than 9 and fitted with a flight data recorder should establish and maintain a flight data analysis programme as part of its safety management system.

*Note.— An operator may contract the operation of a flight data analysis programme to another party while retaining overall responsibility for the maintenance of such a programme.*

**1.3.6** A flight data analysis programme shall be non-punitive and contain adequate safeguards to protect the source(s) of the data.

*Note 1.— Guidance on flight data analysis programmes is contained in the Safety Management Manual (SMM) (Doc 9858).*

*Note 2.— Legal guidance for the protection of information from safety data collection and processing systems is contained in Annex 13, Attachment E.*

**1.3.7** An operator shall establish a flight safety documents system, for the use and guidance of operational personnel, as part of its safety management system.

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*Editorial Note.—* Insert "Applicable from 18 November 2010" as a caution to the proposed safety management provisions.

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## **ATTACHMENT H. CONTENTS OF AN OPERATIONS MANUAL**

*Supplementary to Section II, Chapter 2, 2.2.2.1*

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### **2. Contents**

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			<p style="text-align: center;">2.1 General</p> <p>...</p> <p style="text-align: center;">2.1.27 Details of the <b>safety management system (SMS)</b> provided in accordance with Section II, Chapter 1, <b>1.3.3</b>.</p> <p>...</p>			
<b>ANNEX 8, Part II</b>		<b>ATTACHMENT A, FRAMEWORK FOR SSP</b>	<p style="text-align: center;"><b>PART II. PROCEDURES FOR CERTIFICATION AND CONTINUING AIRWORTHINESS</b></p> <p>...</p> <hr style="width: 20%; margin: auto;"/> <p style="text-align: center;"><i>Insert new Chapter 5 as follows:</i></p> <hr style="width: 20%; margin: auto;"/> <p style="text-align: center;"><b>CHAPTER 5. SAFETY MANAGEMENT</b></p> <p style="text-align: center;"><i>Applicable from 18 November 2010</i></p> <p>5.1 States shall establish a State safety programme in order to achieve an acceptable level of safety in civil aviation.</p> <p style="text-align: center;"><i>Note.— A framework for the implementation and maintenance of a State safety programme is contained in Attachment A and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>5.2 The acceptable level of safety to be achieved shall be established by the State.</p> <p style="text-align: center;"><i>Note.— Guidance on acceptable levels of safety is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p style="text-align: center;"><i>Applicable from 14 November 2013</i></p> <p>5.3 A State of design or manufacture shall require, as part of its State safety programme, that an organization responsible for the type design or manufacture of aircraft implement a safety management system acceptable to the State that, as a minimum:</p> <ul style="list-style-type: none"> <li>a) identifies safety hazards</li> <li>b) ensures the implementation of remedial action necessary to maintain agreed safety performance;</li> <li>c) provides for continuous monitoring and regular assessment of the safety</li> </ul>	2010	2010	2013

			<p>performance; and</p> <p>d) aims at a continuous improvement of the overall performance of the safety management system.</p> <p><i>Note.— Guidance on defining safety performance is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>5.4 A safety management system shall clearly define lines of safety accountability throughout the organization responsible for the type design or manufacture of aircraft, including a direct accountability for safety on the part of senior management.</p> <hr/> <p style="text-align: center;">End of new text.</p> <hr/>			
ANNEX 11	APPENDIX 6, FRAMEWORK FOR SMS	ATTACHMENT D, FRAMEWORK FOR SSP	<p style="text-align: center;"><b>2.27 Safety management</b></p> <p>2.27.1 States shall establish a <b>State</b> safety programme, in order to achieve an acceptable level of safety in <b>civil aviation</b>.</p> <p><i>Note.— A framework for the implementation and maintenance of a State safety programme is contained in Attachment D and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>2.27.2 The acceptable level of safety to be achieved shall be established by the State.</p> <p><i>Note.— Guidance on defining acceptable level of safety is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>2.27.3 States shall require, as part of their <b>State</b> safety programme, that an air traffic services provider implements a safety management system acceptable to the State that, as a minimum:</p> <p>a) identifies safety hazards;</p> <p>b) ensures the <b>implementation of</b> remedial action necessary to maintain <b>agreed</b> safety performance;</p> <p>c) provides for continuous monitoring and regular assessment of the safety performance; and</p>	2010		

			<p>d) aims at a continuous improvement of the overall performance of the safety management system.</p> <p><i>Note.— Guidance on defining safety performance is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>2.27.4 A safety management system shall clearly define lines of safety accountability throughout the air traffic services provider, including a direct accountability for safety on the part of senior management.</p> <p><i>Note 1.— The framework for the implementation and maintenance of a safety management system is contained in Appendix 6. Guidance on safety management systems is contained in the Safety Management Manual (SMM) (Doc 9859), and associated procedures are contained in the PANS-ATM (Doc 4444).</i></p> <p><i>Note 2.— The provision of AIS, CNS, MET, and/or SAR services, when under the authority of an ATS provider, are subject to the requirements of paragraphs 2.27.3 and 2.27.4. When the provision of AIS, CNS, MET, and/or SAR services are wholly or partially provided by an entity other than an ATS provider, the requirements under 2.27.3 and 2.27.4 relate to the services that come under the authority of the ATS provider, or those aspects of the services with direct operational implications.</i></p>		
ANNEX 13		ATTACHMENT F, FRAMEWORK FOR SSP	<p style="text-align: center;"><b>CHAPTER 3. GENERAL</b></p> <p>...</p> <p style="text-align: center;"><b>OBJECTIVE OF THE INVESTIGATION</b></p> <p>...</p> <hr/> <p><i>Editorial note.— Insert “Applicable from 18 November 2010” as a caution to the proposed safety management provisions.</i></p> <hr/> <p style="text-align: center;"><b>STATE SAFETY PROGRAMME</b></p> <p>3.2 States shall establish a State safety programme, in order to achieve an acceptable level of safety in civil aviation.</p> <p><i>Note.— A framework for the implementation and maintenance of a State safety programme is contained in Attachment F and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <hr/> <p><i>Editorial note.— Renumber subsequent paragraphs accordingly.</i></p> <p><i>Editorial note.— Insert “Applicable from 18 November 2010” as a caution to the proposed safety management</i></p>	2010	



provisions.

## CHAPTER 8. ACCIDENT PREVENTION MEASURES

*Note.*— *The objective of these specifications is to promote accident prevention by collection and analysis of safety data and by a prompt exchange of safety information, as part of the State safety programme.*

### **Incident reporting systems**

8.1 A State shall establish a mandatory incident reporting system to facilitate collection of information on actual or potential safety deficiencies.

8.2 A State shall establish a voluntary incident reporting system to facilitate collection of information on actual or potential safety deficiencies that may not be captured by the mandatory incident reporting system.

*Note.*— *States are encouraged to establish other safety data collection and processing systems to collect safety information that may not be captured by the incident reporting systems mentioned in 8.1 and 8.2 above.*

8.3 A voluntary incident reporting system shall be non-punitive and afford protection to the sources of the information.

...

### **Database systems and analysis — Preventive actions**

8.4 A State shall establish an accident and incident database to facilitate the effective analysis of information on actual or potential safety deficiencies obtained and therein contained, including that from its incident reporting systems, and to determine any preventive actions required.

...

*Note 3.*— *Additional information on which to base preventive actions may be contained in the Final Reports on investigated accidents and incidents.*

8.6 **Recommendation.**— *A State should, following the identification of preventive actions required to address actual or potential safety deficiencies, implement these actions and establish a process to monitor implementation and effectiveness of the responses.*

3.2 States shall establish a State safety programme, in order to achieve an acceptable level of

			<p>safety in civil aviation</p> <p>8.2 A State shall establish a voluntary incident reporting system to facilitate the collection of information that may not be captured by a mandatory incident reporting system.</p> <p>8.4 A State shall establish an accident and incident database to facilitate the effective analysis of information obtained, including that from its incident reporting systems.</p> <p>8.7 <b>Recommendation.</b>— <i>A State should, following the identification of preventive actions required and as part of its safety programme, establish relevant responses and processes to monitor implementation and effectiveness of the responses.</i></p>			
ANNEX 14	APPENDIX 7 FRAMEWORK FOR SMS	ATTACHMENT C, FRAMEWORK FOR SSP	<div style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p><i>Editorial note.</i>— Insert “Applicable from 18 November 2010” as a caution to the proposed SMS provisions</p> </div> <p style="text-align: center;"><b>1.5 Safety management</b></p> <p>1.5.1 States shall establish a State safety programme in order to achieve an acceptable level of safety in civil aviation.</p> <p><i>Note.</i>— <i>A framework for the implementation and maintenance of a State safety programme is contained in Attachment C and guidance on a State safety programme is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>1.5.2 The acceptable level of safety to be achieved shall be established by the State.</p> <p><i>Note.</i>— <i>Guidance on defining acceptable level of safety is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p> <p>1.5.3 States shall require, as part of their State safety programme, that a certified aerodrome implements a safety management system acceptable to the State that, as a minimum:</p> <ol style="list-style-type: none"> <li>a) identifies safety hazards;</li> <li>b) ensures the implementation of remedial action necessary to maintain agreed safety performance;</li> <li>c) provides for continuous monitoring and regular assessment of the safety performance; and</li> <li>d) aims at a continuous improvement of the overall performance of the safety management system.</li> </ol> <p><i>Note.</i>— <i>Guidance on defining safety performance is contained in the Safety Management Manual (SMM) (Doc 9859).</i></p>	2010		

			<p>1.5.4 A safety management system shall clearly define lines of safety accountability throughout a certified aerodrome, including a direct accountability for safety on the part of senior management.</p> <p><i>Note.— The framework for the implementation and maintenance of a safety management system is contained in Appendix 7. Guidance on safety management systems is contained in the Safety Management Manual (SMM) (Doc 9859), and in the Manual on Certification of Aerodromes (Doc 9774).</i></p>			
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