

CAR/SAM Regional Guidance Material on Air Traffic Services Quality Assurance Programmes

CAR/SAM Air Traffic Services Quality Assurance Programmes
Seminar

South American Regional Office

CAR/SAM Air Traffic Services Quality Assurance Programmes Seminar
(Lima, Perú, 15 to 18 october 2002)



INTERNATIONAL CIVIL AVIATION ORGANIZATION

SOUTH AMERICAN REGIONAL OFFICE

CAR/SAM REGIONAL GUIDANCE MATERIAL ON

AIR TRAFFIC SERVICES

QUALITY ASSURANCE PROGRAMMES

Chapter 10

Version 1.0

November 2001

**CAR/SAM Air Traffic Services Quality Assurance Programmes Seminar
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ATS Safety Management

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Chapter 10. ATS Safety Management

“This material is extracted from Amendment No. 40 to Annex 11 and Amendment No. 4 to PANS-ATM Doc. 4444, both applicable on 1 November 2001”



Chapter 10. ATS Safety Management

■ Introduction

- States implement systematic and appropriate ATS safety management programmes to ensure that safety is maintained in the provision of ATS within airspaces and at aerodromes by 27 November 2003
- ATS safety management programmes
 - Provide for regular monitoring and assessment of safety level achieved
 - Identify potential hazards and determine the need for remedial action
 - Ensure that remedial action necessary to maintain an acceptable level of safety is implemented



Chapter 10. ATS Safety Management

- Objectives of ATS safety and capacity management
 - Ensure established ATS level of safety is met within an airspace or aerodrome
 - Safety-related enhancements are implemented
 - ATS capacities conforming to actual needs – as far as practicable and subject to safety considerations
 - Facilitate efficiency and economy in aircraft operations through use of flexible airspace



Chapter 10. ATS Safety Management

- **ATS safety management activities**
 - **Monitoring overall safety levels and detection of any adverse trend**
 - **Safety reviews of ATS units**
 - **Safety assessments**
 - **Airspace re-organizations**
 - **New or changed ATS procedures**
 - **Establish need for safety enhancing measures**
 - **Review ATS capacities**
 - **Traffic demands, balancing capacity and traffic demands**
 - **Flexible use of airspace**
 - **Gain capacity and efficiency**



Chapter 10. ATS Safety Management

- **Monitoring of safety levels**
 - Periodically collect and review safety related data to evaluate level of safety achieved in ATS and to detect any adverse trends
- **Safety reviews**
 - Conduct safety reviews of ATS units on a regular basis
 - Safety review topics include:
 - **Regulatory issues**
 - **Operational and technical issues**
 - **Licensing and training issues**



Chapter 10. ATS Safety Management

- **Safety Assessments**
 - Need for safety assessments
 - Acceptable level of safety
 - Safety-significant factors
- **Need for safety-enhancing measures**
- **Reviews of airspace and ATC capacity**
- **Capacity assessments**
- **Regulation of ATC capacity and traffic volumes**
- **Enhancements to ATC capacity**
- **Flexible use of airspace**



THE END

THANK YOU