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**Agenda Item 2:           ATM Developments**  
**2.4       Follow-up on Implementation Programmes Related to Air Traffic  
Services (ATS) Safety Management**

**OUTLOOK OF THE REQUIRED ACTIVITIES FOR THE IMPLEMENTATION OF AN ATS SAFETY  
MANAGEMENT SYSTEM**

(Presented by the Secretariat)

<p style="text-align: center;"><b>SUMMARY</b></p> <p>This working paper presents a regional outlook of the activities required to carry out the implementation of an ATS safety management system.</p>
<p style="text-align: center;"><b>REFERENCES</b></p> <ul style="list-style-type: none"><li>• Annex 11</li><li>• Doc 9859 - <i>Safety Management Manual (SMM)</i></li><li>• Doc 9574 - <i>Manual on implementation of a 300 m (1 000 ft) vertical separation minimum between FL 290 and FL 410 inclusive</i></li></ul>
<p>Strategic Objective: A</p>

**1.           Background**

1.1           ICAO, with regard to its strategic objective A: *Safety* and key activity A8, fosters activities for the implementation of the Safety Management System (SMS), as a response to Recommendation 2/2 of the DGAC/06 Conference held from 20-22 March in Montreal, Canada. With this aim, a 2006-2009 SMS training courses programme has been developed by ICAO in collaboration with the CAR and NAM States.

**2           Analysis**

2.1           Annex 11 requires that States implement a safety programme and ATS providers shall also implement a safety management system accepted by the State that, as a minimum:

- Identifies safety hazards;
- Ensures that remedial action necessary to maintain an acceptable level of safety is implemented;

- Provides for continuous monitoring and regular assessment of the safety level achieved; and,
- Aims to make continuous improvement to the overall level of safety.

2.2 An accepted 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.

2.3 Also, any significant safety-related change to the ATS system, including the implementation of a reduced separation minimum or a new procedure, shall only be effected after a safety assessment has demonstrated that an acceptable level of safety will be met and users have been consulted. When appropriate, due to the nature of the change, the acceptable level of safety cannot be expressed in quantitative terms, the safety assessment may rely on operational judgment.

2.4 Guidance material on safety programmes and on defining acceptable levels of safety is contained in Doc 9859 - *Safety Management Manual (SMM)*. These provisions are related to the risk management and mitigation measures, to eliminate the potential hazard or to reduce the risk in terms of probability or severity. This methodology has been adopted by GREPECAS to assist States and ICAO for the evaluation and classification of Deficiencies posted in GANDD web page.

2.5 Doc 9574 provides guidance material to ensure that the target level of safety (TLS) established for RVSM is continuously met.

2.6 Based on ICAO SMS training programme, it has been detected the necessity to implement programs on Runway safety (incursions), Bird hazard prevention, Language Proficiency, Normal Operations Safety Surveys (NOSS), and safety performance monitoring and measurement to verify that the defined level of safety is met and to continue improvements of the safety system.

2.7 Other challenges CAR Region are the use of electronic accident and incident reporting systems (ECCAIRS) to ensure quality assurance element for Safety data collection, analysis and Exchange of safety information, and training and education programmes for safety personnel to conduct safety oversight duties.

2.8 ICAO NACC Office has developed an activities programme to assist in the regional implementation of an ATS safety management system. States should consider participating at these activities for the harmonised implementation of SMS with ATS Quality Assurance Programmes developed by the States/Territories/International Organizations of the CAR Region.

### **3 Suggested Action**

3.1 The Meeting is invited to:

- a) review the information of this paper;
- b) to foster training and participation of experts at SMS implementation activities; and
- c) recommend other actions as deemed appropriate.

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