

ELEVENTH AIR NAVIGATION CONFERENCE

Montreal, 22 September to 3 October 2003

Agenda Item 3: Air traffic management (ATM) performance targets for safety, efficiency and regularity and the role of required total system performance (RTSP) in this respect

3.1 Performance targets for ATM

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PERFORMANCE REQUIREMENTS FOR COMMUNICATIONS, NAVIGATION AND SURVEILLANCE

(Presented by Colombia)

SUMMARY

This paper explains the need to determine in a regional manner the minimum requirements for communications, navigation and surveillance (CNS) and air traffic management (ATM) in order to be able to facilitate the implementation of the ATM operational concept and to achieve its objectives.

Action by the conference is in paragraph 4.

1. INTRODUCTION

1.1 The global nature of aviation requires that improvements to the system be implemented in a harmonious manner by all the States of a region or otherwise the anticipated benefits are simply not achieved.

2. DISCUSSION

2.1 In establishing minimum separation between aircraft, one implicitly determines the capacity and efficiency of the airspace. The individual efforts of States to meet the CNS or ATM performance requirements will be unsuccessful in achieving the objectives of users and the optimum use of airspace.

2.2 It is therefore necessary for there to be homogeneity in the level of services and infrastructure to ensure the interoperability and implementation of the seamless ATM concept.

3. **CONCLUSION**

3.1 Regional air navigation plans (ANPs) will be the instruments that allow the homogeneous development of world aviation. It is therefore desirable that on the basis of regional agreements, minimum values be established for RCP, RSP, RASP and RNP to be included in the respective ANPs, thus ensuring minimum levels of safety and efficiency.

4. **ACTION BY THE CONFERENCE**

4.1 The conference is invited to agree on the following recommendation:

THAT ICAO study the possibility of recommending to the PIRGs the establishment of minimum levels of performance for communications, navigation and surveillance for their region in order to ensure the safety, interoperability and implementation of the seamless global ATM concept.

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