

INTERNATIONAL CIVIL AVIATION ORGANIZATION
EIGHTH MEETING OF CIVIL AVIATION AUTHORITIES OF THE SAM REGION
(RAAC/8)

(Buenos Aires, Argentina, 23-25 April 2003)

Agenda Item 8: Other business

**IMPROVEMENT OF AIRSPACE CONTROL THROUGH THE USE OF LOCALLY-
MANUFACTURED EN-ROUTE MONOPULSE RADARS**

(presented by Argentina)

Summary

This working paper informs civil aviation authorities about the action taken by the Command of Air Regions to improve airspace control through the acquisition of monopulse radars.

1. Introduction

1.1 Within the framework of international agreements, our country is in the process of reaching the goals that will allow the aeronautical activity achieve technological integration at a global level.

1.2 This requires state-of-the-art technology, which at present, given the economic situation, is not easy to access. Following a thorough analysis and in order to honour the aforementioned agreements, the Command of Air Regions has begun the installation of radars to make airspace control more effective and safe, using equipment that offers a high level of reliability, availability and integrity.

1.3 Consequently, the Command of Air Regions is in the process of acquiring locally-manufactured monopulse secondary radars for en-route control, capable of integrating radar data.

2. Analysis

2.1 The basic requirements for the implementation of the aforementioned project are the following:

- meet all the standards and recommendations of the International Civil Aviation Organization (ICAO) (Manual of the Secondary Surveillance Radar Systems and Annex 10 for secondary air traffic control radars)
- meet the technical specifications of the National Radar Implementation Plan (PNR).

2.2 Activities will be carried out according to the following timetable:

- Estimated time to the implementation of the first radar: 24 months as of the signing of the contract.
- Future deliveries: after the first radar, one every six months.
- Total estimated time for project completion: seven years

3. **Conclusion**

3.1 With the implementation of the en-route monopulse radar installation project, the quality of airspace control is substantially improved, thus completing one of the stages of the National Radar Implementation Plan.

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