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**International Civil Aviation Organization
South American Regional Office**

**THIRD WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP (SAM/IG/3)
REGIONAL PROJECT RLA/06/901**

Lima, Peru, 20-24 April 2009

**Agenda Item 7: Operational implementation of New Automated ATM systems and
Integration of Existing Ones**

(Presented by José Pastoriza-Uruguay)

Summary
Operational implementation of new automated ATM systems and integration of existing ones
References:
- SAMIG 2 Attachment 1 to Appendix B Short-Term En-Route PBN Action Plan (RNAV-5) Item 5

1 Background

1.1 The incorporation of new technologies and their implementation in benefit of safety, efficiency and efficacy requires that air traffic services keep pace with this evolution.

1.2 All this evolution means that the controller must take into account an increasing number of parameters for performing his/her tasks, thus requiring ATM system automation for verification and monitoring purposes.

1.3 Many systems already exist in the region with various degrees of automation, which should be assessed to see what upgrades are necessary or whether a simple change in parameters is enough to achieve the intended goal.

2 **Discussion**

2.1 It is necessary to identify the best way of quickly and effectively integrating existing systems for the exchange of radar data in a first instance.

2.2 It is absolutely necessary to coordinate the optimisation of the current exchange of EST messages through the AFTN, thus reducing the need for coordination among the ACCs involved.

2.3 A data exchange system must be defined for a more effective and complete interconnection of adjacent ACCs.

3. **Suggested action**

3.1 Identify points of reference between adjacent ACCs for a fluid coordination of radar information exchange.

3.2 Assess the current exchange of EST messages through the AFTN, to adjust it to the needs of each ACC.

3.3 Based on the reality of the Region in terms of data exchange between adjacent ACCs, define the system to be used to this end, with a view to joint implementation.

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