



SAM/IG/2
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**INTERNATIONAL CIVIL AVIATION ORGANIZATION
South American Regional Office**

**SECOND WORKSHOP/MEETING OF THE SAM IMPLEMENTATION GROUP
(SAM/IG/2) REGIONAL PROJECT RLA/06/901**

Lima, Perú, 3 to 7 November 2008

**Agenda Item 2: Implementation of performance-based navigation (PBN) in the
SAM Region**

**ROUTES REORGANIZATION OR NEW ROUTES IMPLEMENTATION
BASED ON PBN CONCEPT ANALYSIS**

(Paper presented by Uruguay)

Summary
This working paper has the objective to propose to the Meeting a new task within the Framework of Project RLA/06/901 tending to the reorganization of routes network or the implementation of new routes, as necessary, based on the analysis of the PBN concept
References: <ul style="list-style-type: none">• Report of the SAM/IG/1 Meeting, PBN Action Plan, Airspace Structure, Task 2.3
ICAO Strategic objectives Strategic Objective A: <i>Safety</i> Strategic Objective C: <i>Environmental Protection</i> Strategic Objective D: <i>Efficiency</i>

1. Background

1.1 During SAM/IG/1 Meeting held in Lima, Peru, from 21 to 25 April 2008, the Meeting was informed about the need to reorganize routes network or to implement new routes based on the PBN concept analysis, as necessary while implementing Task 2.3 of PBN Action Plan for the SAM Region.

2. Analysis

2.1 The task entrusted to the States will result in a complicated range of coordinations and changes that can affect even more the complex plot of routes presently for operation.

2.2 In this regard, it is necessary to reconsider the assignment of this task and analyse the convenience to assign this task to a reduced group of experts within Project RLA/06/901, in order to develop the optimization of superior airspace in the SAM Region, taking into account the principal air traffic flows.

2.3 This group of experts should analyse the convenience of a new Routes Network (a.i. trunk routes), the convenience of separating a block of the superior airspace between FL 290 and FL 410 or above, or to apply optimization to the whole superior airspace of the SAM Region.

2.4 On the other hand, it should also be taken into account its connection and harmonization with the present CAR routes.

2.5 Additionally, States will be entrusted with the task of ensuring connectivity of SIDs/STARs necessary for joining these trunk routes with their principal airports.

3. Suggested action

3.1 The Meeting is requested to study in an ad-hoc group the possibility of carrying out the optimization of the Routes Network in the superior airspace within Project RLA/06/901 framework, assigning this task to a reduced group of experts that would count with the collaboration and support of the SAM Regional Office, and a modern logic support use for direct routes.