



AP/ATM/11
WP/11
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**International Civil Aviation Organization
South American Regional Office**

**ELEVENTH MEETING/WORKSHOP OF ATM AUTHORITIES AND PLANNERS IN
THE CAR/SAM REGIONS
(AP/ATM/11)**

(Lima, Peru, 28 to 30 September 2005)

**Agenda Item 2: RNAV/RNP issues related with the ATC Operations Working
Group (ATC/WG)**

**SID/STAR and Instrument Approach Procedures RNAV/RNP Implementation
in the CAR/SAM Regions**

(Presented by Peru)

Summary

This Working Paper presents the need of the CAR/SAM Civil Aviation Administrations includes in their National Plans the implementation of RNAV/RNP SID/STAR and Instrument Approach.

References

- PANS/OPS – Aircraft Operations - Doc. 8168, Vol. II, Construction of Instrument and Visual Flight Procedures, of ICAO.

1. Background

During the CAR/SAM RNAV routes implementation process, which have been successfully developed under the support of Project RLA/98/003, it has been identified the need of the RNAV SID/STAR implementation which will allow the connection between start/end airports, as well as the intermediate airports, corresponding to the trajectories of such RNAV routes.

1.1 Nevertheless, in accordance with the available information, there are few Civil Aviation Administrations of the CAR/SAM Regions which have implemented RNAV SID/STAR in their corresponding Terminal Control Areas that allow the link with RNAV routes already implemented.

1.2 Likewise, although it was not initially identified the need of the connection of such RNAV SID/STAR with RNAV and/or RNP Instrument Approach Procedures, there are few administrations that have implemented it.

2. Analysis

2.1. The PANS/OPS – Aircraft Operations - Doc. 8168, Vol. II, development of instrument and visual flight procedures, of ICAO, contains the current criteria of obstacle clearance in order to design RNAV and RNP Instrument Approach and SID/STAR procedures.

2.2. Keeping in mind the above, and with the aim of accomplishing with the objective to establish an integral and harmonious RNAV and RNP implementation during all the flight phases, it would be convenient that the CAR/SAM Regions Administrations consider the convenience of including the corresponding RNAV/RNP SID/STAR and Instrument Approach Procedures Implementation in their National Plans, in accordance with their particular needs and objectives.

3. Action suggested

3.1. The meeting is requested to take note about the information provided in this Working Paper and, in case of considering it convenient, to approve the following conclusion:

Conclusion AP/ATM/11/XX RNAV/RNP instrument approach and SID/STAR procedures Implementation

That, the Civil Aviation Administrations of the CAR/SAM Regions that have not yet do it, consider the corresponding RNAV/RNP Instrument Approach and SID/STAR procedures Implementation in their National Plan, in accordance with their particular needs and objectives.