



AP/ATM/5
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**International Civil Aviation Organization
UNDP/ICAO Regional Project RLA/98/003
Transition to the CNS/ATM Systems in the CAR and SAM Regions**

**Fifth Meeting/workshop of Air Traffic Management (ATM) Authorities and
Planners for RVSM, RNAV routes and RNP implementation in the CAR and SAM Regions
(AP/ATM/5 RVSM-RNAV-RNP)**

(Panama, Panama, 18 to 20 June 2003)

Agenda Item 1: Review of the RNAV routes Implementation Program.

Needs for SIDs and STARs on the new implemented RNAV routes

(Presented by IATA)

Summary

This working paper states the need of implementing SIDs and STARs connecting the recently implemented RNAV routes with existing intermediate airports.

1. The recently implemented RNAV routes were designed keeping in mind the connection between two end airports, as well as intermediate airports within the route course. Thereby, other city pairs may be incorporated to the route for full advantage.
2. To achieve full incorporation of intermediate airports into the route, SIDs and STARs are necessary. Some of these intermediate airports may have been served from the RNAV route without SIDs and STARs. However, it is not practical for the pilot neither for the controllers, to proceed without proper planning from/to en route airports. In most cases it is necessary to have SID and STAR to issue operational and ATC flight plan. Some airlines are unable to use those airports for a new RNAV route due to lack of these procedures.
3. Therefore, it is necessary to incorporate SIDs or STARs to connect intermediate airports within a new RNAV route. In some instances, SID or STAR are necessary, in other cases, it may be resolved by adding a new transition to the existing SID or the STAR. IATA will contact separately each CAA to provide possible solutions.
4. This working paper requests the States to the incorporation of SIDs and STARs to the following airports:

Lima – Callao, Jorge Chavez Intl:
SID and STAR connecting north segment of UL780
Guayaquil – Simon Bolivar Intl
SID and STAR connecting north segment of UL780
SID and STAR connecting south segment of UL780

Panama City – Tocumen Intl
SID and STAR connecting north segment of UL780
SID and STAR connecting south segment of UL780

Manaus - Eduardo Gomez Intl
SID connecting north segment of UL795

Barranquilla – Ernesto Cortissoz
SID and STAR connecting north segment of UL417

San Jose – Juan Santamaria Intl
SID and STAR connecting north segment of UL655

Managua – Managua Intl
Since URPOS has SID and STAR, include URPUS as a fix of UL655

San Salvador – El Salvador Intl
SID and STAR north segment UL655

Guatemala City – La Aurora Intl
SID and STAR north segment UL655

San Pedro Sula – La Mesa Intl
SID and STAR north segment UL471

5. **Action Requested**

5.1 States concerned are requested to implement SIDs and STARs in the airports listed.