

Agenda Item 4: Review of project objectives

4.1 Background of Project RLA/98/003 “Transition to CNS/ATM Systems in the CAR/SAM Regions”

4.1.1 Under this agenda item, the secretariat presented a working paper with the background of the conception of project RLA/98/003 going back to the tenth air navigation conference, where the need for more information in developing regions was recognized and it was necessary to assist these regions with ICAO technical cooperation projects and other ICAO units.

4.1.2 To solve this situation, the Fifth Meeting of Civil Aviation Authorities of the South American Region (RACC/5) considered the establishment of a technical cooperation framework with a view to support the States in the identification and resolution of the problems they may confront in the development of their CNS/ATM national plans, as well as in the development of guides and the implementation of such plans in harmony with the regional CNS/ATM transition plans within the methodology approved by GREPECAS.

4.1.3 The technical cooperation project would have the following objectives:

- a) Assist the States in the national planning for the transition to the new CNS/ATM systems according to the schedule agreed for the Region.
- b) Assist the States in the definition of the most appropriate implementation options for their own reality, including the definition of the specifications of the required systems.
- c) Provide information and assistance to the States regarding the cost-benefit analysis in the implementation of the different options of the new systems.
- d) Provide assistance to the States for the implementation of the World Geodetics Systems 1984 (WGS-84) and the establishment of an integrated automated aeronautical information system for the Region.
- e) As a result of the above mentioned objectives, assist the States in the development of a transition plan to the new CNS/ATM systems, including human resources requirements to operate and maintain the new CNS/ATM systems and the most appropriate training mechanisms.

4.1.4 The project would accomplish these objectives through technical teams of specialists to prepare reference material and assist the States that may require it, in the planning and implementation processes of the new systems; preparation, management and recommendation of the training mechanisms in order to develop the necessary human resources, including the participation of speakers of the industry; and the attendance to important events of the appropriate personnel of the civil aviation administrations and of the users of CNS/ATM systems.

4.2 Objectives established in RLA/98/003 project document

4.2.1 In compliance with the request of the RAAC/5, ICAO submitted the technical cooperation regional project document RLA/98/003 “Transition to CNS/ATM Systems in the CAR and SAM

Regions”, which that started its activities in December 1998, to the consideration of the administrations of the Region.

4.2.2 The project document, in its last revision, included the following three immediate objectives according to the RACC/5 request:

Immediate Objective # 1 Assist the States in the planning of the transition to the CNS/ATM systems and in the definition of the more appropriate implementation options, according to the implementation schedule agreed for the CAR and SAM regions, including the specifications of the required systems and the cost-benefit analysis of each option.

Immediate Objective # 2 Assist the States in the implementation of the national plans for the transition to the CNS/ATM systems, including the human resources and financial requirements and the applicable training programs.

Immediate Objective # 3 Provide assistance to the States for the implementation of the World Geodetics Systems (WGS-84) and in the improvement of their aeronautical information services.

4.3 Selection of indicators for the project

4.3.1 The general declarations of UNDP policy establish the monitoring and evaluation of the projects as essential functions for the administration of technical cooperation projects, that should be directed to obtain the results and to enable the determination of the relevance, results and achievements in pro of the development, with the purpose of obtaining signals that reveal the changes occurred during the development of the project and having a mechanism that provides evidences of the progress of the activities.

4.3.2 As a result of the discussions during the meeting, it was decided that ICAO applies the following indicators for the future monitoring and evaluation activities of the project and where “Amount” is indicated, be replaced by a figure to be used as monitoring indicator.

Immediate Objective N° 1

To assist the States in the planning and implementation of the transition to CNS/ATM systems and in the definition of the most appropriate options, according with the implementation schedule agreed for the CAR and SAM regions, including the specifications of the required systems and the cost-benefit analysis of each option

Indicators:

- 1) Development of (*indicate amount*) national/regional CNS/ATM implementation plans.
- 2) (*Indicate amount*) CNS/ATM systems components implemented.
- 3) (*Indicate amount*) trained personnel on topics related to CNS/ATM transition.

Immediate Objective N° 2

Assist the States on institutional schemes for the implementation of national/regional CNS/ATM plans and their application.

Indicators:

1. Availability of guidance material for the identification and validation and implementation of institutional arrangements for CNS/ATM systems.
2. (*Indicate amount*) regional arrangements developed for CNS/ATM systems management.

Immediate Objective N° 3

Provide assistance to the States for the implementation of the World Geodetics Systems (WGS-84) and in the improvement of their aeronautical information services.

Indicators:

1. (*Indicate amount*) States with the WGS-84 implemented.
2. (*Indicate amount*) AIS personnel trained.

4.4 Revision of project objectives, results and activities

4.4.1 Taking into consideration the above, the project has been revised and, regarding Immediate Objectives, amendments have been included reflecting the following criteria:

Immediate Objective No. 1

This objective has been reformulated in order to include the issue regarding assistance for the implementation defining the corresponding criteria to ensure the success of the objective, RCC-RLA/98/003/5 NE/04, as project monitoring and evaluation indicators. The implementation aspects have been set within a new result (Result 1.5) that includes the assistance on ATM automation.

On the other hand, result 1.3 has been updated so that the project, in view of the results of the XI Air Navigation Conference, update and develop the corresponding material for the CNS/ATM Action Plan and associate it to the FASID in order to achieve a perfect harmony between these documents. When doing so, the project will also develop CNS/ATM requirements for every area of air navigation services (AGA, AIS, ATM, CNS, MET and SAR).

Immediate Objective No. 2

This objective has been reformulated so that the project effectively supports the development of institutional aspects derived from CNS/ATM implementation itself. The corresponding criteria

have also been determined to ensure the success of the objective, as project monitoring and evaluation indicators. Result 2.3, initially considered for assistance to the CIACs, has been included within Immediate Objective No. 1, which is more directly related with this result.

Immediate Objective No. 3

An additional paragraph has been included in activity 3.1.1 to enable the provision of assistance to the States in the geoid undulation issue, additionally, the corresponding criteria have been determined to ensure the success of the objective, as project monitoring and evaluation indicators.

4.4.2 **Appendix A** to the report on agenda item 4 presents the corresponding amended section of the project document, including the amendments indicated above.