



**INTERNATIONAL CIVIL AVIATION ORGANIZATION
South American Regional Office**

**REGIONAL PROJECT RLA/03/901
REDDIG Administration and Satellite Segment Management System**

THIRTEENTH MEETING OF THE COORDINATION COMMITTEE (RCC/13)

(Lima, Peru, 9-10 March 2010)

**Agenda Item 2: Report of the activities carried out to date since the last REDDIG
Coordination Committee Meeting**

**Plans for REDDIG change in technology
(Presented by the Secretariat)**

Summary	
This working paper contains plans for the complete REDDIG change in technology. This change is a consequence of current limitations of some of the equipments that are part of REDDIG (FRAD MEMOTEC and MODEM Linkway 2100), as well as the implementation of new services.	
Reference: Report of the RCC 12 meeting, Lima, Peru 9-10 March 2009.	
Strategic Objectives:	This working paper is related to Strategic Objectives D.

1. Background

1.1 In RCC/12 Meeting, it was reported that FRAD equipment (CX950) of MEMOTEC factory and MODEM Linkway 2100 of VIASAT factory are no longer commercially offered by their manufacturers. To solve this problem, the RCC/12 Meeting agreed to acquire a lot of spare parts for MEMOTEC FRAD equipment for 2009 and a lot of spare parts for the MODEM Linkway 2100 for 2010, formulating, in this regard, conclusion RCC 12 / 1 (Actions for keeping REDDIG equipment operational capacity in the coming years).

1.2 In this regard, REDDIG Administration proceeded with the purchase of a lot of spare parts for Memotec FRAD equipment and for MODEM Linkway equipment. It is foreseen for this year to

complete the set of spare partes for MODEM Linkway equipment

1.3 RCC/12 Meeting also considered that the REDDIG Administration will develop a plan for the complete change of technology that is part of current REDDIG equipment, to be implemented within a minimum period of three years starting from 2009. (See Conclusion 12/1).

2. Analysis

2.1 REDDIG Administration, following conclusion 12/1, related to the development of a plan for the complete change in the technology that is part of current REDDIG equipment, prepared two action plans that are shown as Appendix A and B to this working paper.

2.2 Appendix A contains an action plan for the REDDIG gradually change in platform, and it is due to take place in three stages:

- a) Change the system of access to media
- b) Change the system of access to voice and data services and of M & C integral system
- c) Change the system transmitter / receiver and external parties (outdoor)

2.3 Appendix B contains the action plan for the complete REDDIG platform change in a single process and includes the same systems shown in preceding paragraph.

2.4 In both action plans all the main activities are considered up to the starting up of the new equipment, keeling in mind during the transition, minimal interruption of services that are given through the network.

2.5 With respect to the MEVA II / REDDIG contract, the commitment to make the interconnection with current FRAD equipment, will be kept, same which would be used exclusively for interconnection, even if they are not used on the new REDDIG platform.

3 Suggested Actions

3.1 The Meeting is invited to:

- a) take note of the information provided;
- b) analyse the action plans that are shown as Appendix A and B to this working paper; and
- c) analyse any other aspect related to this matter that the meeting may deem appropriate.