



International Civil Aviation Organization
CAR/SAM Regional Planning and Implementation Group (GREPECAS)
Fourteenth Meeting of the CAR/SAM Regional Planning and Implementation Group (GREPECAS/14)
(San Jose, Costa Rica, April 16 to 20, 2007)

Agenda Item 7: Other Business

MODE S RADARS IN CENTRAL AMERICA

(Presented by COCESNA)

SUMMARY

As part of its investment project, COCESNA had contracted the renewal of its five MSSR Radar heads currently in service, as well as the acquisition and installation of three new radar heads, to be installed in Grand Cayman Island, Costa Rica y Guatemala.

COCESNA is also installing radar and equipment for radar control in the airports of Belize and Ilopango, El Salvador and renewing the APP Equipment in Juan Santamaria Airport, in Costa Rica.

1. Introduction

1.1 Seems the present radar systems are reaching their life cycle (10 years), COCESNA had began the renewal process of its secondary monopulse surveillance radar, installing ones of the latest technology in Mode S, including the corresponding update for the Mode S data processing of the Systems of the Control Center in CENAMER ACC located in Tegucigalpa, Honduras, and in CENAMER's backup Control Center located in Ilopango, El Salvador; as well as the acquisition of three news radar systems that will be installed in Costa Rica, Guatemala, and Grand Cayman..

1.2 COCESNA is also implementing the installation projects of the radars and APP Control Center in the airports of Belize and Ilopango, El Salvador, and the renewal of the APP Control Center of Juan Santamaria Airport in Costa Rica.

2. Projects development

2.1 The Radar Renewal and Acquisition Project started in May, 2006 and will last approximately seven years.

2.2 One of the priorities in the installation is the radar in Grand Cayman, because of the requirements of radar coverage in the Northeast area of the CA FIR. The remaining radars will be renew at a rate of one per year.

2.3 This Project includes the renewal of the following radar:

- Mata de Caña, Costa Rica
- Cerro Santiago, Guatemala
- Dixon Hill, Honduras
- Monte Crudo, Honduras
- Puerto Cabezas, Nicaragua
- Grand Cayman, Islas Cayman (new)
- Volcán Poás, Costa Rica (new)
- Guatemala (new)

2.4 It's included in this Project the improvements to the CNS/ATM installations of the Republic of Honduras, consisting of the substitution and/or acquisition of different important elements for the provision of air navigation services and other services related in Honduras' four international airports.

2.5 The Project Renewal of the APP Control Center Juan Santamaría Airport in Costa Rica started in February 22, 2007.

2.6 Belize APP Control Center and Radar will be in operation by the end of April, 2007.

2.7 The Radar and Ilopango APP Control Center, El Salvador is estimated to be operational by the end of 2007.

3. Suggested Action

3.1 The Meeting is invited to take note of the information presented.

- END -