



ICAO

International Civil Aviation Organization
North American, Central American and Caribbean Office

INFORMATION PAPER

NACC/WG/4 — IP/13
07/03/14

**Fourth North American, Central American and Caribbean Working Group Meeting
(NACC/WG/4)**

Ottawa, Canada, 24 to 28 March 2014

**Agenda Item 3: Progress of the Performance Based Navigation Implementation Plan for the
NAM/CAR Region (NAM/CAR RPBANIP)
3.3 ANI/WG and other regional group progress reports**

ADSC/CPDLC IMPLEMENTATION IN THE CENTRAL AMERICA FIR

(Presented by COCESNA)

EXECUTIVE SUMMARY

This paper presents information on the progress of the implementation of ADSC/CPDLC in the Pacific sector of the Central American FIR (CENAMER).

*Strategic
Objectives:*

- Safety Management
- Air navigation capacity and efficiency.
- Aviation Security and Facilitation

References:

- CENAMER ACC Renovation project

1. Introduction

1.1 With the objective to strengthen the safety in the operations on the Pacific sector of the Flight Information Region (FIR) CENAMER, COCESNA contracted SITA to provide ADSC / CPDLC data link communications, which are already connected to the AIRCON 2100 in the Area Control Center (CENAMER ACC).

2. Currently, test preparation and ACC renewal

2.1 Currently, COCESNA has contacted some airlines that operate in the Central American FIR to start testing the functionalities of the systems, taking advantage that some aircrafts overflying the CENAMER ACC have the necessary avionics to use this service.

2.2 COCESNA is also renovating its current ACC, with a renewed AIRCON 2100 system, which has more automated features and in the case of the ADSC/CPDLC it upgrades the hardware and system manageability.

3. Next activity

3.1 COCESNA intends to finish testing with different airlines that support this initiative in the second trimester of 2014, before moving on to the formal implementation of the ADSC / CPDLC communications in this area.

4. Continuity for regional implementation

4.1 The ADSC/CPDLC implementation is complementary to the efforts made by COCESNA according to regional planning, since the HF receivers that have been installed are now being complemented with new transmitters installed during 2014, strengthening the safety in the air operations in the Central American FIR.

5. Suggested action.

5.1 We encourage the Meeting to Consider the contents of this informative paper.