



ICAO

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

WORKING PAPER

AIDC/TF/2 — WP/10  
19/02/15

**Second NAM/CAR Air Navigation Implementation Working Group (ANI/WG) Air Traffic Services  
Inter-facility Data Communication (AIDC) Task Force (AIDC/TF/2) Meeting  
Mexico City, Mexico, 27 February 2015**

**Agenda Item 5                    AIDC Go-Team initiative**

**AIDC GO-TEAM INITIATIVE OF THE ICAO REGIONAL TECHNICAL COOPERATION  
PROJECT FOR THE CARIBBEAN REGION – “IMPLEMENTATION OF THE  
PERFORMANCE BASED AIR NAVIGATION  
SYSTEMS FOR THE CAR REGION” (RLA/09/801)**

(Presented by the Secretariat)

<b>EXECUTIVE SUMMARY</b>	
The AIDC Task Force, created during the first ANI Working Group meeting, has the responsibility of streamlining the coordination, implementation and trials of AIDC in the NAM/CAR region. As part of this process, the Task Force has drafted a generic implementation procedure to serve as a template for the States for the implementation effort. This working paper serves the purpose of reviewing this implementation plan to introduce changes as needed.	
<b>Action:</b>	The meeting is invited to review and update the implementation plan presented in the <b>Appendix</b> .
<i>Strategic Objectives:</i>	<ul style="list-style-type: none"><li>• Safety</li><li>• Air Navigation Capacity and Efficiency</li></ul>
<i>References:</i>	<ul style="list-style-type: none"><li>• First NAM/CAR Air Navigation Implementation Working Group Meeting (ANI/WG/1) Final Report, Mexico City, Mexico, 29 July to 1 August 2013</li><li>• Minutes for the 10<sup>th</sup> AIDC Task Force teleconference</li></ul>

**1.                    Introduction**

1.1                    The ICAO Technical Cooperation Projects are tools defined for supporting and assisting the States on their implementation matters, facilitating experts, work frame and administrative facilities for States to streamline the achievement of their milestones.

1.2                    Under this mechanism, the NAM and CAR States / territories agreed to work together to streamline the goals and regional priorities established in the RPBANIP and the Port of Spain Declaration, signing into the ICAO Regional Technical Cooperation Project for the Caribbean Region – “Implementation of the Performance Based Air Navigation Systems for the CAR Region” (RLA/09/801).

1.3 The Appendix to this paper show a more detailed information of the Project RLA/09/801 composition, membership, achievements, 2014 events and 2015 events.

## 2. Discussion

2.1 The *Go-Team* initiative was approved by the Third Steering Committee Meeting (SCM/3) held in Trinidad and Tobago in April 2014 as a mutual supporting mechanism to support the development of the State's own implementation capacity (qualified staff), assisting States in the implementation of Air Navigation and safety matters.

2.2 The *Go-Team* consists of subject matter experts selected among Project Member States and led by the ICAO NACC Regional Office. The purpose is to provide States with assistance required for effective implementation that is aligned with regional air navigation and safety priorities contained in the NAM/CAR Regional Performance Based Air Navigation Implementation Plan (RPBANIP) under the following sub-projects:

Sub-Project 1.	Implement a CAR Region PBN Airspace Concept
Sub-Project 2.	Implement Regional Air Traffic Flow Management (ATFM)
Sub-Project 3.	Implement Flexible Use Airspace (FUA)
Sub-Project 4.	Enhance ATS situational awareness and improve operational efficiency of ATS Unit(s)
Sub-Project 5.	Enhance Aerodrome Operations Capacity and Efficiency
Sub-Project 6.	Improve Regional Safety
Sub-Project 7.	Improve Search and Rescue System

2.3 One of the implementation topic requested by the States is on AIDC. In this regard, AIDC Go-Teams were formulated with the following main objectives:

- a) Explain the NAM Interface Control Document (ICD) – scope and implementation; use of AIDC and On-Line Data interchange (OLDI);
- b) Review the AIDC agreement and considerations including the implementation plan for the AIDC circuit;
- c) Evaluate the trial results and Air Traffic Service (ATS) message exchange;
- d) Check and validate that the State's AIDC circuit is properly implemented and operating;
- e) Participate with the State to technically assist and support the AIDC performance; and
- f) Assist in scoping AIDC objectives and advantage of incremental capability evolution.

2.4 Composition of the AIDC Project Go-Team for any State is as follows:

- The Go-Team will be led by an ICAO NACC Regional Officer
- The Go-Team will be composed of subject matter experts from Project Member States selected by the ICAO NACC Regional Office
- The Go-Team mission cost will be covered by the Regional Project
- Other Project Member States could send additional specialists as observers, as long as all travel and daily subsistence allowance (DSA) costs are covered by such State, and upon State's approval
- The selected Go-Team experts shall comply with the required background for the mission
- Specialists shall agree and sign a confidentiality agreement regarding the information observed and discussed during and after the *Go-Team* mission
- The mission duration will be three days, as determined by the ICAO NACC Regional Office

2.5. The State responsibilities are:

- The State shall designate a point-of-contact for Go-Team coordination, as well as personnel in charge of AIDC implementation
- Provide the required information for the gap analysis development
- Facilitate access and necessary resources for the achievement of the Go-Team mission objectives
- Develop and comply with the Action Plan in accordance with the AIDC implementation Go-Team recommendations

2.6 The on-site Activities of the Go-team include:

- Initial meeting to present *Go-Team* mission objectives to the State Civil Aviation Authority/ ANSP
- Assessment of information for AIDC implementation in the State, as appropriate
- Conduct other related activities for AIDC implementation in the State
- Debriefing meeting to inform the State Civil Aviation Authority/ ANSP on the *Go-Team* mission outcomes

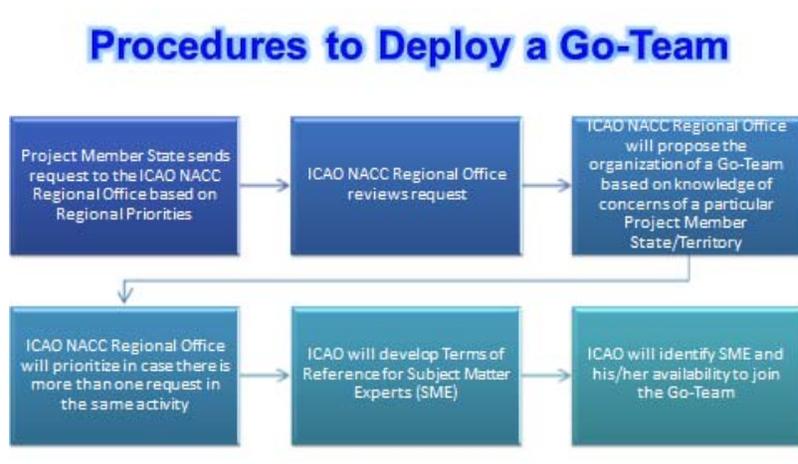
2.7. The deliverables of a AIDC Go-team are:

- Action Plan for AIDC implementation
- Mission report on AIDC implementation prepared by the *Go-Team*

2.8 The follow-up to the results of the Go-team is made by the ICAO NACC Regional Office through the regional implementation groups (ANI/WG, NACC/WG, etc.) as per the approved Action Plan

2.9 In 2014, ICAO conducted two AIDC Go-teams, one for Dominican Republic and the other to COCESNA. Up to date no AIDC Go-team has been requested for 2015.

2.10 The process for approving a Go-team mission is shown in the figure.



### 3. Suggested Actions

3.1 The meeting is invited to:

- a) take note of this Goteam initiative for streamlining the AIDC implementation;
- b) consider requesting this Goteam assistance for your AIDC implementation; and
- c) agree on any relevant matters as appropriate.

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# I. Description of RLA09/801 Project



# Project Description/Objectives

**Provide assistance to States/Territories of the CAR Region to advance implementation of performance based air navigation systems leading to a seamless global ATM system, thus enhancing safety and efficiency**



# Members Lead by ICAO NACC Regional Office



Bahamas  
Bahamas



Barbados  
Barbados



Cuba  
Cuba



Curaçao  
Curazao



Dominican Republic  
República Dominicana



Haiti  
Haití



Jamaica  
Jamaica



Mexico  
México



Trinidad and Tobago

OECS States through ECCAA  
Estados OECS a través de ECCAA



representing the following States  
representando a los siguientes Estados



Antigua and Barbuda  
Antigua y Barbuda



Grenada  
Grenada



Saint Kitts and Nevis  
San Kitts y Nevis



Saint Lucia  
Santa Lucia

Central American States  
through COCESNA  
Estados Centroamericanos  
a través de COCESNA



representing the following States  
representando a los siguientes Estados



Belize  
Belice



Costa Rica  
Costa Rica



El Salvador  
El Salvador



Guatemala  
Guatemala

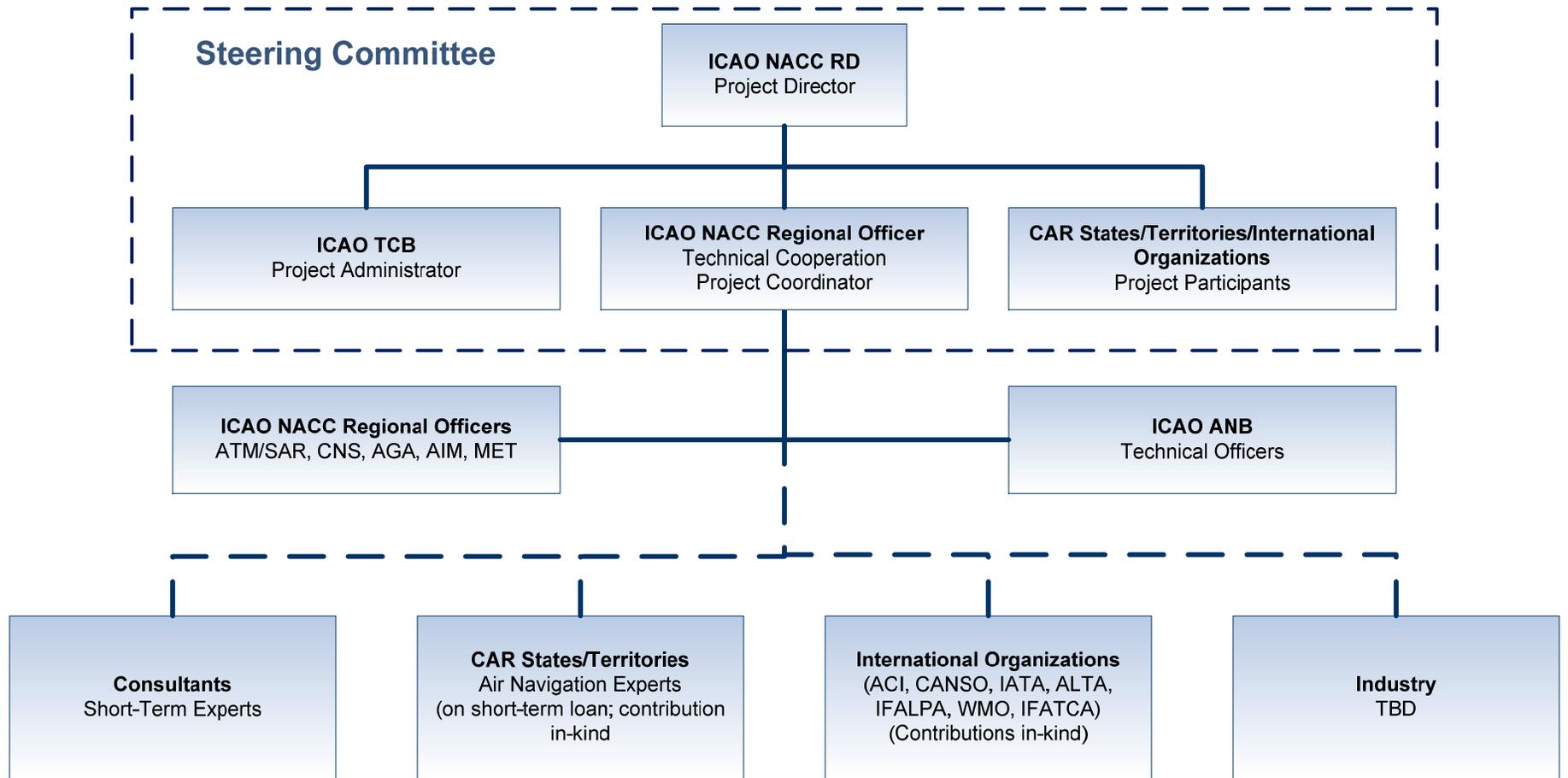


Honduras  
Honduras



# RLA/09/801

## Project Organization





# ICAO Strategic Objectives 2014-2016



*The project is aligned with three of the five ICAO Strategic Objectives*



# Background

The Project Activity Plan is aligned with the new RPBANIP version 3.1 and regional goals

The project is aligned with the goals and regional safety and air navigational targets of the POS Declaration

The project was revised to include the AN-Conference/12 and ICAO A38 recommendations

The first SC Teleconference approved the revised Project Activities Plan for 2014-2016 in principle

The second SC Teleconference approved the Go-Team Framework Implementation in principle



# RLA/09/801 Project– Sub-Projects

- Implementation a PBN Airspace Concept for the CAR Region
- Implementation of Regional Air Traffic Flow Management
- Implementation of Flexible Use of Airspace (FUA)
- Enhance ATS situational awareness
- Enhance safety, capacity and efficiency of aerodrome operations
- Enhance Regional Safety
- Enhance Search and Rescue Systems



## Sub-Project Number 4: CNS, ATM Enhance ATS situational awareness

**Objectives:**

- Enhance ATS Situational Awareness

**Metrics and Goals:**

- Improve ATS automated system interconnection in 5 FIRs by:
  - 30% - December 2014
  - 40% - December 2016
- Ground-Ground Digital Coordination/transfer 40% of FIRs where all applicable ACCs have implemented at least one interface to use ATS Interfacility Data Communication (AIDC)/On-Line Data Interchange (OLDI) with neighbouring ACCs
- Improve ATS message exchange in 6 FIRs:
  - 40% - December 2016

**ASBU**

- BO-RSEQ/SURF/ASUR/SNET/TBO

**Support Tools**

- AIDC, AMHS and MEVA III Go-Teams
- Gap Analysis
- Regional workshops and seminars

**Target Date**

- December 2016



# Key Activities Related to Sub-Project 4

ADS-B Workshop  
and Meeting

ADS-B  
Implementation  
Meeting

AMHS Workshop  
and Meeting

AMHS  
Implementation  
Meeting

Sharing of ADS-B  
equipment

Implementation  
AIDC Go-Team

Implementation  
AMHS Go-Team

Implementation  
MEVA III  
Go-Team



# Completed Activities

## Sub-Project 4

**III Workshop on Follow-up to the Implementation of the AMHS in the NAM/CAR Regions (III AMHS-IMP), Boca Chica, Dominican Republic, 24 to 26 September 2013**

**Automation System and Integrated Telecommunications for Air Navigation Services/ SWIM Workshop (AUTO/SWIM); GOLD/ CPDLC and AIDC Task Force Follow-up Meetings 21 to 25 April 2014**

**ADS-B and MLAT Implementation Workshop, Mexico City  
19 to 23 May 2014**

**AIDC and AMHS GoTeams**



# 2015 Activities

## Sub-Project 4

**MEVA III  
GoTeams  
Feb- March  
2015**

**ANI/WG/02  
Meeting,  
Costa Rica,  
June 2015**

**Workshop  
on System  
Automation  
and  
Surveillance,  
Lima Peru,  
September  
2015**

**Workshop on  
ATN  
Applications  
Implementati  
on (Datalink,  
CPDLC, ADS-C,  
AMHS, AIDC),  
Sint Maarten  
October 2015**

**AIDC/  
CPDLC-  
ADS-C and  
AMHS  
GoTeams**



## 2014 Approved Goteams

Implementation Go-Teams	State	Proposed dates
State Safety Programme (SSP)	Curacao	May
Performance Based Navigation (PBN)	Trinidad and Tobago	August
Aerodrome Certification	Dominican Republic	September
AIDC	Dominican Republic COCESNA	September November
AMHS	Curacao Mexico	September November
MEVA III	Bahamas, Cuba, Curacao, Dominican Republic, Haiti, Jamaica, Mexico, COCESNA	October – November
Aeronautical Information Management (AIM)	Barbados, Haiti	September October
Runway Safety Team (RST)	Guatemala * ECCA	August November
Air Traffic Flow Management (ATFM)	Jamaica	October