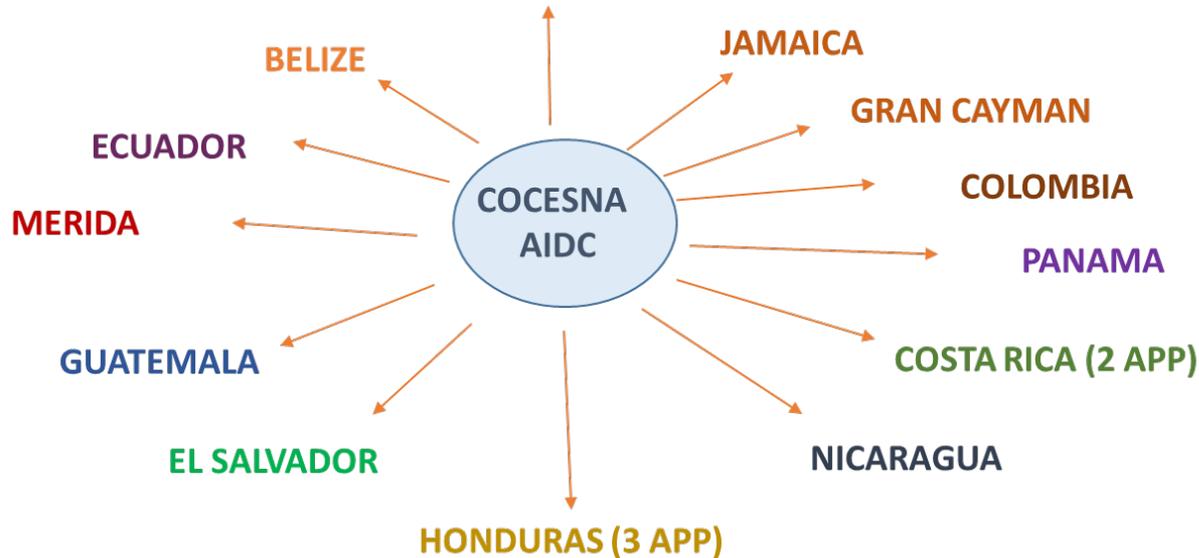




AIDC IMPLEMENTATION

Sint Maarten
April 2016

COGESNA's objective is to automate all coordinations between CENAMER and approach control units in Central America and adjacent ACCs by using AIDC communication protocol.



TO ACHIEVE THE GOAL



COCESNA needs the complete and unconditional support of all the state members of COCESNA and FIR neighbors in order to comply the Puerto España Declaration with no obstacles.

In consideration of the significant advance that automation means to Central America, COCESNA is making a great effort to connect each control center in Central America with COCESNA by using the AIDC Communication Protocol.

AUTOMATION

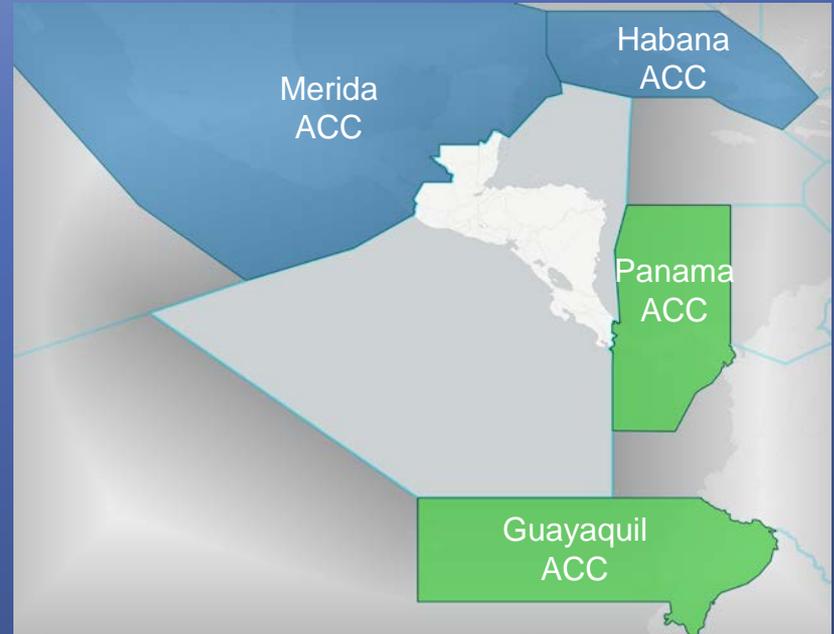
CENAMER ACC has implemented NAM protocol at:

- North with **Havana ACC**
- West with **Merida ACC**

And AIDC protocol at:

- South with **Guayaquil ACC**
- East with **Panama ACC**

These improvements will make COCESNA one of the first in the continent to harness said protocol.



AUTOMATION

CENAMER ACC has implemented AIDC in Central America with :





AIDC PHASES

PHASE 1 NOTIFY



The Protocol send a notify message to advise the next air traffic control unit that an aircraft approaches the FIR boundary, it also create a flight plan.

PHASE 2 COORDINATION



The coordination phase send a message that activates a pending flight plan, the message includes call sign, ssr code, route of flight etc. During this phase the control center is able to request flight level change

PHASE 3 TRANSFERENCE



Transfer of control and assumption of control are messages part of the transference phase.

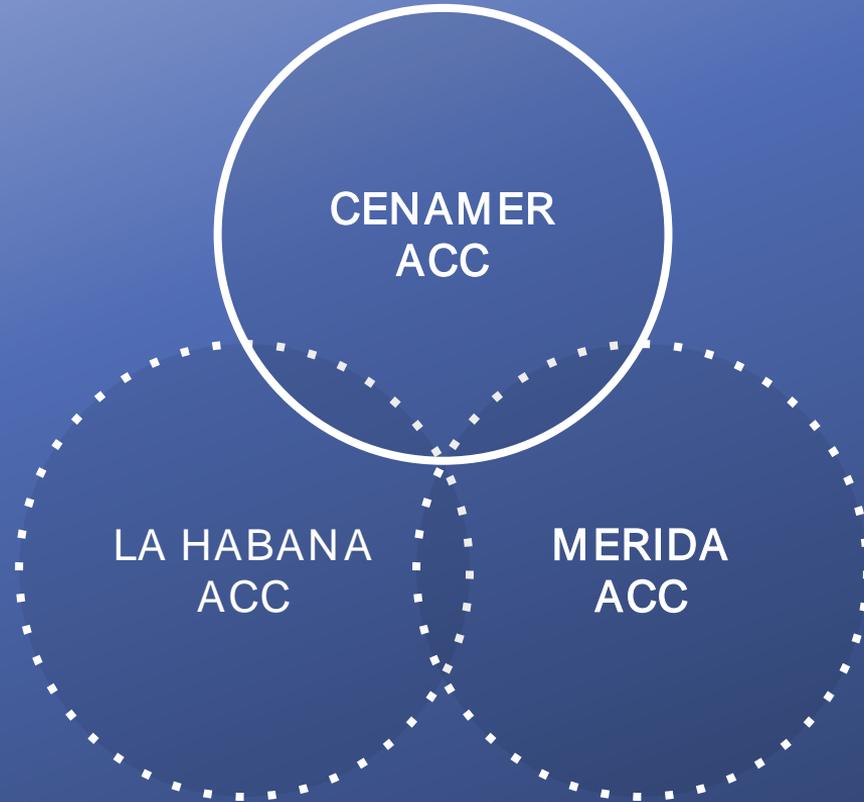
COGESNA IS IMPLEMENTING AIDC IN ALL THE PHASES



AUTOMATION DEVELOPMENT

NAM

1st LA HABANA ACC
2ND MERIDA ACC



AUTOMATION DEVELOPMENT

AIDC

- 1st Managua APP
- 2nd Panama ACC
- 3rd El Salvador APP
- 4th La Aurora APP
- 5th Guayaquil ACC





NICARAGUA, GUATEMALA AND EL SALVADOR

The Communication protocol is connected since 2015:

- 1. Air traffic flows were established and awaiting to be published.**
- 2. We are solving some AIDC issues according to protocol.**
- 3. We are checking rejection problems and finding flight plan solutions.**
- 4. An AIDC letter of agreement is sign.**
- 5. At this phase every coordination needs a voice confirmation.**



COMMON ISSUES

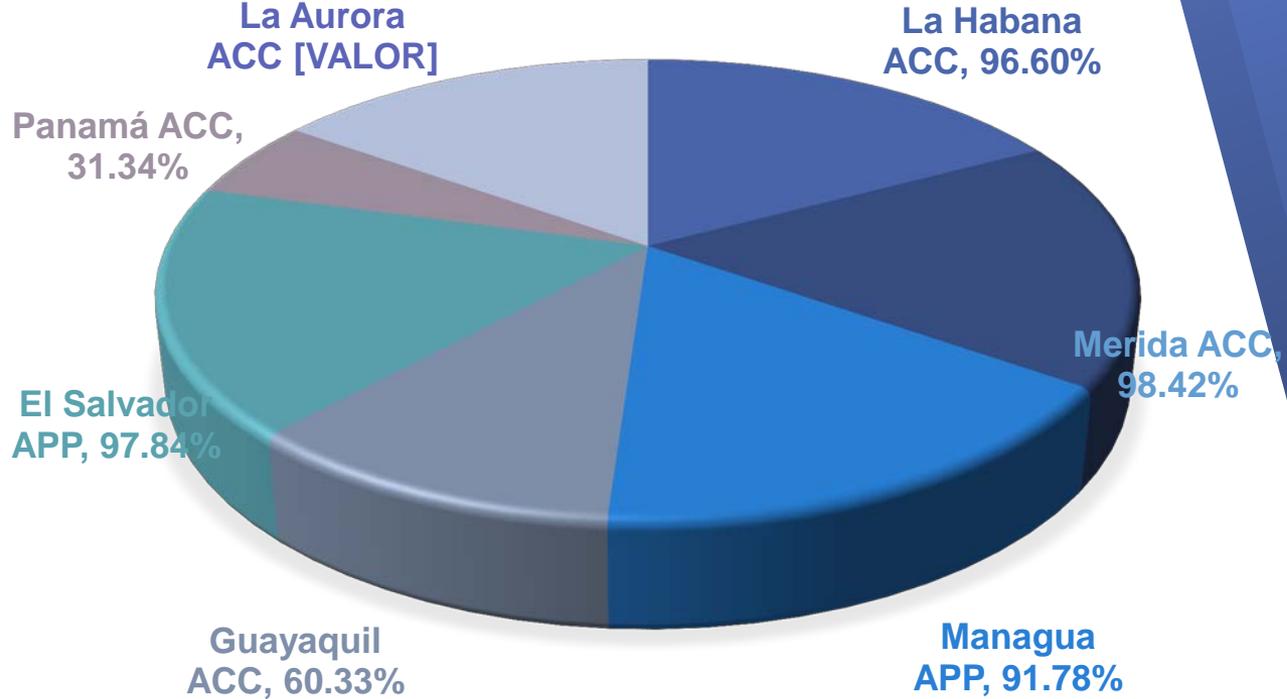
1. Incomplete flight plans.
2. Duplicate flight plans.
3. Incongruence in field 10 a and 18.
4. Route errors.

How can I solve problems

- Airlines
- AIS/ ARO
- Control centers units
- Rejection flight plan project



AUTOMATION PERCENTAGES





THANKS!

You can find me at jenny.lee@cocesna.org