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Data Sharing and ATFM

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COCESNA is an international organization that enjoys exclusive rights for the provision of Air Traffic Services in the Upper Airspace of the Central American Countries;
1. Guatemala
2. Belice
3. Honduras
4. El Salvador
5. Nicaragua
6. Costa Rica
BACKGROUND

During the Second Meeting of Directors of Civil Aviation of North America, Central America and the Caribbean, in regards to ATFM, it was concluded:

**conclusion 2/18 IMPLEMENTATION OF AIR TRAFFIC FLOW MANAGEMENT (ATFM) IN THE CENTRAL AMERICAN FIR**

Considering the important operational and economic benefits for the ATM community, derived from the implementation of an efficient and safe Air Traffic Flow Management System (ATFM), the States that make up the Central America FIR and COCESNA:

a) **initiate, under the coordination of COCESNA, the actions related to the implementation of a sub regional ATFM system for the Central American FIR, considering the orientations of ICAO, as well as the tasks and the implementation program of the agreed ones in the NAM/CAR / SAM Regions;**
Central Flow Management Unit in Central America
Flow Management Units in Central America
SECTOR CAPACITY

Traditional Sectorization

Dinamic Sectorization
Data Sharing

With the aim of expanding situational awareness COCESNA is currently managing information among the member states of the CENAMER FIR to create an environment that facilitates collaborative decision making.

The management of information consists of:

1. DATA SHARING AT A SYSTEM LEVEL
2. DATA SHARING VIA TELECONFERENCES

DATA SHARING AT A SYSTEM LEVEL is done by:

- Radar data sharing
- Forecast data sharing
RADAR DATA SHARING

EL SALVADOR

HONDURAS
COCESNA prepares and shares via webservice the air traffic forecast information in the CENAMER FIR with each FMU in each member state.

The forecast information includes:

1. Demand / Capacity Analysis
2. Daily planning of ATFM
Weekly teleconference with the Member States
Objective:
• Inform each member state and COCESNA of the sector and runway capacity planning of each country's airports, including events that may affect its capabilities such as weather conditions, ATC personnel, CNS maintenance, etc.

Weekly Teleconference with CADENA
Objectives:
• Share the information of the sector and runway conditions of the airports and airspace of the Central America FIR with the CADENA members.
• Be informed of the capacity planning of the adjacent ANSPs.
SWIM

- FAA – COCESNA Technical Interchange Meeting (TIM) Site Visit

- What technologies are needed?
- FAA Recommendations
- Network Options

- Implementation
THANK YOU...