What?

CANSO ATFM Data Exchange Network for the Americas -- CADENA
Who?

CADENA participants

- TTCAA (Trinidad)
- IDAC (Dominican Republic)
- ECNA (Cuba)
- JCAA (Jamaica)
  - MWCR (Grand Cayman Airport Authority)
- DC-ANSP (Curaçao)
  - ANSA (Aruba)
- SENEAM (Mexico)
- COCESNA (Cenamer)
  - DGAC (Costa Rica)
- UAEAC (Colombia)
- INAC (Venezuela)
- EANA (Argentina)
- CGNA (Brazil)
- FAA (ATCSCC, ZMA, SJU, ZHU)
Who?

Future CADENA participants

• Panama
• CORPAC (Peru)
• Ecuador
• Haiti
• Paraguay
• Chile
• Uruguay
• Other Regions ??
FMUs Around the Region
How?

Governance through CANSO

CANSO: Global association of ANSPs

Members support over 85% of the world’s air traffic

• 167 members globally
• 88 ANSPs
• 79 Associate Members
• 9 Members located within the LAC region

Three Standing Committees

• Operations, Safety, Strategy
In Concert with ICAO

- CAR/SAM ATFM CONOPS

- ICAO DOC 9971

- CADENA is designed to implement the processes and procedures from DOC 9971
Why?

Purpose and Objectives of CADENA

- Exchange operational information
  - CADENA members are working to implement data exchange through FAA’s SWIM network
  - Airlines, airports, and other aviation stakeholders will be able to access such data in the near future
- Promote common situational awareness
- Enhance operational safety
- Improve operational efficiency
When?

Aug 2016: 1st CADENA meeting in Havana

Oct 2016: 2nd CADENA meeting in Buenos Aires

• CADENA Members trained and practiced the weekly operational planning web conference

Dec 16, 2016: CADENA Ops Planning Web Conference went “Live”

Jan 2017: Stakeholder participation in the CADENA Ops Planning Web Conference began

Feb 2017: 3rd CADENA Meeting and Industry Day in Curaçao

Jun 2017: 4th CADENA Meeting in Jamaica

Oct 2017: 5th CADENA Meeting in Rio de Janeiro

Jul 2018: 6th CADENA Meeting in Atlanta, GA

Jan 2019: 7th CADENA Meeting in Santo Domingo

July 2019: 8th CADENA Meeting in Miami, FL
When?

Dec 6, 2016: CADENA member CEOs/COOs signed the historic “CADENA Member ANSP Air Traffic Management and Collaborative Decision Making Letter of Agreement”

SENEAM, FAA, EANA, DC-ANSP, COCESNA, TTCAA, IDAC
CADENA Implementation Roadmap

- DEFINE
  - GOALS / STRUCTURE / REQUIREMENTS
- PEOPLE
  - CHAMPIONS / STAKEHOLDERS
- INFRASTRUCTURE
  - FMUS / FMPS / TOOLS / EQUIP
- PROCESS
  - COMMUNICATION / QUALITY CONTROL
- INFORM
  - WX / DEMAND / CAPACITY
- EDUCATE
  - TRAIN / OUTREACH / SOLICIALIZATION
- EXECUTE
  - TEST / INCREMENTAL ROLLOUT
- REVIEW
  - METRICS / COMPLIANCE / REPORTING
CADENA Operational Implementation

Accomplishments to-date:

- Caribbean Region CDM Letter of Agreement
- Operational Web Conferences (Weekly)
- Hurricane Web Conferences
- Regular CADENA leadership team meetings
- Shared best practices
- TTCAA: First international data provider to connect to FAA SWIM
- CADENA ATFM/CDM Procedures Manual
- CADENA Operational Information System (OIS)
- CADENA CDM Web Conferences
CADENA OIS

https://www.cadenaois.org/index.html

Regional Operations Plan

- SENEAM Mexico: 17/Jan/2019 16:15
- Anticipated Demand Information: HIGH
- TMM Planned: MMMX, DOMESTIC GDP, MMLUN, TACTICAL MIT.
- Urgent Advisory
- Weather: NO SIGNIFICANT WEATHER
- Volcanic Ash: NONE
- Constraints: NONE
- Special Events: NONE
- Equipment Outages: NONE
- Other NOTAM A6695/18. ROUTES TO BE FILLED DESTINATION MMLUN. (SEE ADVISORIES SECTION)

FAA San Juan: 17/Jan/2019 15:58
- Anticipated Demand Information: MEDIUM
- TMM Planned: PENDING
- Urgent Advisory
- Weather: MOSTLY CLEAR. VFR CONDITIONS ARE FORECAST TO CONTINUE ACROSS MOST TERMINAL SUITES THROUGH 17/12Z. SFC WINDS WILL BE OUT OF THE SSE AT 5 TO 10 KNOTS.
ANSP Information Shared on the Web Conference

- Staffing situation
- Terminal / en route weather conditions
- Terminal / en route constraints
- Equipment outages
- Route closures
- Anticipated air traffic demand
- Anticipated traffic management measures
Web Conference Attendance

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**Required**

- All CADENA Flow Management Units (FMUs)
- Any Traffic Management Area (TMA) or control tower that may have a significant constraint will be requested to attend

**Optional**

- Airlines and other aircraft operators, airport authorities, military organisations, and other aviation stakeholders
Thank you!