



Caribbean Aviation Resilience and Recovery Group

Caribbean Aviation Resilience and Recovery Group
Information Brief:
3RD Aviation Safety Campaign, Miami, FL

Joseph Kools, Ph.D., FAA Senior International Representative,
FAA Office of International Affairs, Western Hemisphere

July 7, 2022



1



Federal Aviation
Administration



Agenda

- Introductions
- Background
- The Challenge
- CARRG Purpose and Scope
- Stakeholders/CARRG Members
- Proposed TW 21 Exercise activities
- Q & A



2





Caribbean Aviation Resilience and Recovery Group

Background

“By failing to prepare, you are preparing to fail”
Benjamin Franklin

- **Hurricane Irma:**
 - SEP 2017, FL, Puerto Rico, St Martin, Cuba, Bahamas, Barbuda, USVI (CAT 5)
- **Hurricane Maria:**
 - SEP 16-OCT 2, 2017, Puerto Rico, Dominica, St Croix (CAT 5)
- **Hurricane Dorian:**
 - SEP 1, 2019, Bahamas, (CAT 5)



Resulted in lost activity and slowed response and recovery operations



3





Caribbean Aviation Resilience and Recovery Group

The Challenge

- Weather-related disasters are regular, foreseeable, yet unplanned annual events in the Caribbean
- Limited in-country resources, and whole-island disasters often require external assistance
- Aviation is a critical multiplier in disaster response situations
- Communications and power system failures exacerbate coordination issues
- Pre-planned, pre-coordinated international approaches will streamline response times and have positive humanitarian and economic impact



4



Federal Aviation
Administration



The CARRG

- An international group comprised of aviation stakeholders:
 - Caribbean civil aviation authorities (CAAs)
 - Air Navigation Service Providers (ANSPs)
 - International Civil Aviation Organization (ICAO)
 - Regional emergency management experts
 - Meteorological experts
- The group is supported by a FAA-sponsored website for sharing:
 - Lessons learned from prior efforts
 - Key contact information
 - Contingency plans for active response efforts



5

5



Federal Aviation
Administration



Stakeholders

- Aruba
- Barbados
- Commonwealth of the Bahamas
- Belize
- CADENA
- Curacao
- Dominican Republic
- Organization of Eastern Caribbean States
- Republic of Guyana
- Republic of Haiti
- ICAO North American, Central American, and Caribbean Office
- Jamaica
- Sint Maarten / St. Martin
- Republic of Suriname
- Trinidad and Tobago
- The United States of America



6

6



Federal Aviation
Administration



Why the CARRG?

The purpose of the CARRG is to develop, roll-out, and sustain a system for **fast and effective coordination and integration** of the Caribbean aviation system for improved **disaster response, recovery, and reconstruction (R3)**

An improved disaster response system will have humanitarian and economic benefits

7



Federal Aviation
Administration



Role of the CARRG

- Enhance the role of civil aviation in contingency plans and activities
- Share best practices among Caribbean States
- Meet quarterly to collaborate on R3 matters
- Facilitate streamlined response to disasters
- Established website with country-specific info for civil aviation
- Serve as a bridge between regional aviation partners
- Coordinate with ICAO and CANSO Air Traffic Flow Management Data Exchange Network for the Americas (CADENA)

8



Federal Aviation
Administration



Meeting protocol

- **Frequency and format:**
 - States/organizations will alternate annual in-person meetings
 - Virtual meetings will be held biannually or as needed
- **Participation:**
 - States/organizations representation at each meeting
 - One aviation rep
 - One disaster/emergency rep
 - SMEs will participate based on agenda/goals
- **Standing invitations** to participate in each meeting:
 - CADENA
 - Caribbean Disaster Emergency Management Agency (CDEMA)
 - U.S. Agency for International Development, Office of Foreign Disaster Assistance (USAID/OFDA)
 - Additional regional partners



9

9



Federal Aviation
Administration



Objectives

- Efficient integration of Civil Air into the affected AOR
 - Reconstitution flights
 - Supply necessary relief items: Med supplies, H2O, food, etc.
 - Medical assistance (Medical professionals, establish field hospitals, disease control, etc.)
 - Infrastructure Logistics (power restoration, etc.)
- Coordination with International host nations (UK, KON, France and sovereign island nation states) as necessary to support or augment operations via CARRG
 - Other USG partners – coordinate response and recovery efforts



10

10



Federal Aviation
Administration



FAA Contacts

Dr. Joe Kools:

Senior International Representative, Caribbean Region, Guyana and Suriname

joseph.kools@faa.gov

(202) 679-8246 (mobile)

Ms. Jessa S. Gottlich:

Desk Officer – Central America, Colombia, Dominican Republic, Panama, and Venezuela

Jessa.S.Gottlich@faa.gov

11

Thank You!



Federal Aviation
Administration

12

12



13

The slide features the Federal Aviation Administration logo on the top left and the CARIG logo (Caribbean Aviation Resilience and Recovery Group) on the top right. The title "Key Factors to Achieve Success" is centered in a bold, blue font. Below the title, there are five horizontal bars, each containing an icon, a factor name, and a description. The background is a night cityscape with glowing blue lines connecting various points across the horizon. The number "14" is visible in the bottom right corner of the slide area.

	Engage	Engage international aviation and civil stakeholders and gain commitment
	Collaborate	Build on existing strengths in partnerships and leverage existing formal systems
	Establish	Establish strategy, develop implementation plan, execute the plan(s)
	Commit	Commit to follow through on long terms plans and activities
	Resource	Resource appropriately to implement and ensure long-term success

14



Federal Aviation
Administration



Why the CARRG?

Task: Develop, implement, and sustain an integrated and synchronized, international approach to disaster relief and emergency response in the Caribbean

Purpose: Develop, implement, and sustain an integrated, international approach to disaster response, recovery, & reconstitution (R3) of the international aviation arena to increase global safety, efficiency and sustainability

Outcome: Develop an integrated approach and entity to synchronize the strength and capabilities of the international community, ICAO, Civil Aviation assets and streamline the R3 of disaster relief efforts.