ICAO/FAA Comprehensive Aerodrome Certification Inspector Workshop

Federal Aviation Administration

Aerodrome Emergency Plan

Presented To: Caribbean Aviation Professionals

By: FAA Office of Airports

Resources

- **Airport Services Manual – Part 7**
- **Annex 14 – Aerodromes Volume I – Chapter 9.1**
- **FAA AC 5200-31C**

Introductory Information

- **Promulgation Document**
- **Signature pages**
- **Title page**
- **Record of Revisions**
- **Record of Distribution**
- **Table of Contents**

Parties to the plan

- **ICAO AEPs must conform to Part 7-Chapter 3**

- **Specify assignments for each participant for each type of emergency**

- **Contact information should be verified monthly**

- **Develop an emergency incident chain of command**

Federal Aviation Administration

Sample Chain of Command

```
Emergency Operations Center
            │
      Incident Command
       ┌────────┴────────┐
   Staging          Operations
                ┌────────┬────────┬────────┐
          Air Operations  Law Group  Medical Group  Fire Group
              │            │            │            │
            Tower       Security      Triage      Division
              │            │            │            │
        Communications   Traffic     Transport     Group
```
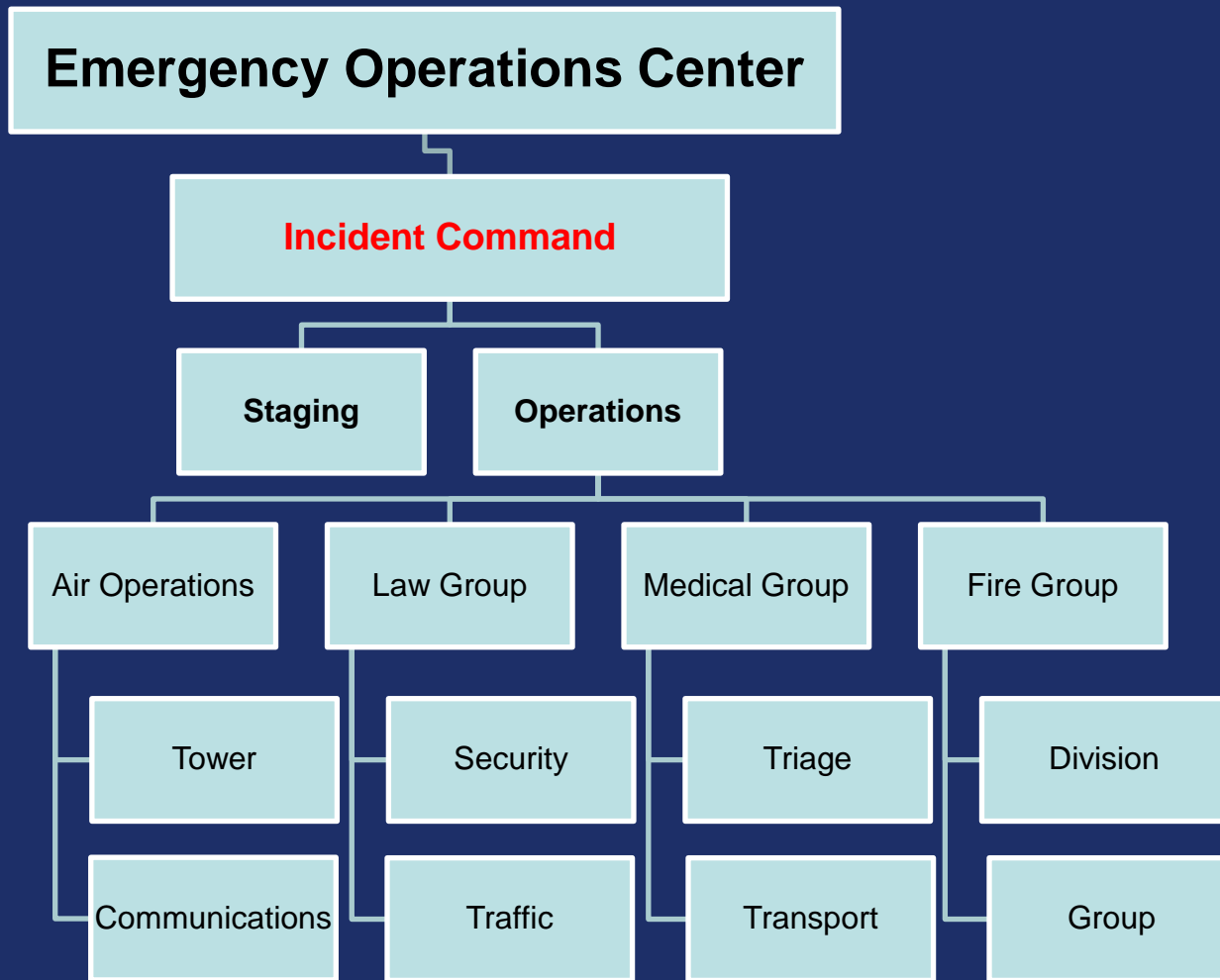
Agencies Involved- Pt 7,Chapter 3

- **Air traffic services**
- **Rescue fire fighting**
- **Police/ security**
- **Airport authority**
- **Medical services**
- **Hospitals**
- **Aircraft operators**
- **Government authorities**

**Federal Aviation
Administration**

Agencies Involved

- **Communication services**
- **Airport tenants**
- **Transportation authorities**
- **Rescue Co-ordination center**
- **Civil defense**
- **Mutual aid agencies (fire, police, other)**
- **Military**
- **Harbor patrol/ coast guard**

Federal Aviation Administration

Agencies Involved

- **Public Information office**
- **Customs**
- **Mental health agencies**
- **Public utilities**
- **Postal authorities**
- **Veterinary services**
- **Coroner**
- **Volunteer organizations**

Agencies Involved

- **International relief agencies**
- **Hazmat teams**
- **Bomb squads**
- **Water rescue teams**
- **Accident investigation agencies**

Federal Aviation Administration

Emergency Communications

- **Two way communications**
- **Back up modes**
- **Sufficient number of devices**
- **Primary & secondary means**
- **Direct communications**
- **Established protocols**

Communications Center

Communication Equipment

- **Traditional land lines**
- **Portable radios & cell phones**
- **Strict communication discipline**
- **A dedicated vehicle with self-contained power**
- **Recording devices with time insertion units**
- **Record all communications**
- **Using iPads & other hand-held devices**

Federal Aviation Administration

Alert Notification

- **Process used to notify and warn emergency response agencies, employees & tenants**
- **Process used to warn general public**
- **Ensure timely notification**
- **Methods & sequences of notifications**
- **Consider special needs groups**
- **Some people may ignore warning signal**

Emergency Response Notification

Agencies that should be notified on the initial call include:

- **Aircraft rescue fire fighting services**
- **Police departments**
- **Emergency medical services**
- **Air carrier/owner**

Federal Aviation Administration

Alert Notification

- **Describe systems & equipment available**
- **Under what conditions will it be used?**
- **Who is responsible?**
- **Include protocols for testing and deactivating the system**
- **Include maintenance of the system**

Notification Systems

- **Identify key personnel & organizations to be notified**

- **Identify the order in which the notifications should be sent**

- **Who initiates & makes the notifications?**

- **What methods will be used?**

- **How often will the message be updated?**

Notification Systems

- **Identify type of system for each type of emergency:**
  - Crash phone
  - Fire alarms
  - Sirens
  - Pagers
  - Text message
  - Radio
  - Automated systems

**Federal Aviation Administration**

Notification Systems

- **Procedures for special locations**
- **Procedures for special needs**
- **Pre-scripted Public Announcements**
- **Procedures for system failures**
- **Procedures for employee recall**

Federal Aviation Administration

Notification

- **Identify who has authority to initiate the system**
- **Identify who prepares the message**

Notification

- **Define meaning of all warning signals**
  - Alert I, II, III
- **Reference the contact list**
- **Attach charts, maps & grid maps to the notification SOPs**
- **Update the message**
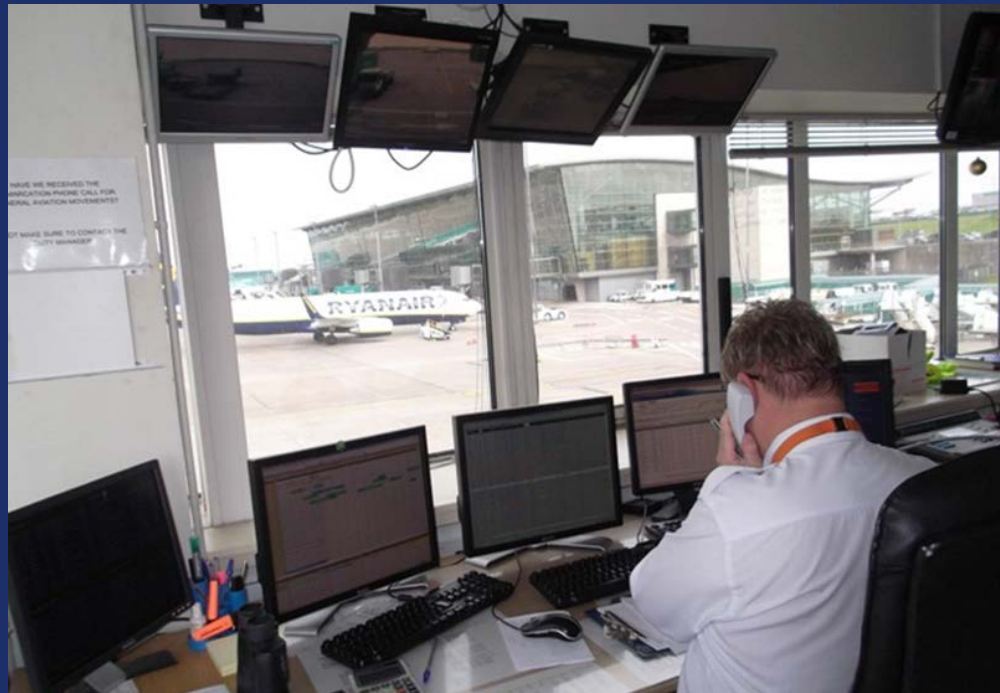
Emergency Public Information (EPI)

- **Information & instructions throughout the emergency period**
- **Public interest in the event**
- **Timely, accurate, useful**
- **Partnership with local media**
- **Media relationships**
- **Means of dissemination**
- **Audience**

Federal Aviation Administration

EPI

- **Message Content:**
  - Hazard & Risk
  - Date & Time
  - Protective measures/ instructions
  - Visual information
  - Assessment of current situation
  - Response actions initiated & in progress
  - Where to get help or more info

Personnel Resources
Our greatest resource is our …

- **Airport operations employees**
- **Airport management & supervisory personnel**
- **Airport maintenance staff**
- **Airport security**
- **Aviation regulators**
- **Air Traffic Controllers**

Federal Aviation Administration

Personnel Resources

- **Airline personnel**
- **Emergency responding agencies**
- **Accident investigators**
- **Public health organizations**
- **Mental health agencies**
- **Air navigation service providers**

Federal Aviation Administration

Personnel Resources

- **Airport tenants**
- **Media personnel**
- **Other airport authorities**
- **Other governmental agencies**
- **NGOs**
- **Clergy**

Federal Aviation Administration

Tabletop exercise

.

Federal Aviation Administration

Questions?

Federal Aviation Administration