



UNITED STATES
DEPARTMENT OF TRANSPORTATION

Using Freight Advanced Traveler Information Systems to Promote Urban Freight Mobility

South Florida's Emergency Management Smart Phone Application

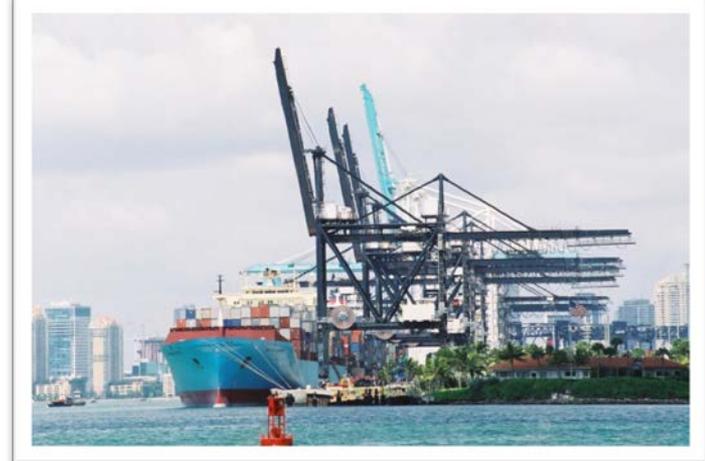
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South Florida's Freight System

- South Florida is home to several of Florida's largest international gateways
 - Port Everglades, Port Miami, Miami International Airport
- Significant growth in freight volumes are anticipated within an already congested urban area
 - Investments underway to expand freight capacity across all modes
- Florida is impacted annually by tropical storms and hurricanes
 - Established emergency management system in place
 - Local freight terminals work with public and private partners to disseminate key status reports



South Florida's FRATIS Components Address Pre-Trip Planning and Real-Time Trip Adjustments

- **Drayage Optimization**

- Integrated load matching and freight information exchange, including appointment scheduling and equipment availability at intermodal terminals

- **Increasing Emergency Preparedness and Response Efficiency**

- Targeted real-time information for natural disasters, including pre-event staging of supplies, post-event relief delivery coordination, and critical road/facility closures



Increasing Emergency Preparedness and Response Efficiency

■ Definition

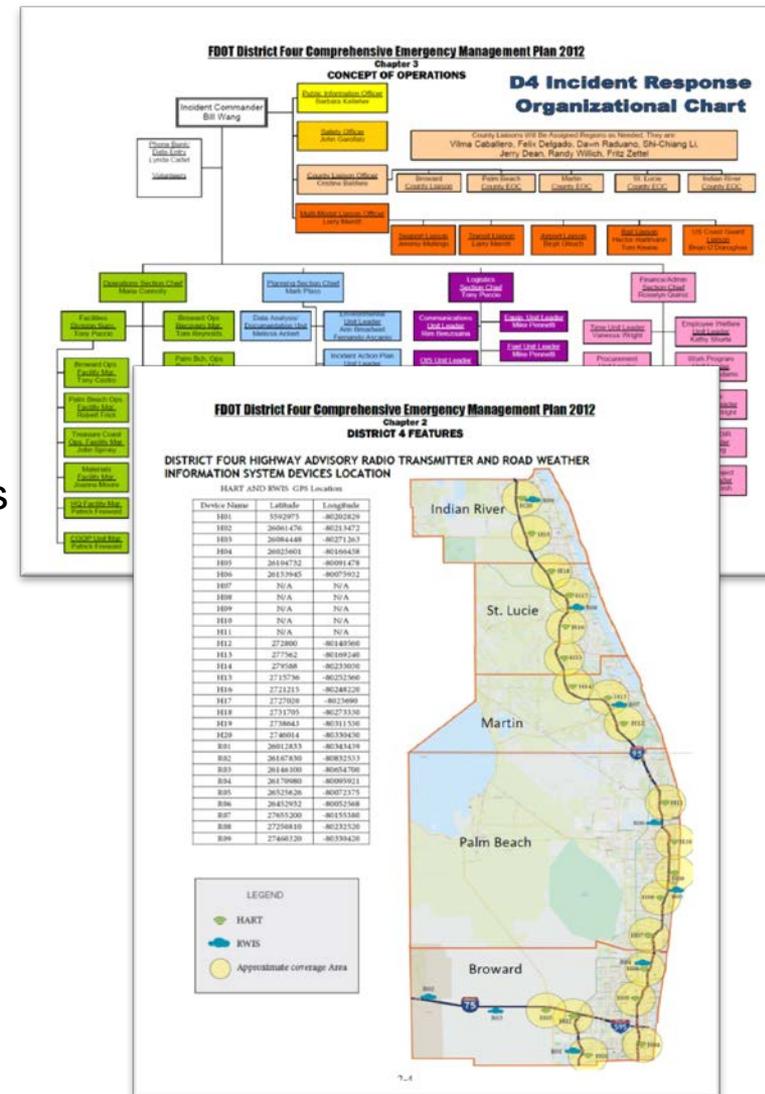
- Traveler information to support incident management and delivery of relief in the event of a natural disaster

■ Demonstration Goals

- Improve emergency response/recovery times
- Provide current information on travel conditions after the event
- Facilitate positioning and delivery of provisions

■ Includes development of necessary data consistent with the format of emergency management systems

- Make use of established agency protocols in South Florida
- Provide information to public and private stakeholders to support recovery efforts

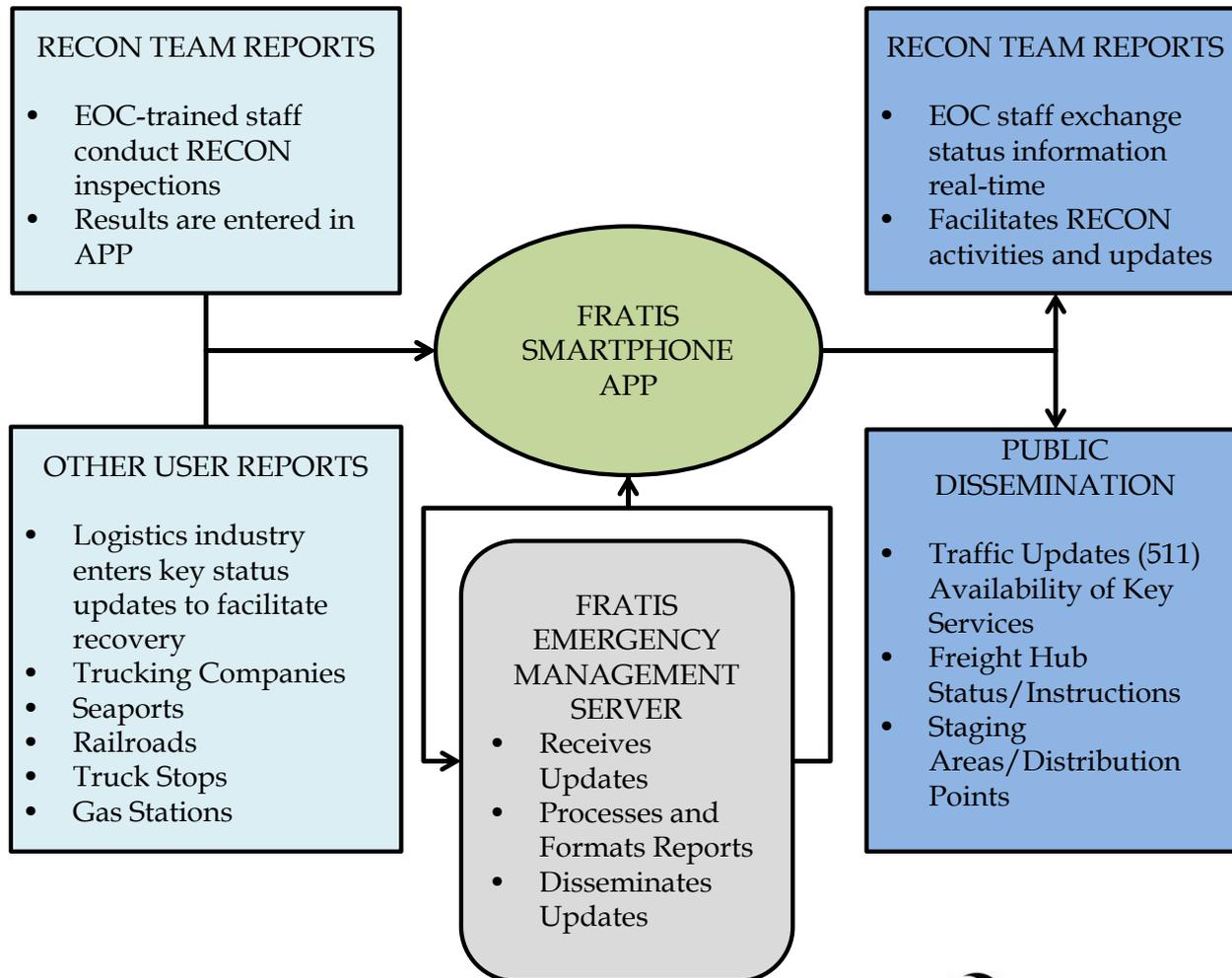


Smart Phone Mobile Application

- Automate manual processes and speed up reporting of conditions
- Streamline reporting/dissemination activities
- Maximize resources of emergency management
- Engage private businesses (e.g., trucking companies, seaports, freight terminals, gas stations, commercial/retail facilities)
- Provide enhanced real-time information



FRATIS Smart Phone Application



FRATIS App Users

- **Emergency Management Personnel**

- Full use of app features
- Required login to limit users to those trained on the app

- **Non-Emergency Management Personnel**

- Limited reporting capabilities
- Supplement information collected by Emergency Management Personnel relevant to freight movements

- **All users limited to safe reporting guidelines**

- No reports while moving unless user indicates they are a passenger and not an operator

It's very easy
to comply with the
new rules:

**No
REACHING
No
HOLDING
No
DIALING
No
TEXTING
No
READING**



Emergency Management Personnel

- RECON Reporting System
 - Teams have already received training on the paper method
 - No longer need to wait for RECON teams to return
 - Elimination of need to enter information from the paper report
- Information will be processed/filtered before being disseminated to app users
- Only categories relevant to freight movements will be reported back to app users
 - Debris
 - Flooding
 - Transportation



Non-Emergency Management Personnel

- Information fed into app will be supplemented by other users
 - Freight Hubs
 - Truckers
 - Points of Distribution
 - Gas Stations
 - Food Stores
 - Material Supply Stores
 - Other/Miscellaneous Information
- Users can validate or update a previous report
- Ideally information on retail locations would be provided by an “Official Company” update
 - Businesses benefit by informing their customers that they are open



Demonstration of Smartphone App

