

Hurricane Maria

Coordination/Command

AFDO

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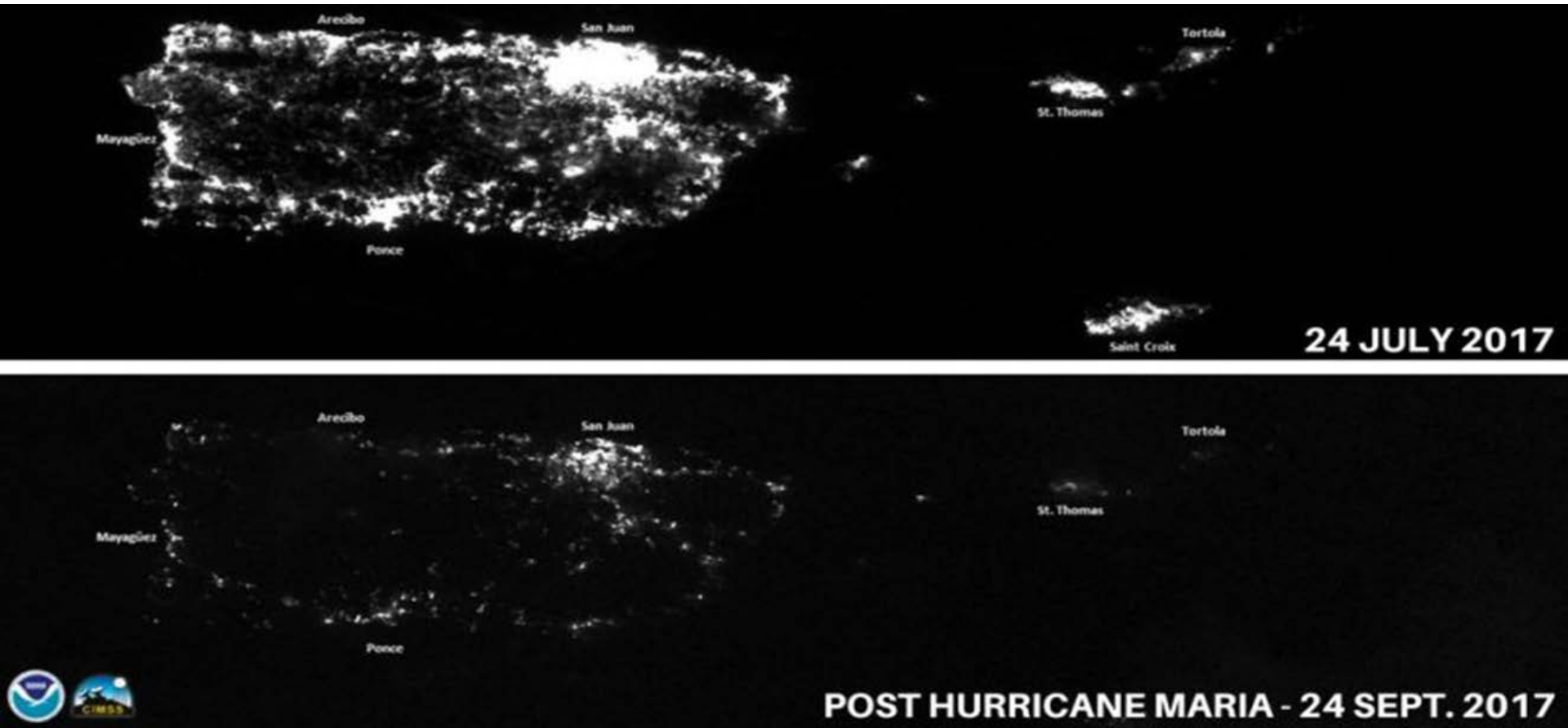


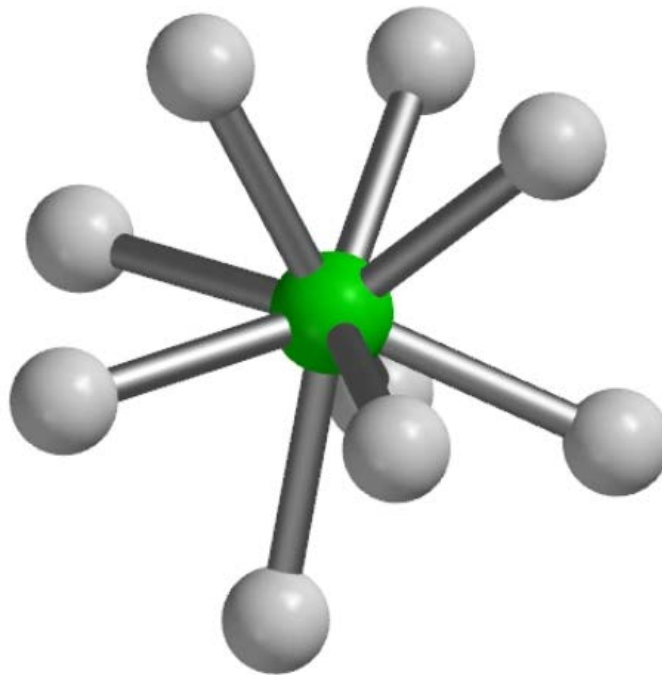
Statistics

- September 6th : Irma, a Cat 5 passes north of Puerto Rico leaving 1 Million with out power.
- September 20th : Maria, a powerful Category 4 storm plowed across the island with sustained winds of 155 mph, uprooting trees, downing weather stations and cell towers, and ripping wooden and tin roofs off homes. Electricity was cut off to 100% of the island, and access to clean water and food became limited for most.



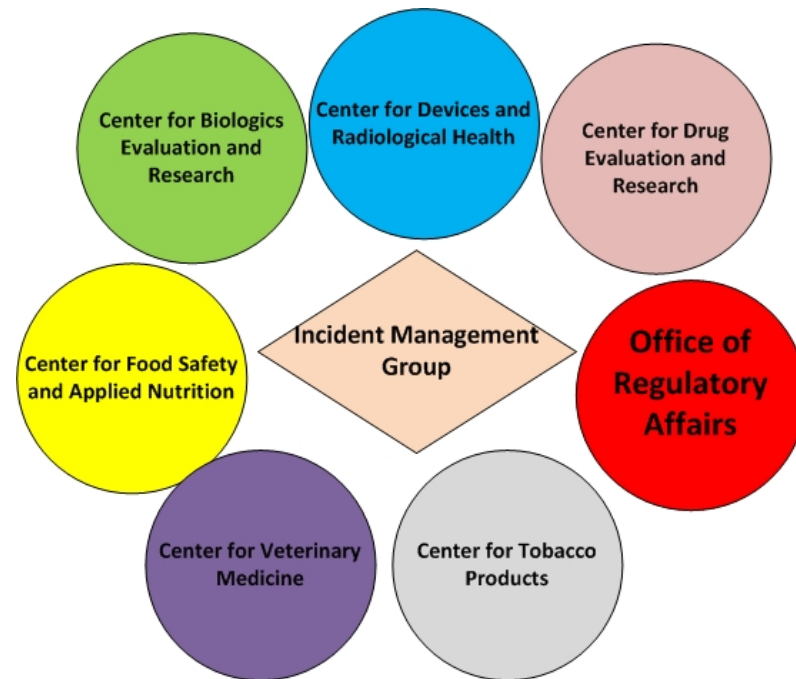
Before and After





Coordination

Incident Management Group

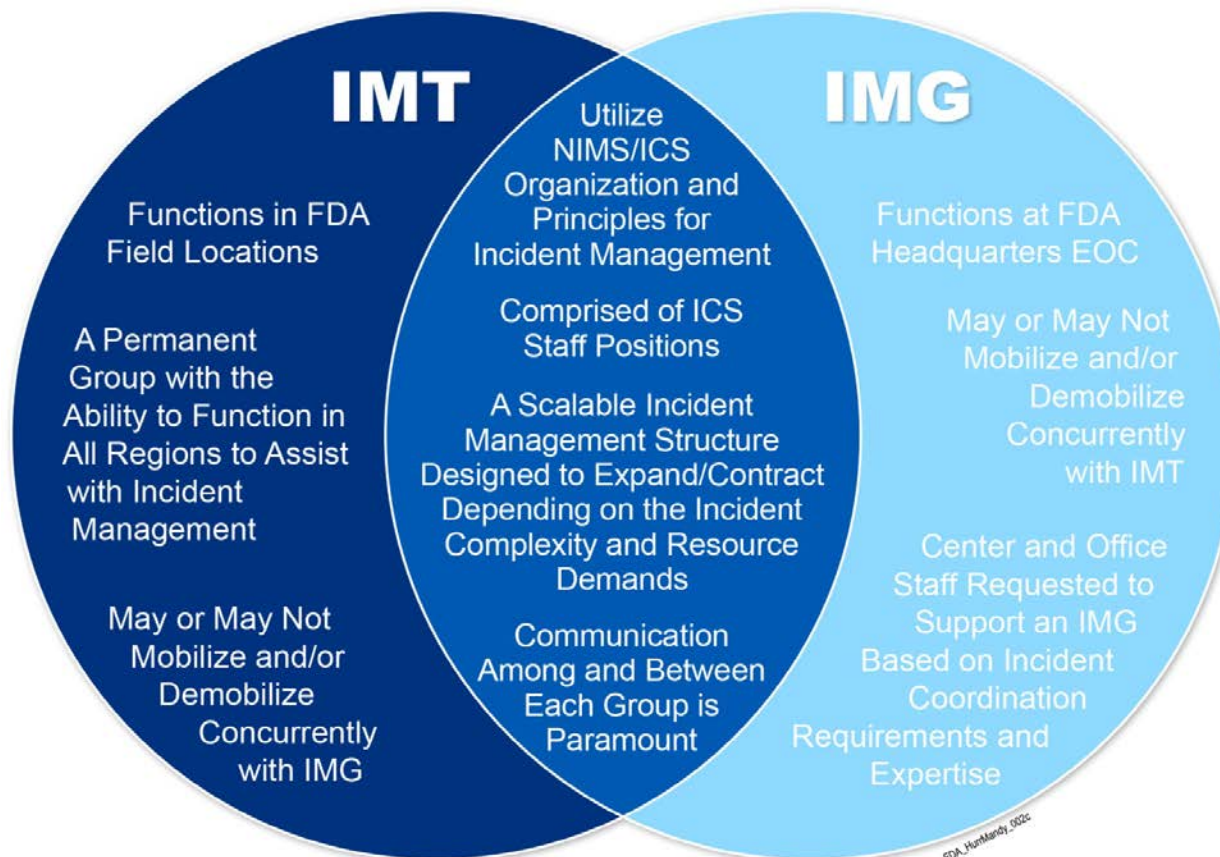


Incident Management Teams (IMTs) and Incident Management Groups (IMGs)

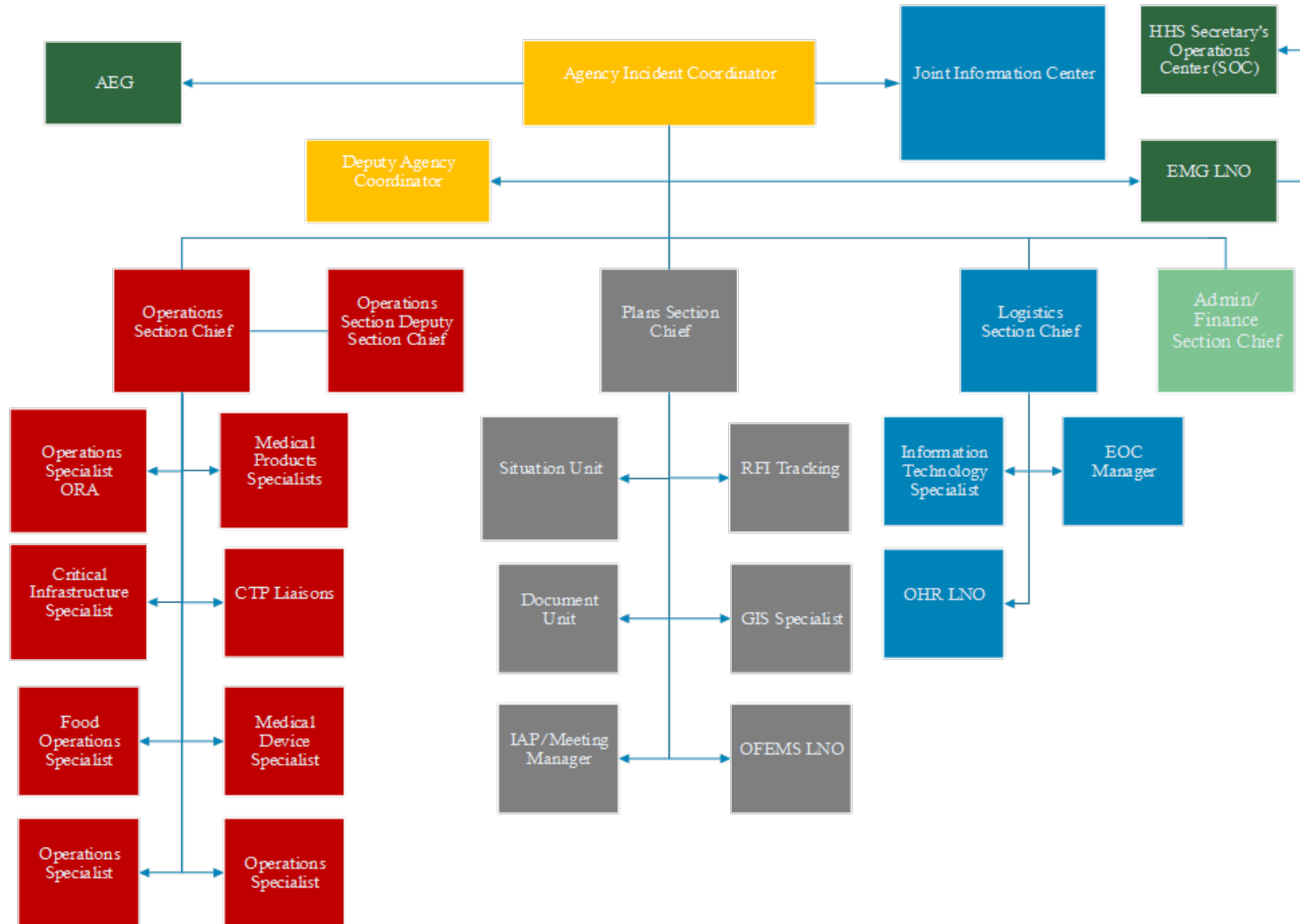


IMT and IMG Summary

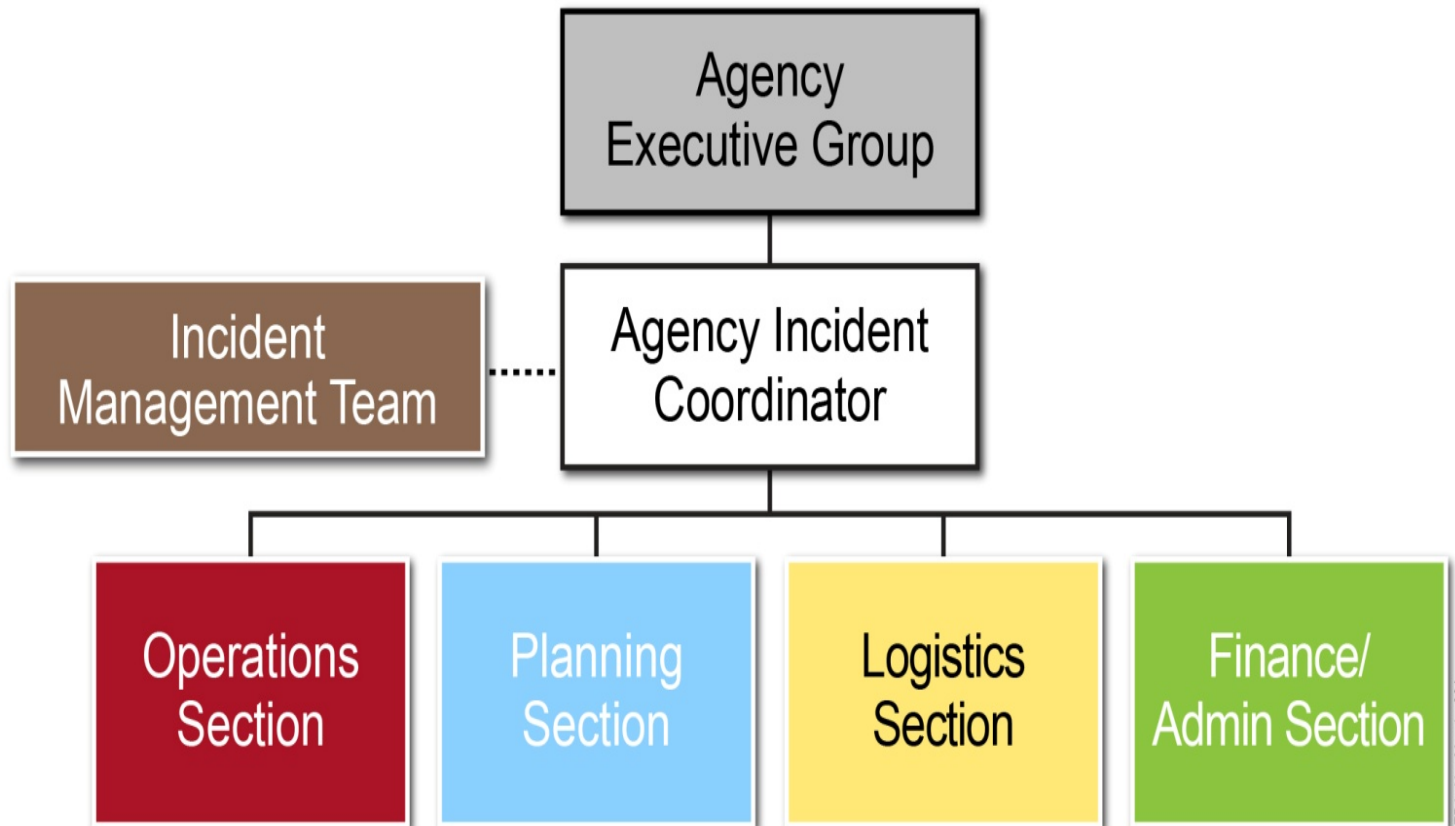
Similarities and Differences



Incident Management Group (IMG)



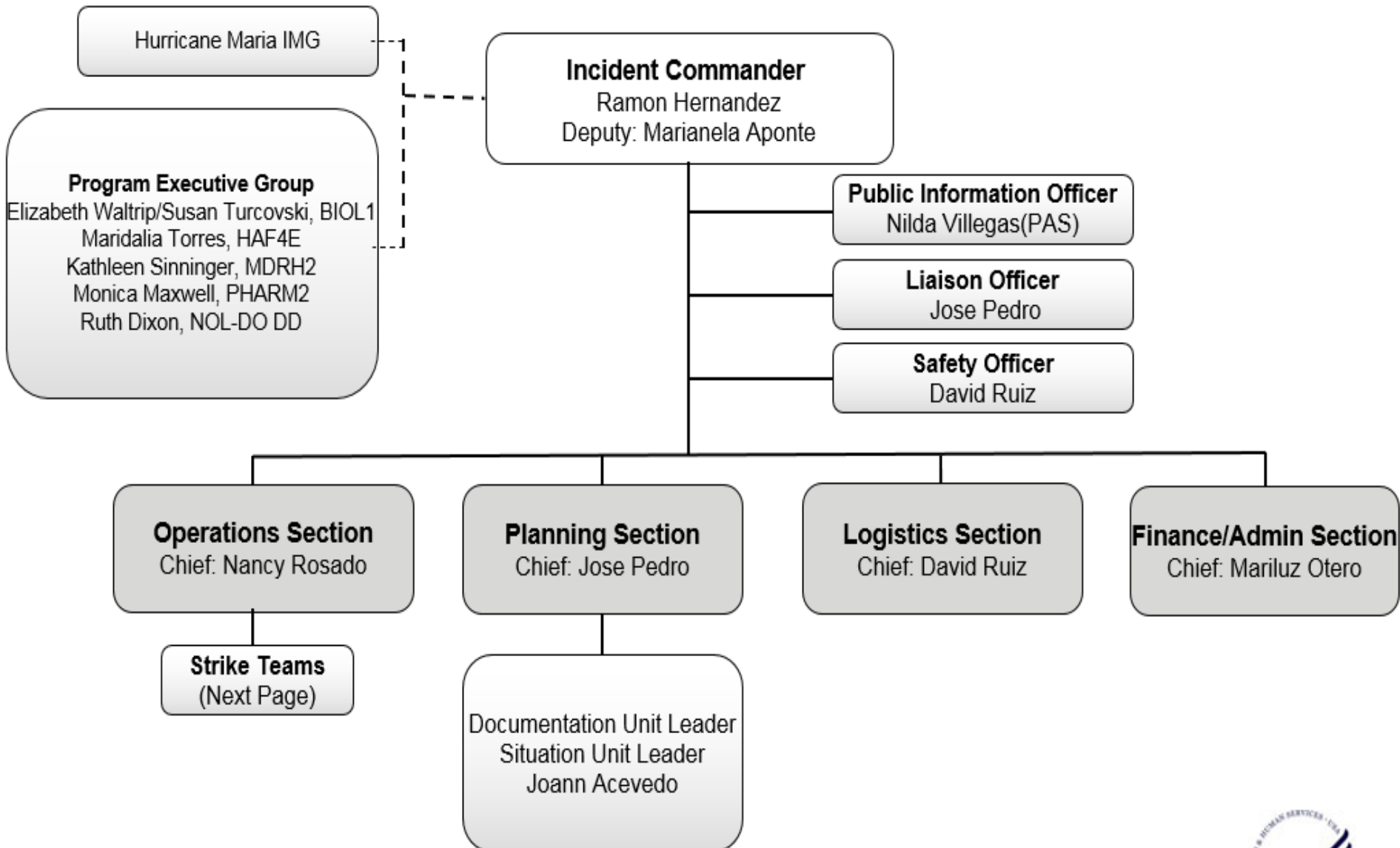
Basic IMG Structure



SJN-IMT: Command and Control



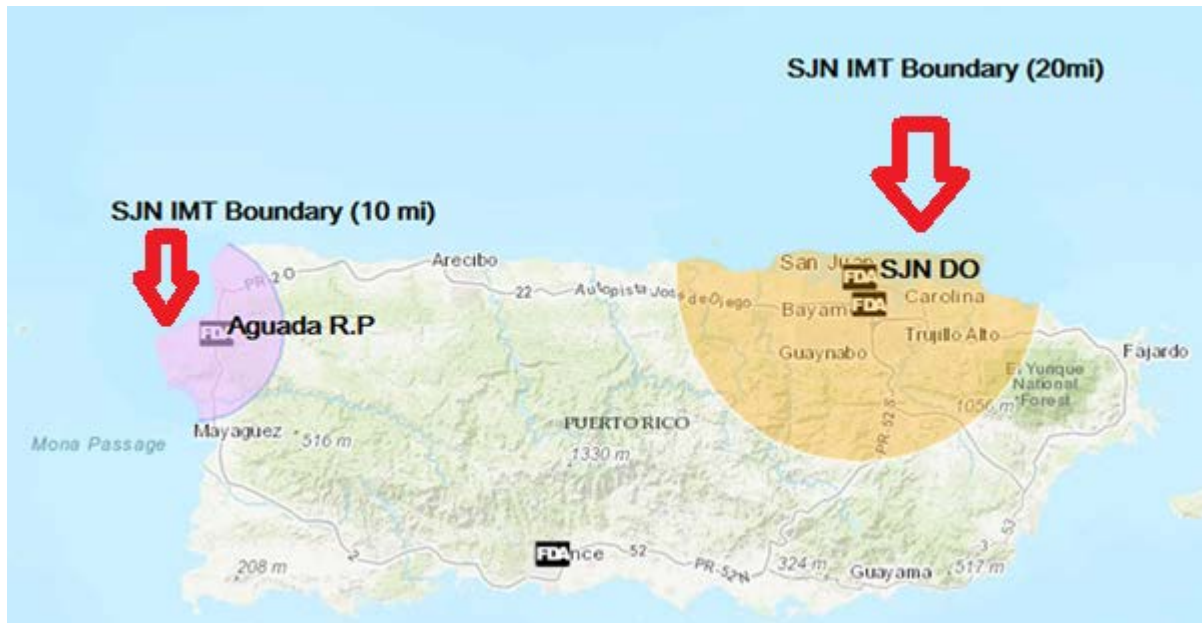
Hurricane Maria SJN-DO Incident Management Team





Response

- Operations: Strategy/Tactics- Blitz (physical visit)
- Logistics: MREs/Water/Communications
- Safety: Most Roads Closed
- Temporary Relief Center- Phones/Wifi/Showers



Response

- MOU- Environmental Health Department
 - Retail Foods
 - Water Producers



Response

- Hurdles
 - Water
 - Communications
 - Travel/Traffic (lights not working)
 - Accountability (home visits)





Response

- Results

Total Number of On-Site Firm Assessments

All Firms			
Food	Biologics	Device	Drugs
306	44	92	111

- Lessons Learned

- Geocoding Personnel
- Local Response Plans
- Annual Training
- Communications

Post-Response

Post assessment- Transfer:

- Firm follow-up transferred over to Program Divisions
- Field and Centers continue to work with regulated industry



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Drug Safety and Availability

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- Medication Guides
- Drug Safety Communications
- Drug Shortages
- Postmarket Drug Safety Information for Patients and Providers
- Information by Drug Class
- Medication Errors

FDA works to help relieve the IV fluid shortages in wake of Hurricane Maria

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[11/14/2017] The U.S. Food and Drug Administration is actively working with drug manufacturers to address critical shortages of IV fluids aggravated by Hurricane Maria's impact on Puerto Rican drug manufacturing facilities.

Because the hurricane disrupted Baxter International's IV fluid production facilities in Puerto Rico, FDA has not objected to the temporary import from Baxter facilities in Ireland, Australia, Mexico and Canada and from B. Braun in Germany. B. Braun recently [announced](#) they were slowing production. It is important to note that when FDA exercises regulatory discretion with respect to importation of a medically necessary drug from another country, the agency evaluates the foreign firms and drug products to ensure they are of adequate quality and do not pose undue risks to patients. A letter from the company explaining that the drug is being imported to address a shortage is posted on the [FDA Drug Shortages webpage](#) and accompanies the drug when it is shipped.

SJN-IMT



Acknowledgements

This presentation would not have been possible without the input from Ramon and Marianela...thanks to them and their team also for the great response, and cool demeanor under extreme circumstances.

- SJN IMT:
 - Ramon Hernandez, Incident Commander
 - Marianela Aponte, Deputy Incident Command



