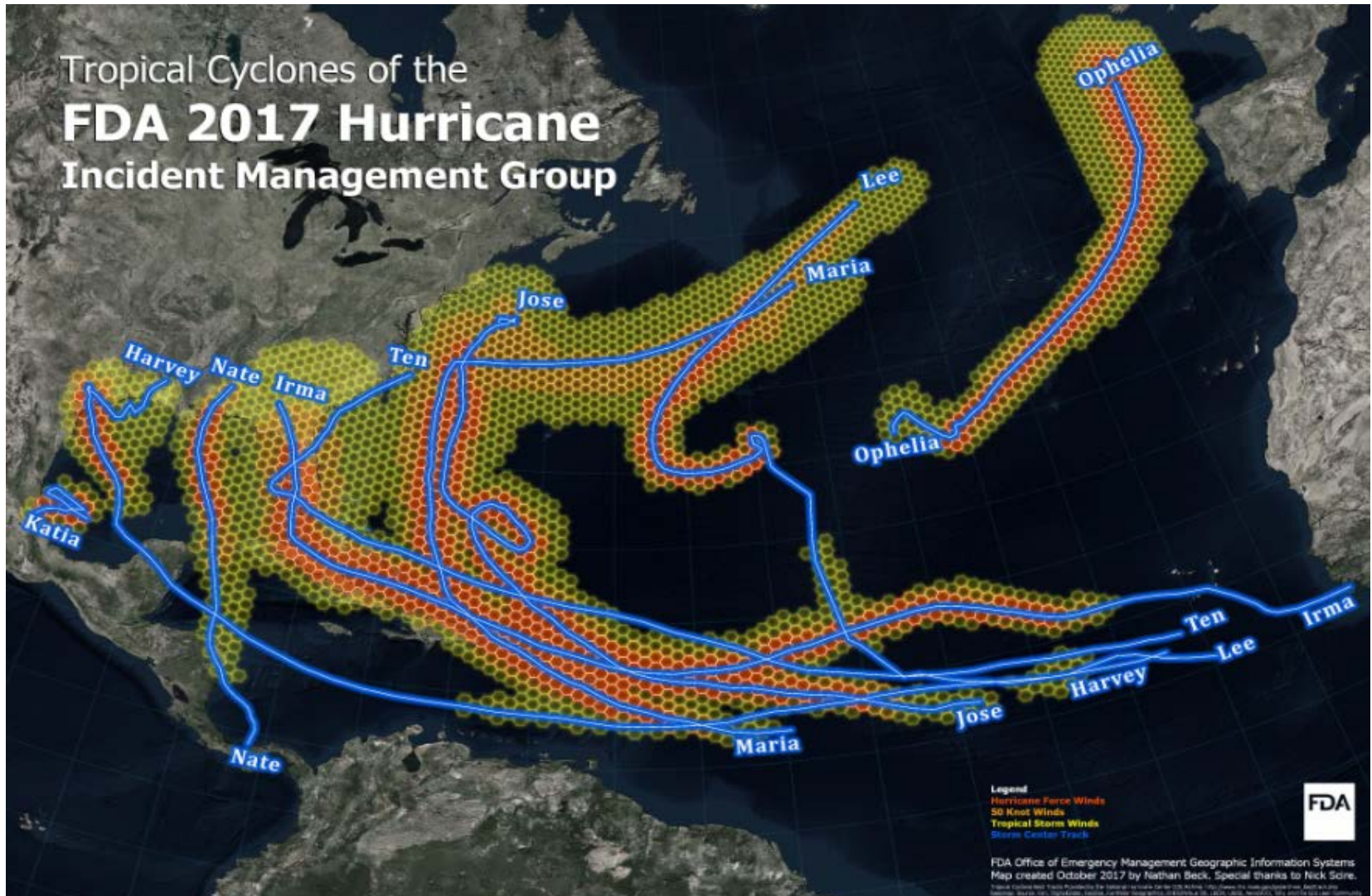




Lessons Learned: Hurricane Harvey and Irma

Rebecca Dreisch, MS
Senior Emergency Response Coordinator
Office of Human and Animal Food Operations
Office of Regulatory Affairs
U.S. Food and Drug Administration
June 11, 2018

2017 Storm Response



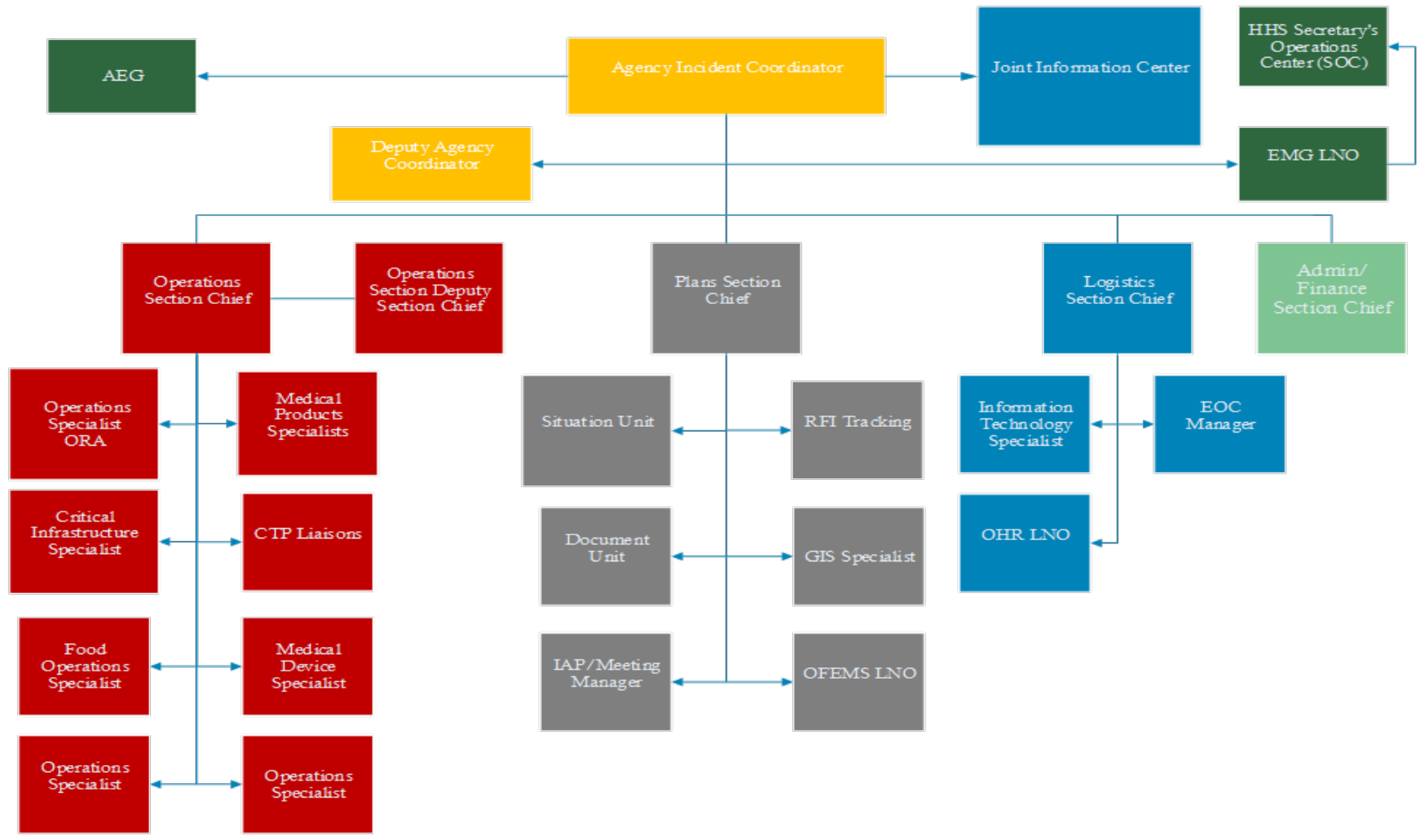
HQ Response

- FDA Emergency Operations Center
 - activated to Operational Level 2 (Increased Response Operations) on 24 August 2017
 - First Situation Report Issued
 - Communication
 - FEMA
 - HHS
 - FDA Emergency Response Personnel at District (DAL and NOL)
 - FDA Center Offices
 - Senior management
 - Emergency response personnel
 - Office of Media Affairs
 - GIS mapping

HQ Response

- HQ Incident Management Group (IMG)
 - Responsible for Coordinator/Communication of field response activities
 - Activated on 29 August 2017
 - Demobilized on 13 November 2017
 - Continuity of Operations related to Hurricane Maria continued through Various HQ Center and Field Divisions Offices

Incident Management Group (IMG)

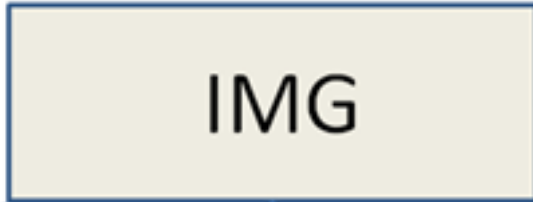
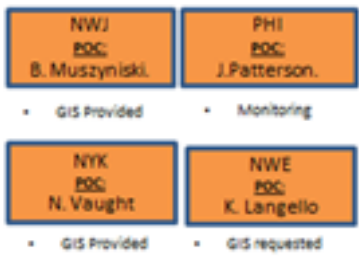


Field IMT Summary Flow

9/19/17 (pm)



"Alert"

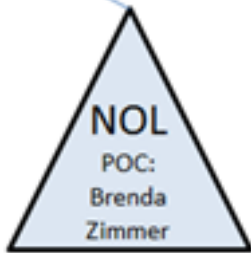
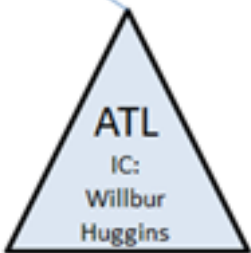


"Stand-by"



H. JOSE (proj. landfall Tues- Thurs)

- Single POC
- Will assess Jose damage post-landfall
- On Stand-by to assist other teams



- IAP- Thru 20th
- Working thru lists

- IAP- thru 22nd
- Maria Landfall projected Tues/Wed
- Top Industry Assessments requested for Friday (if needed)
- Prioritized list requested for Mon (if needed)

- IAP thru 9/25
- IMT Working thru lists (~7,300 firms)

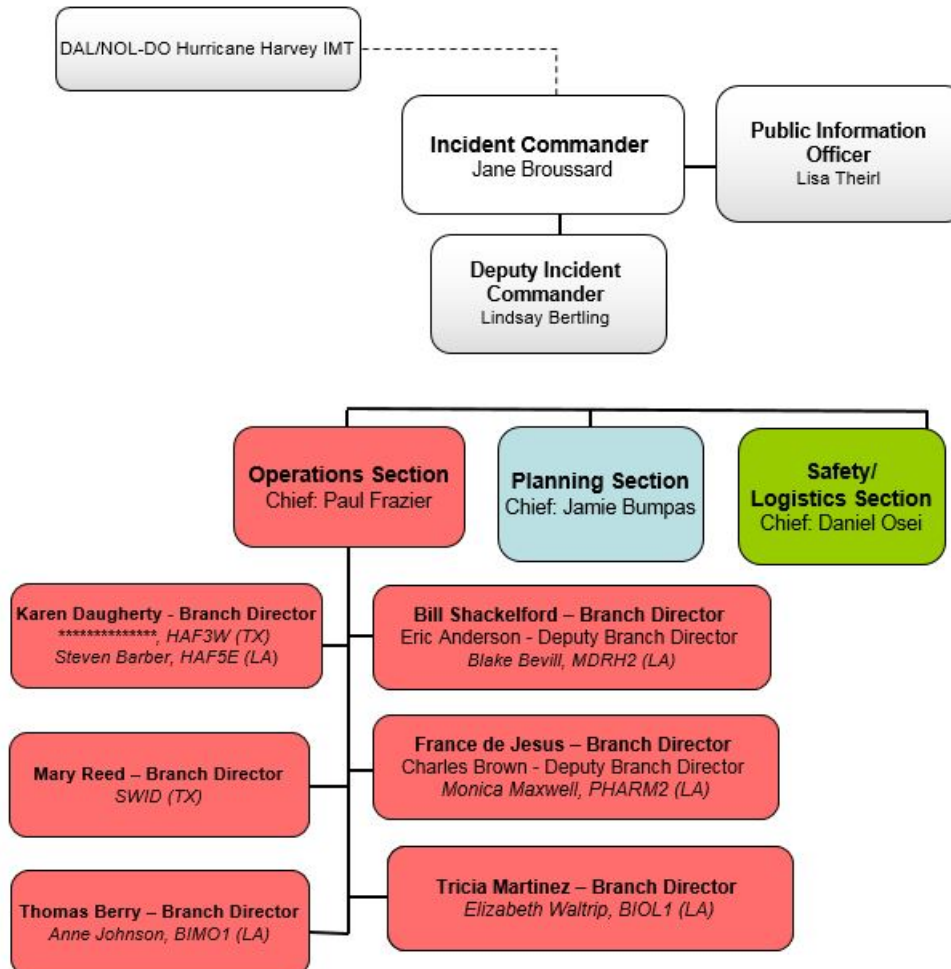
- IMT (C+G) working thru lists (~4,400 firms)

- Single POC
- Working thru Lists (960 AL/ 302 TN)

Field Response

- DAL/NOL IMT Hurricane Harvey
 - Activated 30 August 2017
 - Demobilized 6 October 2017
 - Remaining IMT operations were turned over to FDA/ORR Program Areas
- Firm outreach by phone
- On site assessments if warranted

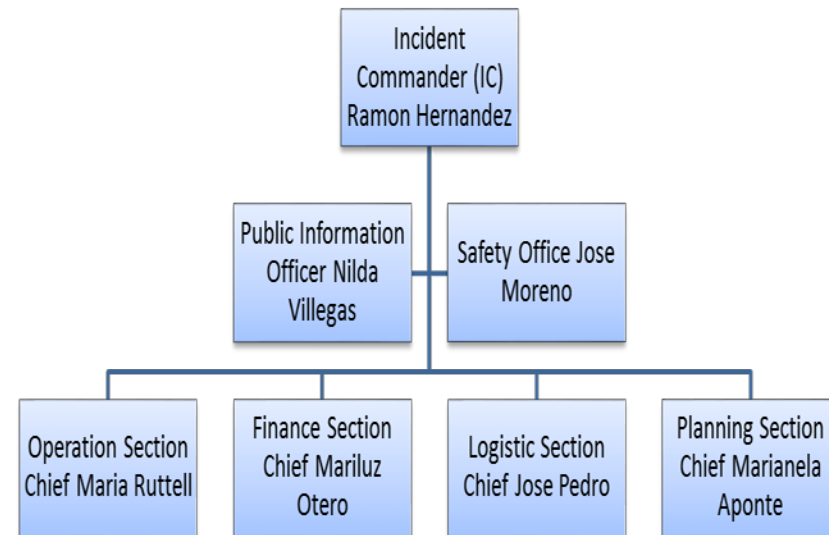
DAL/NOL Hurricane Harvey Incident Management Team



Field Response

- SJN IMT Hurricane Irma
 - Activated 5 September 2017
 - Demobilized 18 September 2017
- Firm outreach by phone
- On site assessments if warranted

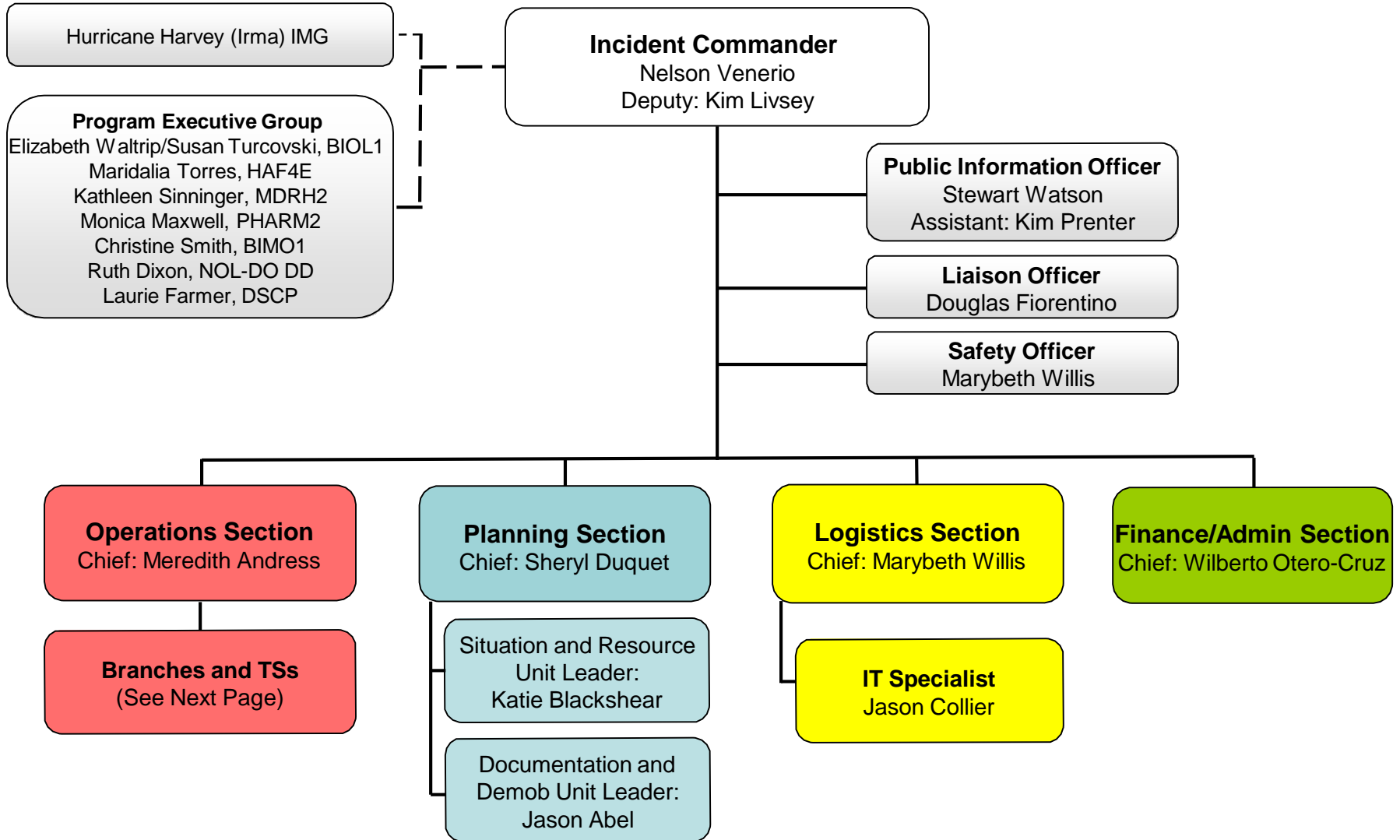
Hurricane Irma –San Juan District IMT-
September 2017



Field Response

- FLA IMT Hurricane Irma
 - Activated 18 September 2017
 - Demobilized 6 October 2017
 - Remaining IMT operations were turned over to FDA/ORR Program Areas.
- Firm outreach by phone
- On site visits if warranted

Hurricane Irma FLA-DO Incident Management Team



Operations Section
Chief: Meredith Address

Program Technical Specialists
Blake Bevill – Devices
Pilar Barido – BIMO
Lisa Harlan – Biologics
Andrea Charles-Julien – Food
Doug Jones or Lequita Mayhew – Drugs

Branch I
Director: Ashley Jelonek

Branch II
Director: Lawrence Butler

Group 1
Supervisor: Danielle Maddox

Assessment Team Alpha
Tyrone Thomas
Christopher Adams
Richard Bashay
Abby Mozeke-Baker
Karen Bak
Timothy Schmidt

Group 2
Supervisor: Dana Carter

Assessment Team Delta
Brandon Pitts
Kenneth Smalls
Charles Boison
Nicole Dunkijacobs
Melissa Kalik
Mark Rivero

Group 5
Supervisor: Bonnie Conley

Assessment Team Mike
Lili Carr
Eric Fox
Jennifer Ness
Kathleen Tormey
Nyvia Burgos
Gina Chen

Group 6
Supervisor: Sharon Giamberini

Assessment Team Papa
Patty Drinkard
Lorenzo Jones
Karen Anderson
Bruce Quijano
Sheirly Reyes

Group 3
Supervisor: Blaine Lewis

Assessment Team Golf
Jasmine Cintron
Eric Holm
Rodney Lenger
Tracy Reed
Sandra Younger
Donald Mee
Shawn Lopez Rodriguez

Group 4
Supervisor: Israel Juarbe

Assessment Team Juliet
Nancy Lucas
Anastasia Offordile
Eileen Bannerman
Aubrey McBean
Sony Suprinvil
Saundrea Munroe
Frances Rivera

Group 7
Supervisor: John Bernal

Assessment Team Sierra
Aaron Coleman
Marinee Flores-Marrero
Anabel Viega
Deborah (Debbie) S. Ward

Lessons Learned: Hurricane Harvey and Irma



Hot Wash and After Action Review

- Field IMTs
 - Hot Wash
 - After Action Review (AARs)
- HQ facilitated a Multi-Tiered AAR Process
 - All IMTs
 - Program Executive Group for IMTs
 - PEG new to IMT process post program alignment
 - Comprised of program leadership
- HQ IMG

Lessons Learned: HQ IMG

- Joint Information Center
 - Internal and External communication
- Resources
 - Multiple operational periods
- Multiple IMTs activated simultaneously
 - Local impacts to staff
 - Power outages/flooding
 - Staffing/accountability issues

Lessons Learned: HQ IMG Continued

- IMG Training Needs
 - Expand across all Centers
- Preparedness
 - Annual exercises
- Multiple Hurricanes
 - First time on record, three Category 4 hurricanes made landfall in the U.S.: Harvey, Irma and Maria.

Lessons Learned: Field IMTs

- Preparedness/Training
 - Management needs basic ICS training
 - Include exercises with management
 - Better understanding of ICS principles needed throughout ORA
 - Considering specialized/dedicated IMTs for large scale disasters
 - Refresher training for personnel
- Resources
 - Dedicated
 - All Hands on Deck
- Communication and coordination
 - Internal and external stakeholders

Lessons Learned: Field IMTs Continued

- Activation/Demobilization
 - When; where; who
- Command and General Staff
 - On site vs virtual
- Develop priorities prior to Hurricane season
 - Firm lists
- Develop standardize forms prior to disaster
 - Questionnaires
 - Phone
 - On-site assessments

Lessons Learned: Field IMTs Continued

- Program Alignment
 - Geographic vs programmatic
 - Scale of event
 - Available resources
 - Inventory Assessments
- Information gathering challenges due to impact
 - Logistics
 - Safety
 - Communication
- Command and General Staff members were new to their assigned IMT positions.
 - On the job training
 - Mentor availability across Agency

Coordination and Communication is Key



Lessons Learned = Preparedness



Acknowledgements

- SJN IMT:
 - Ramon Hernandez, IC
 - Marianela Aponte, DIC
- DAL/NOL IMT
 - Jane Broussard, IC
 - Lindsey Bertling, DIC
- FLA IMT:
 - Nelson Venerio, IC
 - Kimberly Livsey, DIC
- ATL IMT
 - Wilbur Huggins, IC

