The Disaster Center is dedicated to the idea that disaster mitigation is cost effective and individuals pursuing their own interest are the greatest potential force for disaster reduction.

Please consider making a small donation to the Disaster Center



When disaster mitigation is cost effective, we are on the road to bringing disasters to an end.



FEMA

Daily Operations Briefing

Saturday, September 15, 2018 8:30 a.m. EDT

Significant Activity – Sep 14-15



Significant Events: Tropical Storm Florence

Tropical Activity:

- Atlantic Tropical Storm Florence; Tropical Storm Helene; Tropical Storm Joyce; Remnants of Isaac;
 Disturbance 1: Low (10%)
- Eastern Pacific Disturbance 1: High (80%)
- Central Pacific No activity affecting U.S. interests
- Western Pacific No activity affecting U.S. interests

Significant Weather:

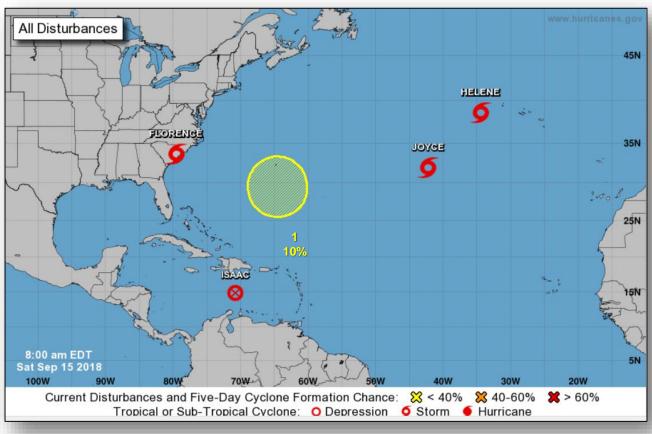
- Strong to severe thunderstorms southeast NC & extreme northeast SC
- Heavy rain with flooding/flash flooding & storm surge possible Southern TX & the Carolinas to Mid-Atlantic
- Critical/Elevated/Extremely Critical fire weather CA, OR, NV, AZ, UT, ID, CO, WY, & MT
- Red Flag Warnings AZ, NV, UT, CO, WY, MT, & ID

Declaration Activity:

- Major Disaster Declaration Approved North Carolina
- Major Disaster Declaration Request South Carolina
- Amendment No. 2 to FEMA-3399-EM-HI

Tropical Outlook – Atlantic





Tropical Storm Florence

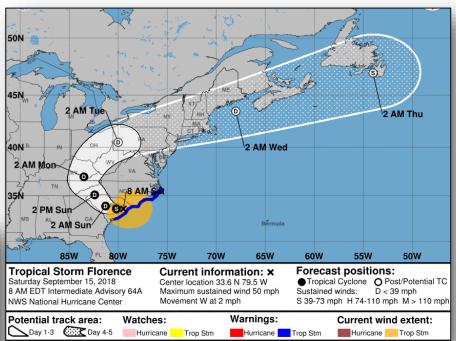


<u>Tropical Storm Florence</u> (Advisory #64A as of 8:00 a.m. EDT)

- Located 35 miles W of Myrtle Beach, SC
- Moving W at 2 mph
- Maximum sustained winds 50 mph
- Tropical-storm-force winds extend 175 miles





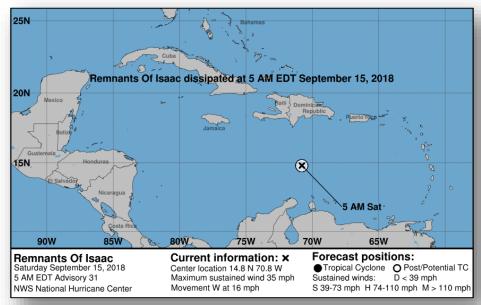


Remnants of Isaac



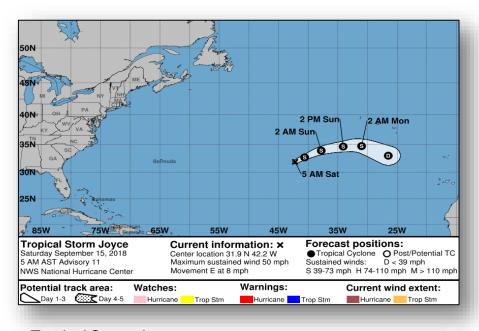
Remnants of Isaac (Advisory #31, as of 5:00 a.m. EDT)

- Located 260 miles SSW of Santo Domingo, Dominican Republic
- Moving W at 15 mph
- Maximum sustained winds are 35 mph
- There are no coastal watches or warnings in effect



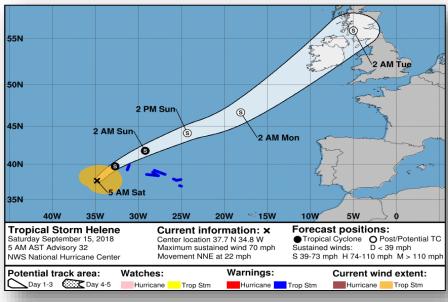
Tropical Storm Helene & Joyce





<u>Tropical Storm Joyce</u> (Advisory #11 as of 5:00 a.m. EDT)

- · 995 miles WSW of the Azores
- · Moving E at 8 mph
- · Maximum sustained winds 50 mph



Tropical Storm Helene (Advisory #32 as of 5:00 a.m. EDT)

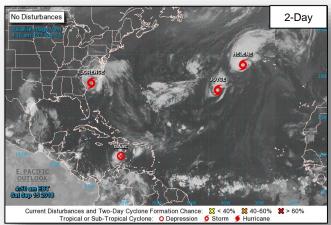
- · 425 miles W of the Azores
- Moving NNE at 22 mph
- Maximum sustained winds 70 mph
- Tropical Storm Warnings issued for the Azores Islands

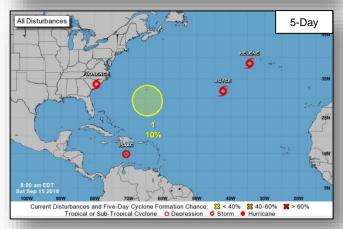
Tropical Outlook – Atlantic

Disturbance 1 (as of 8:00 a.m. EDT)

- A broad area of low pressure could form near Bermuda early next week
- Additional development is expected to be slow while the system moves little
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (10%)





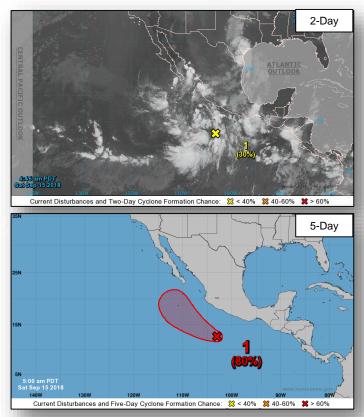


Tropical Outlook – Eastern Pacific



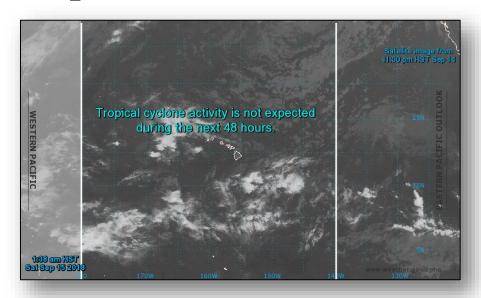
Disturbance 1 (as of 8:00 a.m. EDT)

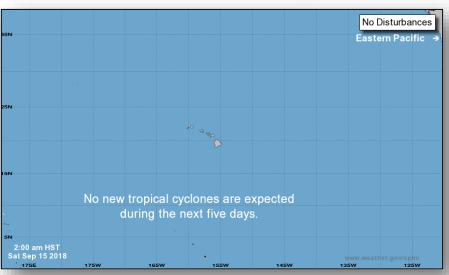
- Several hundred miles south of the southern coast of Mexico
- Moving WNW at 10 mph
- Gradually becoming better organized
- Tropical depression likely to form by Tuesday Formation chance through 48 hours: Low (30%)
- Formation chance through 5 days: High (80%)



Tropical Outlook – Central Pacific







48 Hour Outlook

5 Day Outlook

Tropical Storm Florence



Situation

Florence is moving slowly over SC. NC and SC expected to receive record amounts of rainfall; an additional 20 to 25 inches of rain with isolated storm totals of 30 to 40 inches possible. This rainfall will produce life-threatening flash flooding and river flooding, along with an elevated risk for landslides.

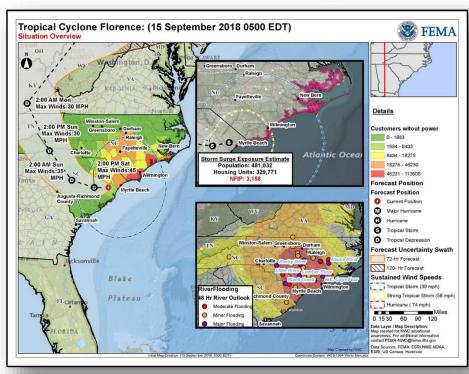
Storm Surge - Heights above ground

The combination of a dangerous storm surge and the tide will cause normally dry areas near the coast to be flooded by rising waters moving inland from the shoreline.

- The Neuse, Pamlico, Pungo, and Bay Rivers
- Ocracoke Inlet NC to Cape Lookout, NC
- Cape Lookout NC to Cape Fear, NC
- · Cape Fear, NC to Myrtle Beach, SC

Rainfall

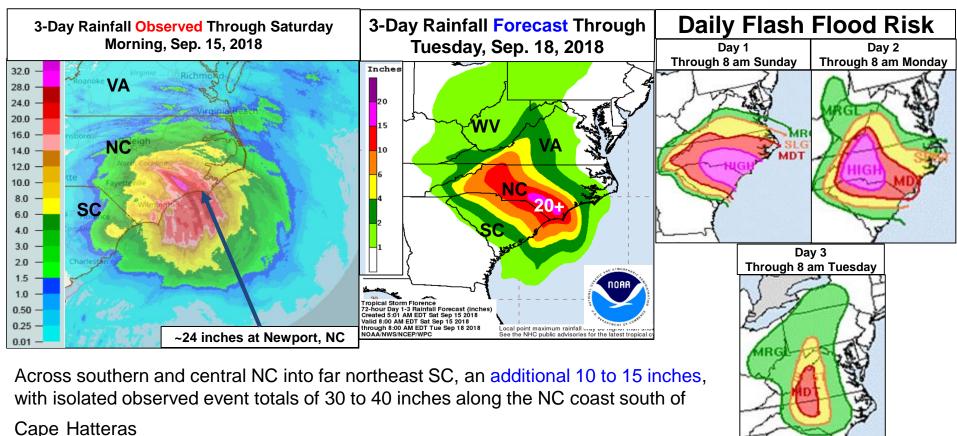
- Southeastern coastal NC into far northeastern SC: an additional 10 to 15 inches, with isolated storm totals of 30 to 40 inches
- Remainder of SC and NC into southwest VA: 5 to 10 inches, isolated 15 inches
- Isolated areas across southeastern NC: Over 24 inches reported



*Note: Customer outage data is provided by the Department of Energy's EAGLE-I system. Comprehensive National coverage of all electrical service providers is not available.

NWS Weather Prediction Center





Tropical Storm Florence – Lifeline Analysis



Safety & Security

- Swift Water Rescues began overnight and continue in both NC and SC
- Mandatory and Voluntary evacuations in effect for low lying/coastal areas

Food, Water and Shelter

 Shelters: 249 (+44) open with 17,576 (+3,506) occupants across 3 states (NC, SC, & VA) (ESF-6 as of 6:00 a.m. EDT)

Health and Medical

• 5 confirmed fatalities in NC (2 unconfirmed)

Energy

- Power Outages (DOE EAGLE-I as of 6:30 a.m. EDT)
 - VA: 2.7K customers out and rising
 - NC: 777K customers out and rising
 - SC: 165K customers out and rising

Communications

No destabilizing factors reported



Transportation

- · Airports:
 - NC: Most airports closed, one regional airport open for emergency operations
 - SC: Charleston International Airport closed, some regional airports closed
- Rail / Transit:
 - Suspended/modified schedules across impacted area
 - o VA: Freight train movement with hazmat loads suspended
- Ports: Major ports in NC, SC, & VA closed; some ports in SC, VA, DC, MD & GA open with restrictions

Hazardous Waste

· No destabilizing factors reported

Tropical Storm Florence



- RRCC at Level I, 24/7
- LNOs and DCO/DCE deployed to GA, NC and SC
- IMAT 1 deployed to NC; IMAT 2 deployed to SC
- Regional HLT deployed to NHC

North Carolina (FEMA-3401-EM-NC)

- FEMA-4393-DR-NC approved
- · EOC at Full Activation; State of Emergency declared
- US&R: Red IST, 3 Type 1; 4 Type 3; 12 MRP Water Team

South Carolina (FEMA-3400-EM-SC)

- · EOC at Full Activation; State of Emergency declared
- US&R: 4 Type 1; 1 MRP Water Team; 1 HEPP

<u>Georgia</u>

EOC at Full Activation; State of Emergency declared

<u>Tennessee</u>

EOC at Monitoring (EMAC support)

Kentucky

EOC at Monitoring (EMAC support)



Region III

- RRCC at Level II (day shift), Level III (night shift) with all ESFs, DOD USCG, DHS IP, ARC;
- LNOs deployed to NRCC, VA EOC
- · 2 IMATs deployed to VA

Virginia (FEMA-3403-EM-VA):

- EOC at Full Activation; State of Emergency declared; National Guard activated
- US&R: 2 Type 3; 3 MRP Water Teams

State Response

- MD EOC at Partial Activation (days); State of Emergency declared
- WV EOC at Full Activation, State of Emergency declared
- DE EOC at Monitoring

Region II

- RRCC deactivated Friday morning; RWC at Steady State (24/7)
- NJ EOC returned to Normal Operations; USAR Incident Coordination Center activated and supporting NJ USAR Task Force 1 in NC

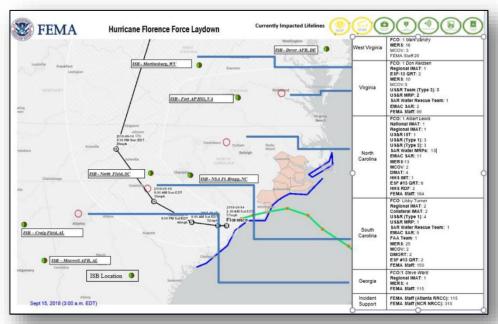
Tropical Storm Florence



Response

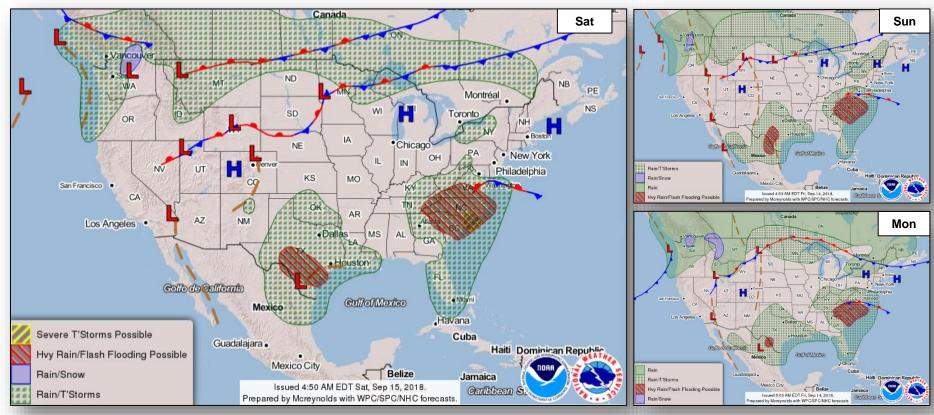
FEMA HQ

- NRCC at Level I, 24/7 with all LNOs and ESFs
- National IMAT East-1 deployed to NC EOC
- Composite IMAT deployed to SC EOC
- Region I IMAT staged in VA
- Region V IMAT staged in DC
- Region VIII IMAT deployed to Region IV HQ
- MERS assets deployed
- Staging Areas established at Ft A.P. Hill, VA and Martinsburg, WV



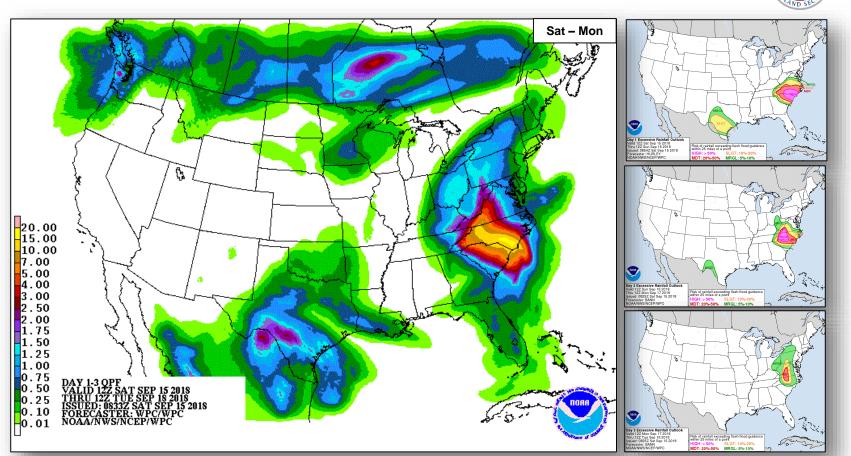
National Weather Forecast





Precipitation / Excessive Rainfall Forecast





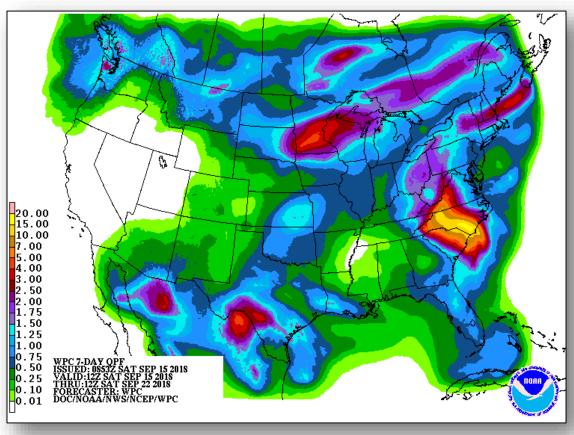
Sat

Sun

Mon

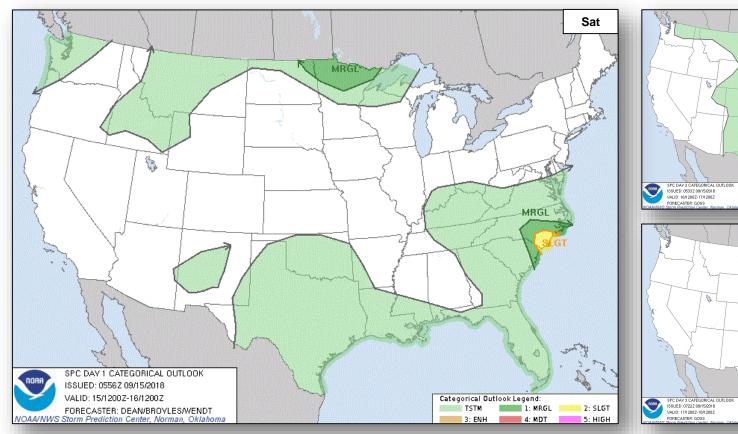
7-day Forecast Precipitation

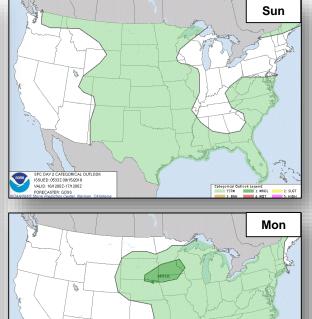




Severe Weather Outlook

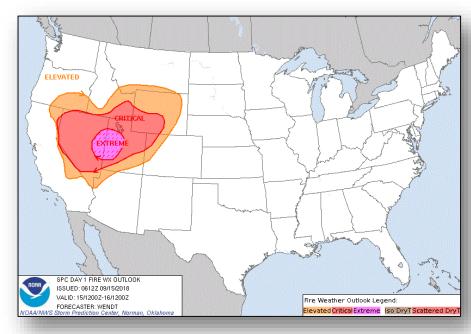


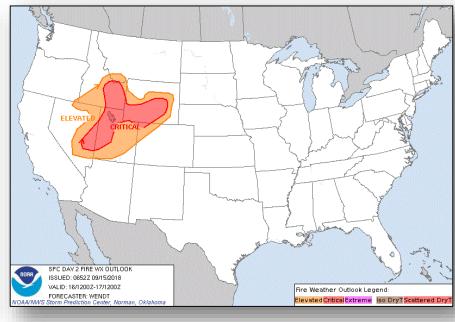




Fire Weather Outlook





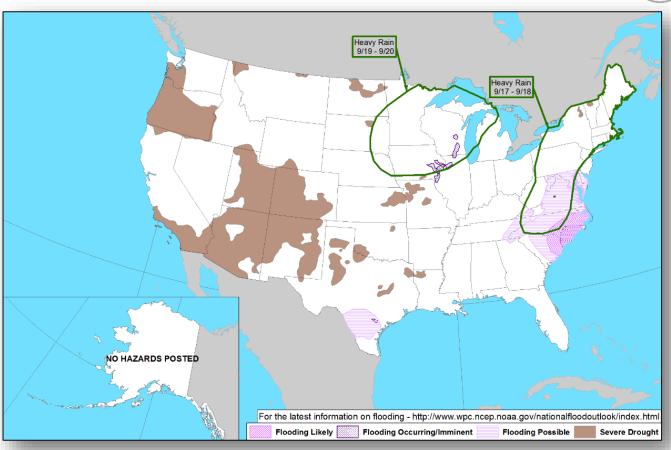


Saturday

Sunday

Hazards Outlook – Sep 17-21



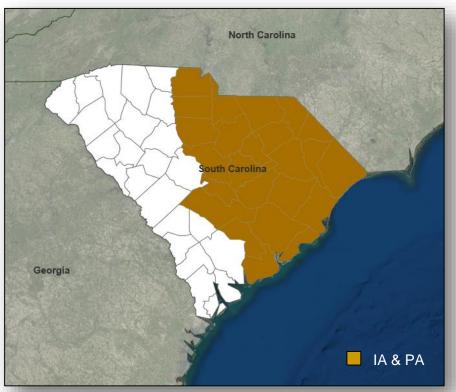


Declaration Request



South Carolina

- The Governor requested an expedited Major Disaster Declaration on September 14, 2018
- For Hurricane Florence beginning September 8, 2018 and continuing
- Requesting:
 - Individual Assistance
 - Public Assistance including direct Federal assistance for 23 Counties and the Catawba Indian Nation
 - Hazard Mitigation statewide



Declaration Approved

FEMA-4393-DR-NC

- The President approved a Major Disaster Declaration on September 14, 2018
- For Hurricane Florence beginning September 7, 2018 and continuing
- Provides:
 - Individual and Public Assistance for 8 Counties
 - Hazard Mitigation statewide
- FCO is Albert Lewis





Disaster Requests & Declarations



Declaration Requests i	Requests APPROVED (since last report)	Requests DENIED (since last report)				
8	IA	PA	НМ	Date Requested	1	0
LA – DR Flooding		Х	Х	June 29, 2018		
Cheyenne River Sioux Tribe – DR Severe Storm and Straight- line Winds		Х	Х	August 17, 2018		
Oglala Sioux Tribe – DR Severe Storms, Tornadoes, and Straight-line Winds			Х	August 27, 2018		
NJ – DR Severe Storms and Flooding			Х	August 30, 2018		
HI – DR Hurricane Lane and Wildfires		Х	Х	September 5, 2018		
PA – (Appeal) DR Severe Storms, Flooding, and Landslides		Х	Х	September 7, 2018		
NY – DR Severe Storms and Tornadoes		Х	Х	September 9, 2018		
NC – DR (Expedited) Hurricane Florence		X	Х	September 13, 2018	DECLARED September 14	
SC – DR (Expedited) Hurricane Florence	X	X	X	September 14, 2018		

Disaster Amendments



Amendment	Date Issued	Action	
Amendment No. 2 to FEMA-3399-EM-HI	September 14, 2018	Incident period for this disaster closed effective August 29, 2018	

Readiness – Deployable Teams and Assets



Resource	Force Strength	Available	Deployed	Other			Cadres with	25% or Less	Availability		
IM Workforce	11,848	1,811 ▼15%	6,266 ▲	3,771		(837); EHP 16% (62) 16% (99/629); LOG (6 (13/108)					
National IMATs* (1-2 Teams)	East 1: East 2: West:	Deployed Deployed B-2	Typhoon Mangkh R-X IMAT (Anders	ut	4382-DR-CA FCO: William Roche JFO: Sacramento, CA R-IX IMAT-2	4388-DR-MT FCO: James Stephenson R-VIII HQ Denver, CO	4387-DR-NE 4386-DR-IA 4392-DR-IA FCO: Timothy J. Scranton/ C. Johnson-Cage JFO: Windsor Heights, IA	4359-DR-WV 4378-DR-WV FCO: Steven S. Ward JFO: Charleston, WV	4374-DR-MD 4376-DR-MD FCO: Emily Breslin R-III HQ: Philadelphia, PA	4368-DR-NJ FCO: Lai Sun Yee VJFO: Colts Neck, NJ	Field Offices * JFOs: 10 DRs: 40 EMs: 6 Deployed Teams
Regional IMATs (< 3 Teams)	Assigned: Available: PMC / NMC: Deployed:	13 3 (+2) 1 9 (-2)	ISB Team, MERS, I			WA OR	ND ND		3		Hurricane Florence NRCC Support (DC) R-V IMAT, MERS, R-III LNO, MERS
National ISBs (0 Teams)	Team A Team B Team C	Deployed Deployed Deployed	3402-EM-Mariana FCO: Willie G. Nur			NV JUI	SO				3403-EM-VA FCO: Donald Keldsen JFO: TBD R-VIII & R-I IMAT MERS US&R: 2-Type 3, 3-MRP
US&R (≥ 66%)	Assigned: Available: PMC / NMC: Deployed:	28 1 2 25	JFO: TBD MERS, R-VII IMAT,	RIX LNO			NM KS	MO AR	N NC		4393-DR-NC 3401-EM-NC FCO: Albert Lewis JFO: TBD N-IMAT E1
MERS (33-65%)	Assigned: Available: PMC / NMC: Deployed:	36 19 0 17	3404-EM-HI 3399-EM-HI FCO: Dolph A. Die 4366-DR-HI	Honolulu R-IX IMAT	Cyclone Support u, Hilo, MauiT-1 (JFO - Honolulu) 15. RIX LNO				OA OA		N-IVIAL EL R-IV IMAT 1 (NC EOC) MERS, RIV LNO US&R: Red IST, 3-Type 1, 4-Type 3, 12-MRP Water Teams
FCO (≤ 1 Type I)	Assigned: Available: PMC / NMC: Deployed:	33 13 2 18	FCO: Benigno Beri JFO: Honolulu, HI	The state of the s		Tropical Ac Austin, TX R-VI IMAT-: FCO: Jerry S		Hurricane Fl Atlanta, GA R-VIII IMAT, MERS	4337-DR-FL		FCO: Elizabeth Turner JFO: TBD R-IV IMAT 2 (SC EOC) Composite IMAT MERS, RIV UNO US&R: 4-Type 1, 1 MPR Water Teams, 1 HEPP
FDRC (≥ 3)	Assigned: Available: PMC / NMC: Deployed:	14 2 3 9	As of 7:00 a.m. EE	T Sep 15, 2018				4336-DR-PR 4339-DR-PR FCO: Michae JFO: Guayna MERS, RII LN	I F. Byrne bo, PR	USVI	4335-DR-USVI 4340-DR-USVI FCO: Christopher Harnett JFO: St. Croix, USVI RII LNO

^{*} B-2 Status: Assemble ≤ 2-hrs, On Site ≤ 18-hrs; B-48 Status: Assemble and deploy ≤ 48hrs; Charlie Status: No team assemble time requirement

FEMA Readiness – Activation Teams



Status		Activated Team	Activation Level	Activation Times	Reason / Comments		
NWC	Steady State						
NRCC	Activated	Blue	Level I	24/7	Tropical Activity – Atlantic & Pacific		
HLT	Activated						
RWC / MOCs (10 Regions)	Activated	Region VI	Enhanced Watch	Day shift only	Severe Weather		
RRCCs (10 Regions)	Activated	Region II Region III Region IV Region VI	Available Level II / Level III Level I Level III	Day shift / Night shift 24/7 Day shift	Deactivated Hurricane Florence Hurricane Florence Tropical Activity (Invest 95L)		



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