

CDR Joseph J. Leonard, Jr. (USCG, ret.)

Vice President, Emergency Management Solutions.

40 years in emergency response/incident management - United States Coast Guard, United States Army, volunteer municipal fire service, and private-sector experience.



Greater Harris County Local Emergency Planning Committee – Chair

U.S. Coast Guard Auxiliary – Division Commander, District Staff Officer-Emergency Management, and Flotilla Staff Officer-Public Education

Military awards include two Coast Guard Auxiliary Meritorious Service Medals (and many other awards).

Bachelor's Degree in History from the Virginia Military Institute; Master's Degree in Engineering Technology from Murray State University



Hurricane Harvey and Severe Weather Lessons Learned 2001-2018

CDR Joseph J. Leonard, Jr., USCG (ret.)
DCDR / DSO-EM / FSO-PV, USCG Auxiliary

Severe Weather Events 2001-2018

- 2001: Tropical Storm Allison
- 2002: Tropical Storm Fay
- 2003: Hurricane Claudette / Tropical Storm Grace
- 2005: Hurricane Katrina / Hurricane Rita*
- 2007: Hurricane Humberto
- 2008: Tropical Storm Edouard / Hurricane Ike
- 2015: Tropical Storm Bill
- 2017: Tropical Storm Cindy / Hurricane Harvey / Hurricane Nate
- 2018: Hurricane Florence / Tropical Storm Gordon / Hurricane Michael

**Division 081-06 Auxiliarists first assigned to USCG ICP in specific ICS positions.*



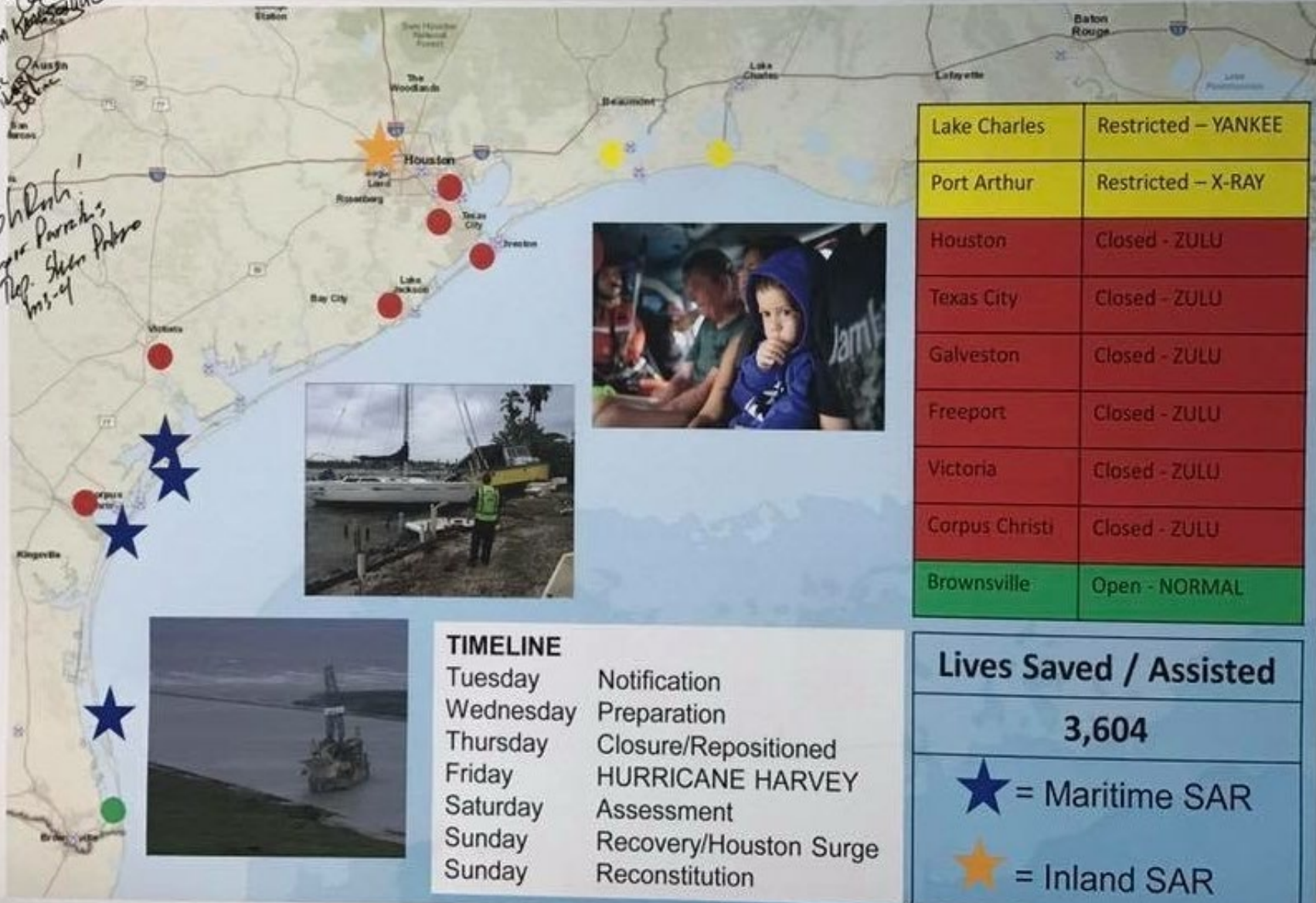
HURRICANE HARVEY RESPONSE



Room *Paul Zukraft* As of 28 Aug Admiral Paul Zukraft, Commander +

*VADM K...
C...
J...*

*Col...
S...
P...
M...-y*



Lake Charles	Restricted – YANKEE
Port Arthur	Restricted – X-RAY
Houston	Closed - ZULU
Texas City	Closed - ZULU
Galveston	Closed - ZULU
Freeport	Closed - ZULU
Victoria	Closed - ZULU
Corpus Christi	Closed - ZULU
Brownsville	Open - NORMAL

TIMELINE	
Tuesday	Notification
Wednesday	Preparation
Thursday	Closure/Repositioned
Friday	HURRICANE HARVEY
Saturday	Assessment
Sunday	Recovery/Houston Surge
Sunday	Reconstitution

Lives Saved / Assisted
3,604
★ = Maritime SAR
★ = Inland SAR









Hurricane Harvey

- 90 Auxiliarists assigned to the Incident Command Post or Branch B Command Post.



Back-up 911 Call Center

Critical Elements

- Plans
- Training
- Resources
- Capabilities
- Facilities



Plans

- Who?
 - Federal
 - State
 - Local (County/City)
 - Private Sector
 - NGOs / VOADs
- What kinds of Plans?
 - Response
 - Recovery
 - Mitigation
 - Continuity of Operations / Business Continuity



Training

- National Incident Management System
 - Initial Training
 - Position-Specific Training
 - Team Training
- Technical Rescue
- Certified Emergency Managers (CEM)
Texas Emergency Managers (TEM)
- Master Continuity Practitioners (MCP)
Professional Continuity Practitioners (PCP)
Certified Business Continuity Practitioners (CBCP)
- Cost Accounting/Tracking
- Joint Exercises
- www.preparingtexas.org

Resources

- Shallow Water Boats
- High Water Vehicles
- Urban Search and Rescue



Capabilities

- Swift Water Rescue
- Lillypads
- Port Coordination Team
- Mutual Aid
- Volunteers (CERT, USCG Aux/CAP/State Guard, TexSAR)
- Interagency Interoperability (more than just communications!)
- “Can Do” Spirit



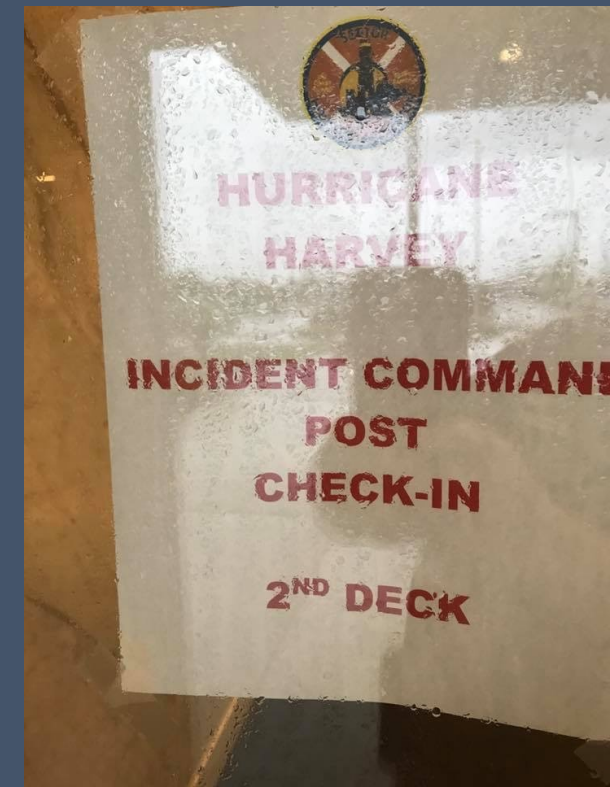
Facilities

- TranStar (HCOHSEM / Metro)
- Galveston County (GCOEM / NWS)
- Houston Emergency Center (City of Houston)
- USCG Sector Houston-Galveston
- Port of Houston EOC



Lessons Learned

- Ensure completion of required NIMS ICS training.
- Need IMAT Go-Kit.
- Need ICS-211 Forms with check out time column.



Best Practices

- Division 6 IMAT proven a success—able to effectively fill gaps.
- Auxiliary availability PRIOR to landfall of storm a big plus—enabled Sector to better prepare for storm.
- 3-5 personnel trained for each position to facilitate availability.
- Food Service Support Specialists proved critical to providing meals (including mid-rats) for response personnel.



US Coast Guard Auxiliary

Division 081-06

Incident Management
Assistance Team





From the Commandant

- *“If you are going to surge and if you have not had ICS training you are actually a liability, and you are really not augmenting that response.”*

ADM Paul Zukunft
USCG Commandant





8th District Training

- Ensure IMAT members trained and qualified for specific positions within ICP.
- ICS-240/340/440 (8CR) developed by FEMA-qualified NIMS ICS Instructors/Certified Emergency Managers to meet specific District needs.
- DSO-EM serves as co-director of District 8 IMAT.
- Supported by Commander, 8th Coast Guard District.

Hurricane Harvey

- Recognized by Commandant, Area Commander, District Commander, and Sector Commander for efforts.



Basic Training / ICS-240 (8CR)

- NIMS ICS Review
- ICP Operations
- Case Studies
- Position-Specific Review
 - Check-in / Status Recorder (SCKN)
 - Display Processor (DPRO)
 - Field Observer (FOBS)
 - Documentation Technician
 - PIO Support Technician
 - Command Aide
 - Radio Operator (RADO)
 - Equipment Time Recorder (EQTR)
 - Personnel Time Recorder (PTRC)
 - Food Service Support Technician



Intermediate Training / ICS-340 (8CR)

- ICS-EOC Interface
- Planning Process
- Case Studies
- Position-Specific Review
 - Agency Representative (AREP)
 - Incident Communications Center Manager (INCM)
 - Receiving and Distribution Manager (RCDM)
 - Ordering Manager (ORDM)
 - Equipment Manager (EQPM)
 - Aviation Liaison
 - Assistant Volunteer Coordinator



Advanced Training / ICS-440 (8CR)

- Area Command and Complex Operations
- Case Studies
- Mentoring Others
- Position-Specific Review
 - Assistant Liaison Officer (ALOF)
 - Assistant Public Information Officer (APIO)
 - Assistant Resource Unit Leader (ARESL)
 - Assistant Situation Unit Leader (ASITL)
 - Volunteer Coordinator



Position-Specific Training

- E/L-950: NIMS All-Hazard Incident Commander
- E/L-956: NIMS All-Hazard Liaison Officer Course
- E/L-954: NIMS All-Hazard Safety Officer Course
- E/L-952: NIMS All-Hazard Public Information Officer
- E/L-963: NIMS All-Hazard Planning Section Chief Course
- E/L-958: NIMS All-Hazard Operations Section Chief Course
- E/L-967: NIMS All-Hazard Logistics Section Chief
- E/L-973: NIMS All-Hazard Finance & Administration Section Chief Course

Training Resources

- USCG resources

<https://homeport.uscg.mil/Lists/Content/DispForm.aspx?ID=2922&ContentTypeId=0x010077A263807AAFE54DBF09C291D3EAA816008BFEC11A80BC564EB4241068A94ACD2E>

- FEMA / EMI Independent Study Courses (on line)
- Houston-Galveston Regional Meeting-Exercise-Training-Conference Calendar
- www.preparingtexas.org



TECHNICAL
SPECIALIST

TECHNICAL
SPECIALIST

