

Urban Search and Rescue



RESPONSE TO THE HAITI EARTHQUAKE DISASTER



Urban Search and Rescue

- Tech Rescue started in mid-1970s
- Two Federal Government agencies sponsor the team
 - USAID/OFDA (2 Teams)
 - DHS/FEMA (28 Teams)
- Specialize in rescue from reinforced concrete structures



Team Expectations

- Report to POD within 6 hrs
- Air / ground mobile
- Self-sufficient for 72 hours
- Up to 10 day deployment
- 24 hour operation at 2 sites



Victim First



Full Team Deployments

- Armenia
- Philippines
- Oklahoma
- North Carolina
- Nairobi, Kenya
- Izmit, Turkey
- Touliu, Taiwan
- Duce, Turkey
- Virginia (Pentagon)
- Bam, Iran
- Mississippi/Louisiana
- Virginia
- Texas
- Florida
- Georgia
- Louisiana
- Pétionville, Haiti
- Port-au-Prince, Haiti

Earthquake Earthquake **Terrorist Attack Hurricane Fran Terrorist Attack** Earthquake Earthquake Earthquake **Terrorist Attack** Earthquake **Hurricane Katrina Hurricane Ophelia Hurricane Rita Hurricane Ernesto Hurricane Gustav** Hurricane Ike Structure Collapse Earthquake









Task Force Components:

SearchRescue





- Search
- Rescue
- Medical





- Search
- Rescue
- Medical
- Command and
 General Staff





- Search
- Rescue
- Medical
- Command and
 General Staff
- Logistics



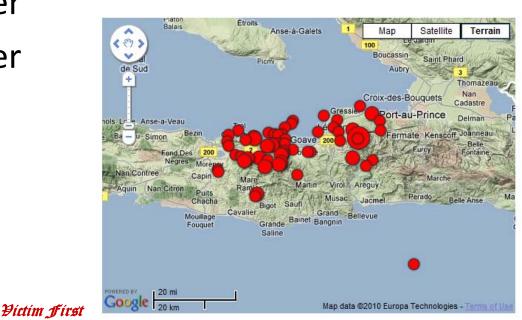
Earthquake Details

- •7.0 magnitude Earthquake strikes January 12, 2010, at 1653 hours •Epicenter about 10 miles southwest of Port-au-Prince, Haiti
 - Most powerful earthquake to hit Haiti in a century
 - Initial media reports suggested:
 - •High number of casualties (100K-200K)
 - •Widespread damage
 - Urgent need for
 Search and Rescue



Earthquake Details

- Aftershocks from 1/12/2010 2/5/2010
 - M6.0 occurred 7 minutes after quake
 - M5.9 occurred 1/20/2010
 - 16 at M5.0 or greater
 - 59 at M4.5 or greater





Port-au-Prince, Haiti Details

• Area:

- 14.7 square miles
- Population: 1,000,000+
- Density:
- Experience:

- 70,000 / square mile
- 2008 School Collapse

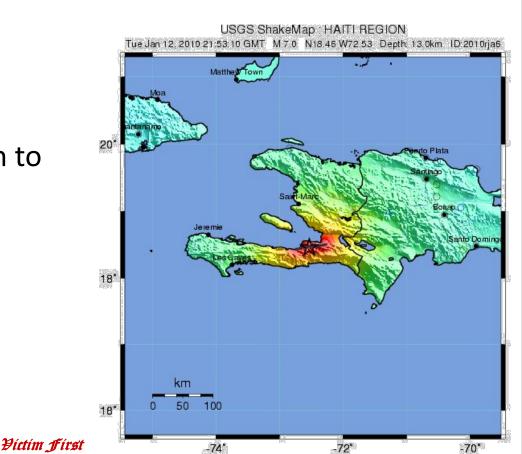


Activation

•38 minutes later USAID mobilizes:

- •USA1
- •USA2
- •AST

•UNDAC Member
•Fastest deployment decision to date from USAID
•Mobilization process begins





Team Configurations

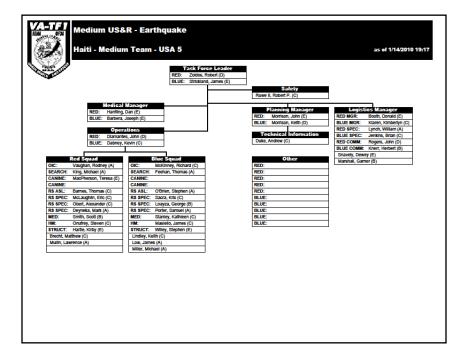
USA-1 (Heavy)

- 72 members + 6 canines
- Arrived within 24 hours

USA-1 (Medium)

- 42 members + 1 canine
- Arrived within 60 hours

Mark Contraction	JS&R - Earthquake eavy Team - USA 1			as of 1/15/2010 00:38
and the second second	Operations RED: Strickland, Rex (A) BLUE: Marks, Michael (C)	Task Force Leader RED: Knerr, Joseph (A) BLUE: Kaleda, Joseph (C)	STICLY RED: Burns, Matthew (C) BLUE: Bertovich, Paul (E)	Logistics Manager RED: Potler, James (B) BLUE: Buchanan, Chyde (D) Logistics Specialist
Medical Manager RED: Macintyre, Anthony (E) BLUE: Barker, William (E) BASE: Petinaux, Bruno (E)	Structural Specialist RED: Tills, Dean (E) BLUE: Kennedy, Sean (E) BASE: Tung, Jon (E)	Seatrch Tealm Manager RED: Lucas, Mark (C) BLUE: Conrad, David (A)	Plenning Menes(ea RED: Luecke, Craig (A) BLUE: Roatch, Richard (D)	RED: Lamont, William (B) RED: Gorcalez, George (B) BLUE: Neuhaus, Bruce (B) BLUE: D'Amico, Michael (D) Communications
Medical Specialist RED: Lewis, Jeffrey (A) BLUE: Williams, Jerome I. (B) HeizMatt Manager	Heavy Rigging RED: Hessel, KI (D) BLUE: Perla, Raul (B)	Tech Search Specialist RED: Bittinger, Randy (B) BLUE: Griffin, Thomas (A) Camine Specialist	Technical Information RED: Yuras, Richard (D) BLUE: Stone, Mark (E) UNDAC Support	RED: Ritchie, Robert (A) BLUE: Kim, John (E) Ground Support Techn Carrin, Paul (D) May, Paul (D)
RED: BLUE: Red Squad 1 DFC: Barlow, David (A) ASL: Craven, Eric (A)	Bitre Squad 1 OFC: Lewis, Evan (8) 1 ASL: Carilio, Carlos (A)	RED: Dingess, Timothy (E) RED: Heritage, Sonja (E) RED: Holeyman, Chris (E) BLUE: Holmes, Christopher (E) BLUE: Kreiter, Elizabeth (E)	Edwards, Kevin (A) Kratochvil, Joe (B) Schmidt, Roderick (A) Galvez, Ramiro (D)	
Iturrino, Rudy (B) McDonell, John (A) Reedy, Thomas (C) T\$\$: Burroughs, Earl (C) IteD: Dietrichson, Douglas (D)	2: Gray, Sam (B) 3: Hahn, George (B) 4: Gillingham, Brian (B) 5 T\$S: Davis, Michael (A) MED: Thurston, William (B)	BLUE: Sanders, Ron (E) RECON TEAM RED	BLUE	
M: Penkins, James (A) M: Red Squad P	HMED. HINGSON, WINAM (5) HM: Moreland, William (8) HM: Bjike Squad 2		LEADER: OPERATIO PLANNING	
FC: Groff, Matthew (C) A\$L: Casey, Daryl (B) : Ayala, Juan (B) : Sheehan, Patrick (C)	OFC: Plunkett, Mark (B) 1 ASL: Weinzapfel, Erick (A) 2: Wyatt, Eric (A) 3: Maham, Barry (B) Campodonico, Juan David		LOGISTICS FINANCE / LEADER:	: Admin: Advance team
Black, Duane (C) TSS: Best, William (A) ED: Schermerhorn, Scotl (C) M: Alessi, Carmen (A) M:	4: (B) 5 T\$\$: Carver, Thomas (C) MED: Schoenberger, Robert (B) HM: Fernandez, Mark (A)	SECURITY OFFICE	BLUE LOGISTICS US&R SPE	t t C:
	HM:		US&R SPE	C:



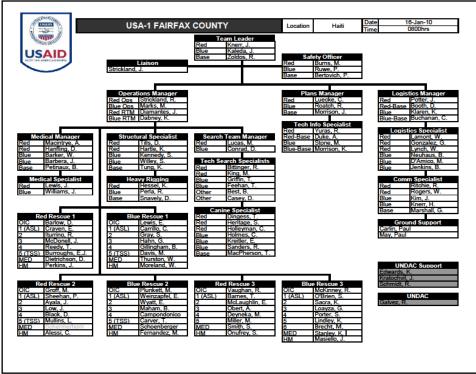
Victim First



Team Configurations

USA-1 (Super Jumbo)

- Combined upon arrival of Medium Team
- 114 members + 7 canines



Victim First

Operations

- Arrive at US Embassy around 2000 hrs
- •BoO is being set up
 - •BoO Site determined by the DART & RSO
 - •Still an active embassy evacuating American citizens
 - •Benefit of Embassy vs. OSOCC:
 - Transportation
 - •Water
 - Electricity
 - Security
- 2100 TFL's meeting with DART & ASO
 - Priority building being assigned
 - Security briefing
 - Compound rules



13 January 2010



Timeline of Operational Highlights

•2245 UN Minustah Rescue of 1-37YOM (Concluded 1-14-10 0742)





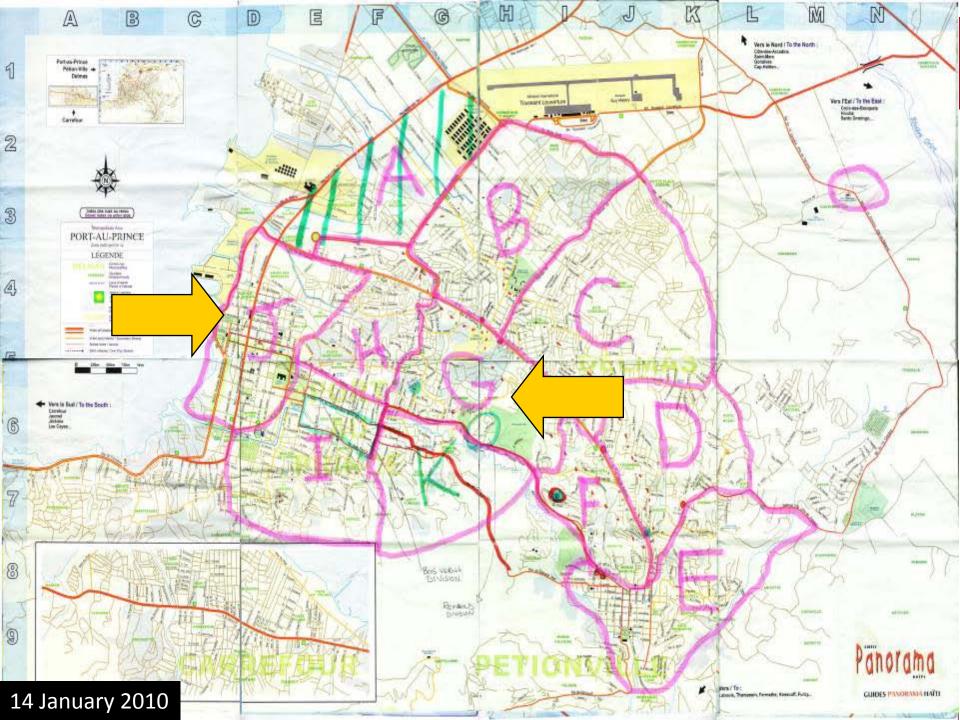
Timeline of Operational Highlights

- •0645 Hotel Montana Operations begin
- •Numerous assignments from USAID-field assessments
- Rescue Squads and RECON squads in full "Blitz Mode"
- Coordinating operations with LAFD (USA2)
 - Develop and assign Divisions for PAP
- •1640 Recon assigned JULIET Division
 - •1830 diverted to assist Iceland at Caribbean Market
- •1705 Recon assigned GOLF Division
- Midnight Units completed operations other than Hotel Montana
 - 16-Sites were searched
 - 2-Divisions were searched
 - 9-rescues were initiated

14 January 2010











Timeline of Operational Highlights

- •GRID Search Sector-1 & 9
- •0915 Secondary Search of Hotel Christopher
- •1625 Olympic Market Rescue Assist (DAY 7)
- •911's





18 - 19 January 2010

Victim First



Urban Search and Rescue Response to the Haiti Earthquake Disaster Timeline of Operational Highlights

- •6.1 Magnitude Earthquake
- •GRID Search EQ Epicenter
- Carrefour Search Investigations
- •911's
- •Begin Humanitarian Aid
 - •St François Pediatric Hospital Tent Project
 - •De L' Ofatma Hospital Shoring Project
 - Hotel Napoli Investigation
 - •Equipment Donations





Operations-The Hotel Montana

- Extremely large resort style hotel.
- Five stories tall in most places.
- Team members made multiple rescues from site during the first few days.
- USA-1 established a continuous presence at the site on January 19 that would continue until relieved by the US Army Corps of Engineers on the January 25.
- Team started the systematic delayering of the structure and established command of the area to include body identification and forensic efforts.



19 January 2010



Urban Search and Rescue Response to the Haiti Earthquake Disaster The Hotel Monana [Structural Stability]

- Multiple
 Stories in
 pancake and
 other style
 collapses
- Simultaneous multi-team operations



Urban Search and Rescue Response to the Haiti Earthquake Disaster The Hotel Montana [Multiple Worksites]

- Command and control difficult at such a large site.
- Up to eight different teams working simultaneously speaking several languages.



Urban Search and Rescue Response to the Haiti Earthquake Disaster The Hotel Montana [Political Concerns]

- Multigovernment interest in the site.
- Press onsite at all times.
- Several congressional "tours"





Accountability and Documentation

- All Rescue Teams
 - 67 teams
 - 1,918 staff and 160 dogs
 - 130+ rescues
- VA-TF1
 - 114 staff and 7 dogs
 - 16 rescues
 - 9 unassisted
 - 7 assisted



