



Massachusetts Helicopter Aquatic Rescue Team MA-HART





MA Helicopter Aquatic Rescue Team

- MA HART has a highly specialized team consisting of Massachusetts Army National Guard air assets matched with Massachusetts Emergency Management, and Local emergency services personnel that form a mission ready package for helicopter based transportation and rescues. The MA HART Team is trained, ready, and equipped to respond in the event of an emergency to make the lives of the citizens of Massachusetts better.



AVN Domestic Operations Background

- Multiple states have developed a HART Program capable of responding to widespread domestic emergencies, leveraging already available Federal/State/Local agency assets
- **Massachusetts** continues to diligently advance to the standards set forth by HART teams in North Carolina, Colorado, Texas, Pennsylvania, California, Virginia, and West Virginia who have robust programs dating back to as early as 2004
- Civilian support agencies have identified a gap in Defense Support to Civilian Agencies, with aviation support being the biggest gap. Federal/State/Local agencies have routinely requested ARNG aviation support in response to a wide spectrum of domestic contingencies



Supporting TAG Priorities



Why is Disaster Preparedness Important?

- Hurricane Katrina demonstrated the gap in inter-agency partnerships and coordination
 - Citizens will not accept an ineffective, or mismanaged response to a widespread disaster
- The MAARNG Aviation Platforms provides Federal/State/Local Agencies the ability to conduct rapid and efficient Air Movement, Search and Rescue, operations throughout the region
- This capability directly supports the MA Adjutant General's (TAG) priorities of People, Mission, and Partnerships



Duxbury March 2017





MA Helicopter Aquatic Rescue Team

- MA HART can respond at the request of a local emergency management coordinator, Fire Chief or MEMA Area Coordinator upon approval by the, Adjutant General, State Army Aviation Officer, or Facility Commanders.
- Examples of MA HART missions include: Swiftwater/Flood Rescue, Lost Person Search and Rescue, Severe injuries with projected extended evacuations, Urban or Wilderness High Angle Rescue, Hoist Operations.
- HART Annex covers all policies and procedures regarding how team operates in the state under the Air Operations Plan



LOCATED AT JOINT BASE CAPE COD

The UH-60 Black Hawk is a four-bladed, twin-engine, medium-lift utility helicopter

Crew: 2 pilots (flight crew) with 2 crew chiefs

Capacity: 2,640 lb of cargo internally, including 14 troops or 6 stretchers, or 9,000 lb (UH-60L) of cargo externally

Length: 64 ft 10 in (19.76 m)

Fuselage width: 7 ft 9 in (2.36 m)

Rotor diameter: 53 ft 8 in (16.36 m)

Height: 16 ft 10 in (5.13 m)

Disc area: 2,260 ft² (210 m²)

Empty weight: 10,624 lb (4,819 kg)

Loaded weight: 22,000 lb (9,980 kg)

Max takeoff weight: 22,000 lb (10,660 kg)

Capabilities: Personnel Movement, Insertion/Extraction, Hoist, Bambi Bucket, Sling-Load, Crashworthy Extended Fuel Range capability



HOIST CAPABLE



MA HART Operations Notification Structure

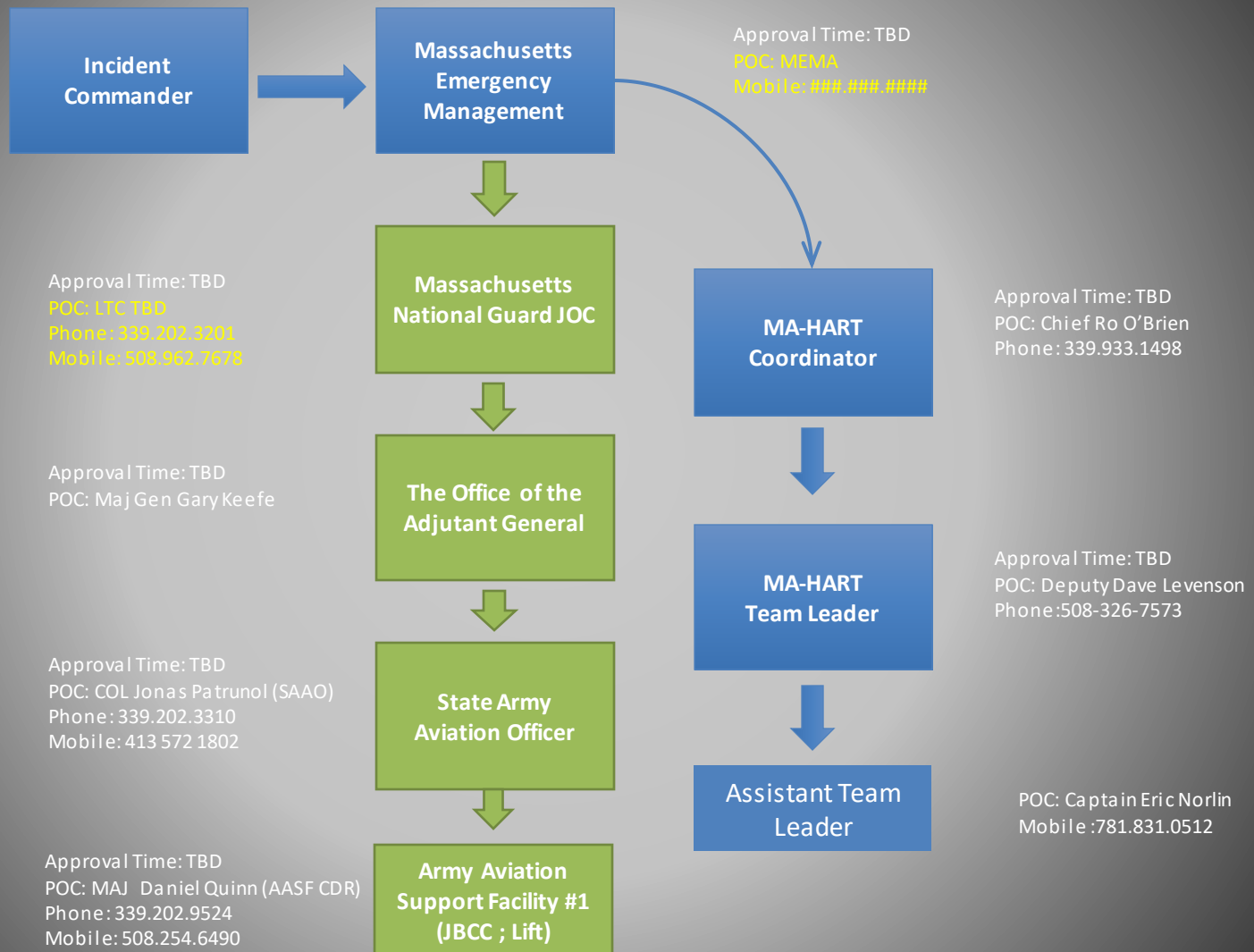


Helicopter Rescue Requests

- The following requirements should be met for deployment of a HART Mission
 - Resources are not available locally
 - Mission is for rescue and not recovery
 - Longer than 2 hours for other type of access
 - Patient has life-threatening injuries
 - There are excessive risks to rescue personnel



Launch Approval of Aviation Assets





The Rescue Technician

- Rescue Technicians have a minimum level of qualification and experience.
 - EMT-B (Paramedic preferred)
 - Rope Rescue Technician per NFPA 1670/NFPA 1006
 - Swift Water Operations NFPA 1670/1006
 - Hazardous Materials Awareness NFPA 472 OSHA 1910.120
 - NIMS ICS 100, 200, 700, 800
 - Fit for duty physical
 - Swim test including 300 yard swim, 400 yard snorkel swim, 100 yard rescue tow, 10 min treading water NO hands.
 - MOU signed by technicians' sponsoring agency
 - Monthly training required for HART and other disciplines typically 2 drills per month



Training

- This is specialized training above and beyond a typical Technical Rescue Technician.
- All rescue Technicians are covered by 111F through their departments and have over **600 + hours** of training and planning invested in the program to date. **Team Leaders have over 800-1000 hours** invested in the program.
- Participation in the program is primarily driven by the desire of individual members to see a robust and safe program provided to the Commonwealth. Evident by the hours dedicated, it is the desire of each member to ensure that the HART asset is available if, or when it is needed



August 2019 Initial training



September 2019 initial hoist training



Training

- Aircrew integration
- Multiple victim rescues from roof tops and confined areas day and night.
- SKED retrieval of victim
- Window retrieval of victims
- Static water retrieval of victims
- Dynamic water retrieval



Equipment

Land based Operations



Water based Operations





