

DISTRIBUTED HIGH-SPEED MEDICAL RESPONSE



EXPEDITIONARY MEDICAL SHIP

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INNOVATIVE ON LAND.
EXCEPTIONAL AT SEA.

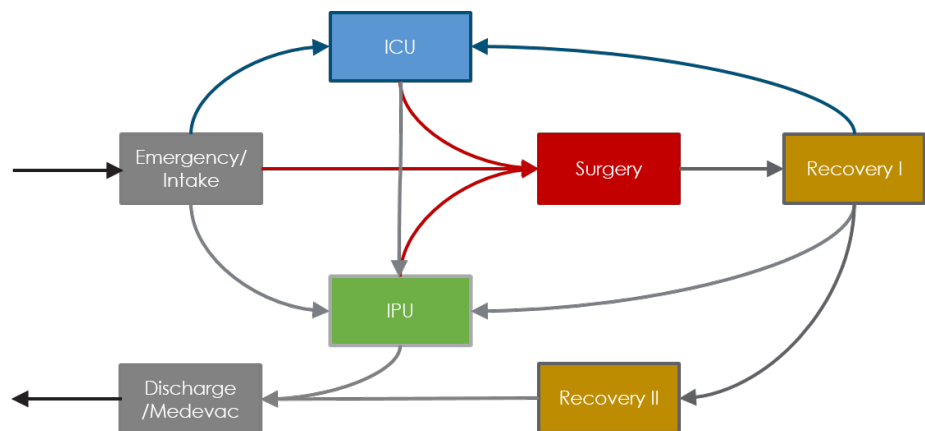
The **EXPEDITIONARY MEDICAL SHIP (EMS)** is a high-speed, cost-effective design for a dedicated medical ship optimized to provide a hospital-level medical care in support of Distributed Maritime Operations (DMO). The EMS design features a shallow draft which enables greater reach and allows for direct access to shallow austere ports. The flight deck will accommodate military helicopters, including the V-22 and H-53 aircraft.

The design provides the full range of medical capabilities needed to support operating forces including triage/critical care, operating rooms, medical laboratory, radiology capability, blood bank, dental, mental health, OB/GYN and primary care, rapid stabilization and follow-on evacuation of multiple casualties, and combat search and rescue including recovery at sea.

Primary Mission: To support forward deployed forces within the full range of operations including combat operations support. As a high-speed forward deployed medical ship, the EMS provides rapid responsive sea-based and near-shore hospital level critical care and is also capable of humanitarian assistance and disaster relief (HA/DR), non-combatant evacuation operations (NEO), and special operations. The EMS design is also optimized for at-sea personnel recovery from damaged ships – a critical capability for potential engagements at sea under the DMO concept.

Secondary Mission: To provide a dedicated platform supporting continuous engagement activities. The shallow draft and maneuverability of the EMS allows the ship to pull into smaller shallower ports and small island nations inaccessible to large and similar ships of its size. This capability increases the number of reachable and treatable patients and improves the value of the engagement.

Single deck arrangement optimized for trauma patient flow



SPECIFICATIONS

Hull: Catamaran

Length: 361 feet (110 meters)

Beam: 103 feet (31.5 meters)

Draft: 15 feet (4.6 meters)

Speed (full load): 18+ knots

Speed (SS5): 15 knots

Range: 5,000+ nautical miles at 18 knots

Flight operations: 1x V-22, H-53, H-60

Crew, medical det., & aviation det. berthing: 223

- Acute care: 34
- Acute isolation: 6
- ICU: 14
- ICU isolation: 6
- Operating rooms: 3

CAPABILITIES

- Dedicated platform providing Role 2E level of care
- Single deck arrangement optimized for trauma patient flow
- High-speed transit to quickly reposition and support crisis response, combat, and rapid patient transport operations
- Shallow draft enabling access to austere and degraded ports and offload sites
- Large flight deck to facilitate load/unload of V-22 and CH-53 aircraft
- Hangar and service facilities for up to H-60 sized aircraft (organic combat search and rescue capability)
- Boat operations with two 11M RHIBs; patient transfer from other surface vessels or direct recovery from water