



# Navy Boatbuilding in Support of Expeditionary Warfare

NDIA 21<sup>st</sup> Expeditionary Warfare Conference  
“Expeditionary Warfare: Balancing Capabilities & Capacity”  
11-13 October 2016



CRF Boat Replacement  
(PB-X Concept)



MK VI Patrol Boat



11m ExMCM RIB

***Mr. Mike Kosar***  
***Program Manager***  
***PEO Ships - PMS325***

***Mr. Jon D. Thomas***  
***Principal APM Boats***  
***PMS325G***



# PMS 325G Boat Program Overview

- Boat & Craft acquisition and life cycle services to Fleet Forces, CNIC, NECC and Other Customer enterprises
- Typical missions include AT/FP operations; SAR; Maritime Interdiction/VBSS; personnel/cargo transport; environmental control, firefighting, dive support, Mine Countermeasures
- PMS 325G Boat Acquisition Programs (Active or Recently Completed):
  - MK VI Patrol Boat (N957)
  - Multi-Use Explosive Ordnance Disposal Craft (MERC (N957))
  - Underwater Construction Team Boats (N957)
- Delivered 12 new boats to the Fleet in FY16
  - 4 x MK VI PB's
  - 8 x MERC's





# Boat Inventory for the Coastal Riverine Force

**Mission** - Conduct maritime security / force protection operations worldwide in the near coast, inshore areas

<b>Coastal Riverine Force</b>	MKVI Patrol Boat (85 ft)
	* <i>Coastal Command Boat (65 ft)</i>
	Force Protection Patrol Boat (34 ft & *25 ft)
	Riverine Command Boat (49 ft)
	* <i>Riverine Patrol Boat (38 ft)</i>
	* <i>Riverine Assault Boat (33 ft)</i>

\* *Not Pictured*



**34-ft Patrol Boat (117 inventory)**



**85-ft MKVI Patrol Boat – (6 inventory; 2 Pending Delivery; 4 in production)**



**49-ft Riverine Command Boat (9 inventory)**



# Boat Inventory for Explosive Ordnance Disposal Teams

**Mission** - Mobile Diving and Salvage; EOD support for Mine Countermeasures (MCM), Countering Improvised Explosive Devices (IEDs)

<b>Explosive Ordnance Disposal</b>	EOD Mine Countermeasure 11M RIBs
	Multi-Use Explosive Ordnance Response Craft - 8.5M MERC
	Underwater Construction Team Boats



**36-ft UCT Work Boat (4 inventory)**



**8.5m Multi Purpose EOD Response Craft (44 inventory; FY 16 procurement awarded 29 Sep 16)**



**11m Expeditionary Mine Counter Measure RIB (8 NECC Inventory; FY 17 new procurement)**



# FY 17 Projected Future Procurements

## 11m ExMCM EOD RIB



### Mission:

Support EOD MCM Platoons in deployment of MK 18 UUVs for MCM operations.

### Procurement Strategy & Schedule:

- FFP 3-Year IDIQ Contract for ~12 Boats
- Boat Requirements & Attributes under development
- Contract Award anticipated in FY17

## PB-X Concept



### Mission:

~40-ft boat to recap PB34's and support CRF in maritime security operation missions such as HVU Transit Escort, VBSS and Overwatch; Critical Infrastructure Protection; Embark Forces (i.e., SOF, EOD, USCG LEDET)

### Procurement Strategy & Schedule:

- FFP 5-Year IDIQ Contract for ~20 Boats
- Boat Requirements & Attributes are defined
- PB-X Industry Day on 2 Dec 2016
- RFP Release by end of Dec 2016
- Contract Award projected for Q4FY17



# Where Industry Can Help

(1 of 2)

- Simple, Reliable and Easy to Maintain Boats Preferred
- Boat Design Solutions that Lower Total Ownership Costs
  - Lowers scheduled maintenance intervals and costs
  - Minimizes routine maintenance efforts for the end-user
- Proposal Development & Preparation
  - Understand RFP Requirements (i.e., Transportation, Boat Specifications, Domestic Procurement Laws)
- Technical Data Package (TDP) Development
  - Provide complete and correct drawings (i.e., should match as built)
  - Provide all OEM & Test certifications
  - Provide TDP in accordance with timeline in contract
- Pre-Delivery Inspection and Trials (PDIT)
  - Install equipment in accordance with OEM or contract requirements
  - Properly label systems and equipment



# Where Industry Can Help

(2 of 2)

- Advance Technology Development in:
  - Diesel Outboard Engines
    - Improves ship safety with removal of gasoline (flammable fire hazard)
    - More economical and efficient
    - Reduces level of maintenance and repair over diesel inboard engines
  - Unmanned Vehicle Deployment & Retrieval Systems for Boats
- Leverage Navy's 3M & Training Programs
  - Provides commonalty with systems already fielded
  - Allows end-user to quickly replace defective parts for repair (NSN, APL/AEL)
  - Minimizes additional training requirements for the Navy and end-user
- Boat Design Solutions that Optimizes Weight
  - Allows space & weight for future capability and payload
  - Allows for improved performance related to speed and range
- Provide for OCONUS Follow-On Support after Delivery to the Warfighter
- Assist Navy with Fleet Introduction and Training of new boats



**END**