



# Acquisition Directorate

Boat Acquisition Program (CG-9325)

## OTH-V Industry Discussion

**OTH-V**

CG-9325

WorkBoat Industry Engagement 29 November 2018



# OTH-V Preliminary Scope

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- ❑ **Deliver ~ 200 OTH-Vs between June 2021 and June 2029**
- ❑ **Primary Cutter Boat for Major Coast Guard Cutters**
  - **National Security Cutter (NSC), 2 each**
    - Stern Launch, Single Point Davit, Dual Point Davit
  - **Fast Response Cutter (FRC), 1 each**
    - Stern Launch
  - **Offshore Patrol Cutter (OPC), 2 or 3 each**
    - Dual Point Davit
  - **Polar Security Cutter (PSC), 2 each (anticipated)**
    - Dual Point Davit (anticipated)
  - **Legacy Medium Endurance Cutters (WMEC), 1 each**
    - Dual Point Davit



# OTH-V Preliminary Specs

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## ❑ Preliminary Specifications

- **Length:** 26 feet (maximum extreme dimensions)
- **Beam:** 9.0 feet (maximum extreme dimensions)
- **Weight:** ~7500 lbs (full fuel, no personnel)
- **Range:** 200 NM (with 10% reserve)
- **Top Speed:** 40 knots
- **Seating:** Shock Mitigating for 5, designated for 8 additional
- **Navigation:** Scalable Integrated Navigation System-2 with radar
- **Comms:** HF, UHF, VHF, DSC, AIS
- **Propulsion:** Diesel Engine with Waterjet propulsion
- **Stability:** ISO 12217-1
- **Structure:** ISO 12215-5
- **Material:** Aluminum Hull
- **Structure:** Strengthened bow & forward hull, with bow capture horn



# OTH-V Preliminary Approach

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- 30-45 Day Proposal Prep**
- Written Proposal Evaluations – select between 2 to 4**
- Award multiple IDIQs – 1 boat minimum**
- Order 1 boat from each contract**
- Complete in-water evaluation**
- Down-select to single contractor**
- Produce ~4 boats for OT&E (NSC, FRC, WMEC, shore)**
- Production stops during OT&E**
- OT&E modifications, limited production (~12/year, 2 years)**
- Full Production (~24/year, 7 years)**



# OTH-V Preliminary Schedule

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- 2Q FY2019 – RFP
- 3Q FY2019 – Proposals
- 4Q FY2019 – Award (multiple IDIQ)
- 2Q FY2020 – In-Water Evaluation
- 4Q FY2020 – Down-select
- 1Q FY2021 – OT&E (~4 boats)
- 3Q FY2021 – Post OT&E boat deliveries (~12 /year)
- Production (approximation)**
  - Jun 21-Jun 22: ~ 8 OTH-V
  - Jun 22-Jun 23: ~12 OTH-V
  - Jun 23-Jun 24: ~18 OTH-V
  - Jun 24-Jun 29: ~24 OTH-V per year



# OTH-V Design Interest Areas

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- Bow submergence** – hull form, bow horn height
- Waterjet control system** – low speed maneuverability
- Water intrusion protection** – seals, enclosures, etc.
- Material selection** – marine grade, reliability
- Seating** – comfort, layout, accessibility
- Structure** – durability
- Acceleration monitoring** – display & set-points
- Drainage**
- Obsolescence**



# USCG Questions for Industry

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- Reasonable proposal preparation period?
- Reasonable time period for the first boat build?
- Reasonable time period for the OT&E build?
- Is 24-30 boats/year a realistic production rate?
- Useable 3-D models and TDP feedback?
- Longer service lives?
- Boat sub-system cyber security protection?

**\*Feedback/Questions can be submitted to:**

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