



Light Amphibious Warship (LAW) Industry Day

4 March 2020



Agenda

Housekeeping:

- **Emergency Exits and Restrooms**

0900-0915:

- **Ground Rules: PMS 317C (Mr. Dan Maher)**
- **Introduction/Greeting: N95B (Dr. DiGiovanni), PMS 317 (CAPT Searles)**

0915-1015:

- **LAW Program Brief: Mr. Dan Maher, PMS317C**
- **Questions/Answers**

1015-1030: Break

1030-1300: Individual Breakout Discussions



Ground Rules

- **This brief and discussion is preliminary only – not binding**
 - Does not constitute a Request for Proposal nor a commitment on behalf of the Government
 - Information provided is subject to modification and is no way binding on the Government
- **Please hold questions until the end of the briefing**
 - No detailed information beyond the brief or the RFI will be provided at this time
- **The list of attendees, the brief/slides and questions will be posted to FBO**
 - Additional questions not answered after the brief or during the breakout discussions can be submitted via email
- **One-on-one breakout discussions**
 - No additional time will be provided over the allotted meeting time
 - Walk-on meeting requests will be accepted on a first come, first serve basis
- **All cell phone devices must be turned off or on silent**
 - Cameras and recording devices are not allowed



Introduction

OPNAV N95 Dr. DiGiovanni

PMS317 PM Captain Scot Searles



Why LAW?

Evolving threats in the global maritime environment causing the Naval Forces to re-evaluate/adjust their Concept of Operations (CONOPs) to meet new challenges associated with maintaining persistent Naval forward presence to enable sea control and denial operations.

LAW

Intended to provide Naval Forces the maneuver and sustainment vessels to confront the changing character of warfare.



What will LAW be?

LAW Primary Function: Force maneuver and force closure, including operating into small, undeveloped ports and beaches.

LAW Secondary Function: May include force sustainment, logistics and reconnaissance.

Intended to be capable of:

- Beaching on sand, gravel, shale, small stone, and man-made marine ramps.
- Supporting on/offload of all existing USMC Rolling Stock inventory to beach areas with fording depths of less than 42”
- Operating at 14 knots for a minimum of 3500 nm
- Transiting open ocean up to Sea State 5 while fully loaded
- Enduring up to several weeks-long deployments and trans-oceanic transits
- Operating within fleet groups, or deploy independently



LAW Notional Program Schedule

| | | FY19 | | | | FY20 | | | | FY21 | | | | FY22 | | | | FY23 | | | | FY24 | | | | FY25 | | | |
|-------------|-------------------------|---|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|------|----|----|----|
| | | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
| Contracting | Acquisition | <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); opacity: 0.3; font-size: 4em; pointer-events: none;">OMITTED</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Traditional Acquisition | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Middle Tier Acquisition | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- ◊ Milestone
- ◆ Milestone Complete
- △ Phase Start/End
- ▲ Phase Started/Complete

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Key Program Assumptions

The Navy...

- **Expects notional procurement profile to be 3/6/10/9 starting in FY23**
- **Expects to leverage Industry's commercial design with few tailored Navy requirements to meet mission**
 - Adapted Commercial Design
 - Alter Commercial Design
 - Build to Print with Historic Design
- **Desires to drive down life cycle costs:**
 - The crew manning requirement identified is the maximum acceptable manning value
 - Further reductions through technology are encouraged



Objectives of the RFI

The Navy desires to:

- **Understand Industry's parent designs and their ability to meet the minimum attributes provided in this brief**
- **Understand the sensitivities/drivers to the parent design when modified to meet minimum attributes**
- **Understand Industry's existing production capacity/capability, and/or ability to partner to meet desired quantities in the required timeframe**
- **Understand any additional drivers to non-recurring engineering, production, and operating/support costs**
- **Evaluate information obtained from RFI for possible follow on Preliminary Design effort in late FY20/early FY21**



Information Requested

The Navy requests that interested parties:

- **Identify specific attributes for which the minimum attributes can be exceeded for minimal cost increases**
- **Identify any specific attribute that is either a significant cost driver, and/or drives a significant design change**
 - With a description of the issue and preferred alteration, including the NRE ROM cost
- **Identify any tradeoffs necessary to meet or exceed attributes**
 - Including production and cost impacts
 - If tradeoffs are required, vendors are encouraged to prioritize based on cost and production schedule impact

The Navy request White Paper Information of ship designs w/attributes be submitted no later than 20 March



Key LAW Attributes

The **Navy** considers the following attributes to be the **minimum** acceptable level :

| Attributes | Minimum |
|--|---|
| Cargo Area | 8000 sqft |
| Cargo Weight | 850 short tons |
| Deck Loading | 500 lb/sqft |
| Service Life | 10 years |
| Transit Speed | 14 kts |
| Manning Accommodations | 30 Navy crew max 43 Marine Surge min |
| Range (Minimum operating range at most efficient speed w/ 10% fuel reserve) | 3500 NM |
| Crane (boat and cargo) | 10 tons |
| Cargo Fuel | 90,000 gal |
| Overall length | 200-400 ft |



Breakout Discussions

- **Breakout Discussions will be held from 1030-1300**
 - Schedules handed out at registration and also posted in the kitchen area
 - Any material provided should be appropriately marked (i.e. Proprietary, company sensitive, etc....)
 - Once the Breakout session is concluded, the vendor is done for the day



Questions?

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