



# USMC Small Craft Procurements

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# Agenda



*Ground Weapons Directorate*

- USMC Acquisition Process
- Current Boat Programs
- Small Unit Riverine Craft (SURC)
  - Timeline
  - Logistic Support
- Light Strike Craft (LSC)
- Recommendations and Questions





# USMC Acquisition Process



*Ground Weapons Directorate*

## Small Craft Team

### Riverine (SURC/RAC/LSC)

- PO - Maj Alan Greenwood  
(703.784.2006 ext.2742)
- Engineer – Mr. Roger Wood  
(703.784.2006 ext. 2774)
- Logistician – Ms. Darrelle Harris  
(703.784.2006 ext. 2702)

### Raid (CRRC/Engines/LSC)

- PO –GySgt Dave Grandin  
(703.784.2775)
- Engineer – Mr. Roger Wood  
(703.784.2006 ext. 2774)
- Logistician – Mr. Tom O'Hara  
(703.784.1022)





# USMC Acquisition Process



*Ground Weapons Directorate*

## OLD

- PM =Preventative Maintenance
- ORP =Objective Rally Point
- FARP =Forward Arming and Refueling Point
- IOC =Infantry Officers Course
- PD =Point of Departure

## NEW

- PM =Program Manager
- ORD =Operational Requirements Document
- FAR =Federal Acquisition Regulations
- IOC =Initial Operational Capability
- PD =Purchase Description



# CBRP's UNS Development Path

Version 1.6  
(updated 9 Jan 2001)

**Purpose of UNS**  
The completed Universal Need Statement is the most important information component in the Concept Based Requirements Process (CBRP). As the primary means of entry into the CBRP, the UNS acts as a "work request" for current and future capabilities. The UNS identifies operational opportunities and deficiencies in capabilities. Opportunities include new capabilities, improvements to existing capabilities, and elimination of redundant or unneeded capabilities. "Universal" highlights the form's common use for capturing both current needs from operating forces and future needs developed through analysis, assessment, and experimentation with future warfighting concepts.

UNS (Part Ia)  
Universal Need Statement (UNS)

1a

Analysis, Assessment and experimentation with future warfighting concepts

UNS (Part Ia)  
Universal Need Statement (UNS)

MCCDC (Assessment Br) reviews the UNS to determine if it is addressed in the CDTs. The UNS is also assigned a CDTs Tracking Number.

1b

UNS (Part Ib)  
Assessment Branch Review

Advocates review the UNS with their constituency to determine if a solution exists that would eliminate need for further processing. Lead Advocate coordinates responses from supporting Advocates

1c

Advocates Review

Advocates endorse entry of UNS into CDS.

UNS (Part Ic)  
UNS With Lead Advocate Endorsement

MCCDC (Studies & Analysis Div) analyzes the UNS with respect to future capabilities described in planning, analysis, and implementation documents under their configuration management such as the USMC Vision Roadmap or Mission Area Analysis (MAA).

2

S&A Div  
Analysis of UNS to Future Plans

UNS (Part II)  
Analysis of UNS to Future Plans

3

Assessment Branch and DWG reps  
Conduct DOTES Categorization of UNS

UNS  
FUTURE  
UNS (Part III)  
DOTES Categorization of the UNS

The assets for resolving UNS needs are segmented into five components: Doctrine, Organization, Training & Education, Equipment, and Support & Facilities. Related to as the pillars of DOTES, each of these components are "assigned" to organizations for need resolution as part of the CBRP. Because the solution resources are "task organized" by DOTES categories, it is essential that the UNS be framed in this same context. Therefore during "DOTES Categorization", MCCDC Assessment Branch breaks out the components of the UNS deficiency or opportunity using DOTES. In this way, the UNS is ready for further assessment by the DWG.

The DOTES WG chaired by Assessments Branch develop proposed Courses of Action which address involvement of all DOTES categories. As a part of this process, a non-material COA (no "E" component) will be produced. DOTES SMEs as members of the DOTES WG along with the UNS originator assist with development.

4

DOTES WG develops proposed DOTES Solution Courses of Action (COA)

The DOTES WG develop proposed Courses of Action (COA) for UNS with the help of DOTES WG (which may include the UNS Originator). Each UNS will include a Non-material COA #1 in fulfillment of both DoD 5000 and SECNAVINST 5000 guidance. Each Solution COA will present an integrated approach addressing all pertinent pillars of DOTES. Page 3 of Part IV provides the recommended Solution COA chosen by DCG CD and rationale for its selection. The recommended COA is provided to the lead Advocate

UNS (Part IV)  
FUTURE  
DOTES  
proposed DOTES Solution COAs

COA Recommendation

5

Advocate COA Selection

Return to Originator

The Solution Planning Directive documents the results of the Solution COA selection process. Once approved by the Advocates it is published by DC for CD. The SPD provides specific and integrated tasking for the components of DOTES based on the approved COA. In addition, issues identified in the COA Estimates of Supportability are resolved to the extent required for resolution of the UNS.

UNS (Part V)  
FUTURE  
DOTES  
COAs  
Solution Planning Directive (SPD)

DOTS COAs

Doctrine Div, TFS Div, T&E Com, and I&L  
Implement DOTS Solution

Equipment COA (with estimate of Technology Readiness Level)

"From Need Identification to Solution Plan in a 5 part form"

CDTS Short Title			
CDTS # _____			
UNS form	Actions	Date Rec'd	Date Fwd'd
1a	Originator writes Universal Need Statement (Part Ia)		
1b	Assessment Branch Reviews UNS		
1c	Advocates review & endorse UNS		
2	S&A Division analysis of UNS to Future Plans		
3	Assessment Br with DWG Reps conduct DOTES Categorization		
4	DWG develops proposed DOTES Solution COAs. DCG CD recommends COA		
5	Advocates select COA and DC for CD issues SPD		

The S&T Working Group IPT develops the S&T Requirements Document. The membership includes MCWL, MCSC, WDDI, Advocates, and Operating Forces. The S&T Rqmnt Doc is appended to the SPD.

S&T Working Group IPT Develops S&T Requirements Document (1 mo)

UNS  
FUTURE  
DOTES  
COAs  
SPD  
S&T Req't Document

The S&T Working Group IPT provides oversight to the S&T Developer to ensure the requirement to increase the item's technology readiness level (TRL) to be ready for entry into the Engineering Manufacturing Development (EMD) phase of acquisition. In cases where the S&T development results in transition from 6.2 to 6.3 funding, this event is communicated to MCCDC ER Division in order to begin preparation of acquisition requirements documentation to support the introduction of EMD ready technology.

S&T Development  
6.1 - 6.2 ..... 6.2 to 6.3 ..... 6.3

EMD Ready Technology

Transition from 6.2 to 6.3 signals the beginning of development of the Equipment Requirements Documentation

The Requirements Documentation IPT develops the Equipment Requirements Document (i.e. MNS, ORD, Statement of Need). The IPT is chaired by MCCDC ER Div and members include MCSC, MCOTE, and MCWL. The Equipment Rqmnt Doc is appended to the SPD.

Requirements Documentation IPT Develops Equipment Requirements Document (1-6 mo)

UNS  
FUTURE  
DOTES  
COAs  
SPD  
MNS, CRD, ORD, Statement of Need

The Requirements Documentation IPT provides oversight to the MCSC acquisition process. The IPT continually reviews and updates the e Requirements Documentation as the program transitions through its acquisition milestones.

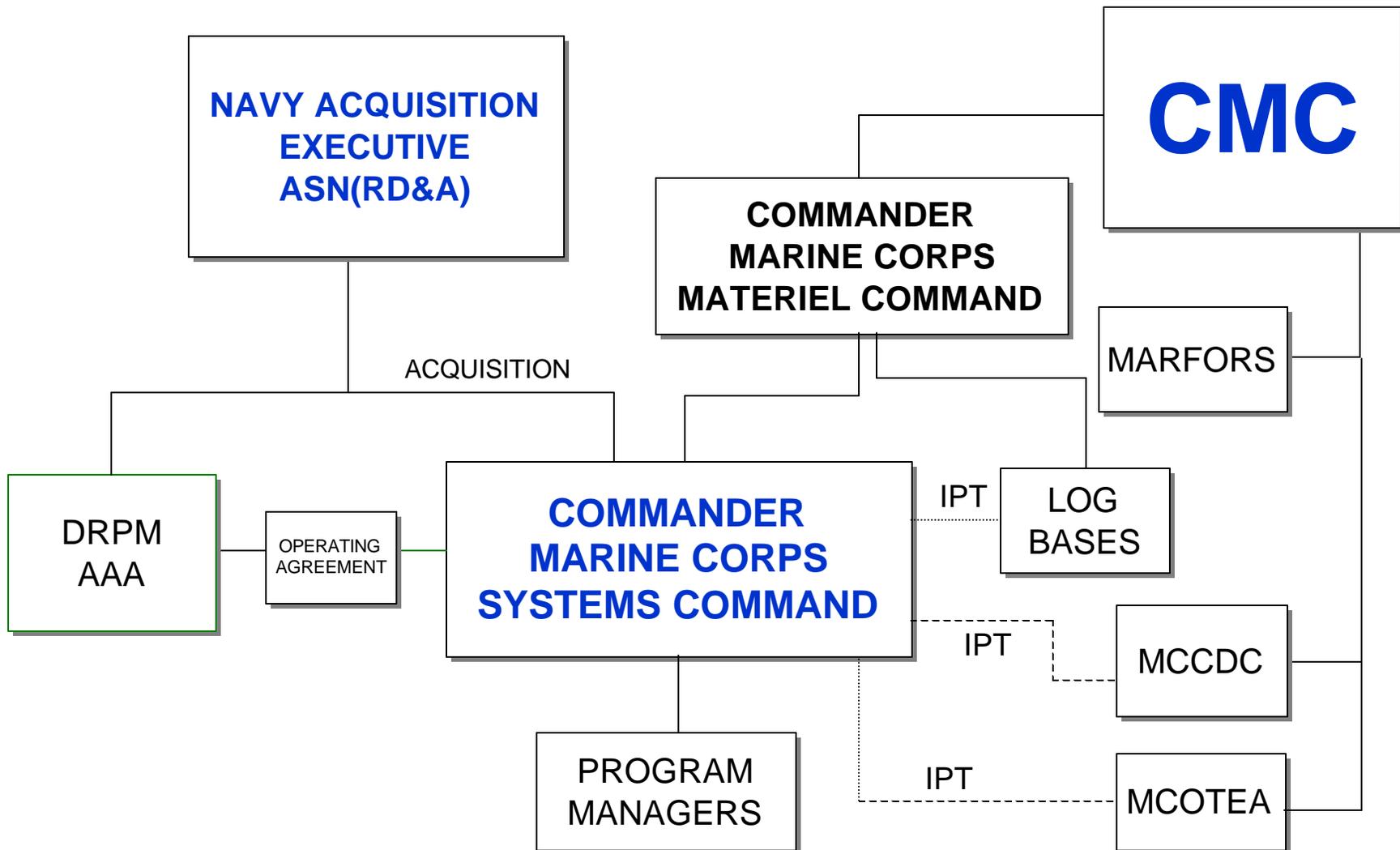
MS A MS B MS C  
MCSC Acquisition

Fielded Equipment

TRL 1-6

TRL 7-9

# ORGANIZATIONAL RELATIONSHIPS





*Ground Weapons Directorate*

# Current Programs



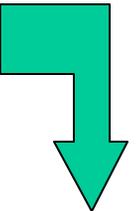


Rigid Raiding Craft



Mission Areas

- Riverine
- Amphibious Raids
- Reconnaissance



Combat Rubber Reconnaissance Craft (CRRC)

Riverine Assault Craft (RAC)





# Future Programs



*Ground Weapons Directorate*

- Small Unit Riverine Craft (SURC)
  - SURC – Escort Variant
- Light Strike Craft (LSC)





# SURC



*Ground Weapons Directorate*

- Purpose: Provides troop transport in a riverine environment. Replaces RRC.
- Status: Approved Operational Requirements Document. Approved funding.
- Draft Specification posted on [www.marcorsyscom.usmc.mil](http://www.marcorsyscom.usmc.mil) under “Business Opportunities”
- Approved Acquisition Objective: 46 craft
  - 20 escort variants (in approval process)
- Critical Feature: Logistic Support





# SURC Schedule



*Ground Weapons Directorate*

- Jun '01 – Conclude Business Analysis
- Jul '01 – Release draft RFP
- Aug '01 – Industry day
- Sep '01 – Release final RFP (45 days)
- Oct '01 – Source Selection
- Nov '01 – Award Contract





# SURC Logistic Support



*Ground Weapons Directorate*

- Logistic support will be included in the SURC contract.

## Goals:

- Increase availability, reliability, and maintainability
- Decrease Operations & Support (O&S) Costs





# SURC Logistic Support Core Functions



*Ground Weapons Directorate*

- Support for duration of life cycle – 10 years.
- Provide timely delivery of parts worldwide.
- Manage craft configuration and track asset status.
- Provide On-Site Field Service Representatives (FSR's) for maintenance training and annual Preventative Maintenance.
- Conduct warranty management for all commercial components.
- Provide usage data reports and recommendations.
- Depot level services: technology upgrades, component rebuilds, and manual updates.





# SURC – Escort Variant



*Ground Weapons Directorate*

- Replace armed escort functions of Riverine Assault Craft.
  - Increased weapons and firepower over RAC
  - Increased sensor and enemy detection capability
  - Ballistic protection
- Included as an option on SURC base contract.
- Same hull and propulsion system as SURC.
- Replace 24 RACs with 20 SURC- E Variants





# Light Strike Craft



*Ground Weapons Directorate*

- Purpose: To provide future amphibious raid and reconnaissance platform.
- Status: MS A – Concept and Technology Development. Requirements refinement.
- Approved Acquisition Objective: 136
- Critical Features:
  - Multi-fuel propulsion system (JP –5)
  - Portability
- Schedule: MS B – FY03





# Light Strike Craft (cont)



*Ground Weapons Directorate*

## Top level requirements:

1. Transports 8-13 Marines.
2. Uses JP-5.
3. Meets embarkation requirements for MEU(SOC)s and be fully compatible with amphibious shipping.
4. Portable by boat team while aboard shipping and at Beach Landing Sites (BLS).
5. Provides sufficient speed, acceleration, maneuverability in Sea State 3, surf zones, and during 25 nm transits.





# Recommendations



*Ground Weapons Directorate*

- Stay in touch with project officers – we rotate every 3 years.
- Provide product information for us to stay current with market.
- Ask questions about our acquisition processes.
- Visit [www.marcorsyscom.usmc.mil](http://www.marcorsyscom.usmc.mil) “Business Opportunities” for updates on SURC program.
- Provide questions and comments on draft SURC RFP when posted.



# Questions



For general USMC boat information visit -  
<http://usmc.boats.dt.navy.mil>