




SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Maritime Systems



Anthony Baker

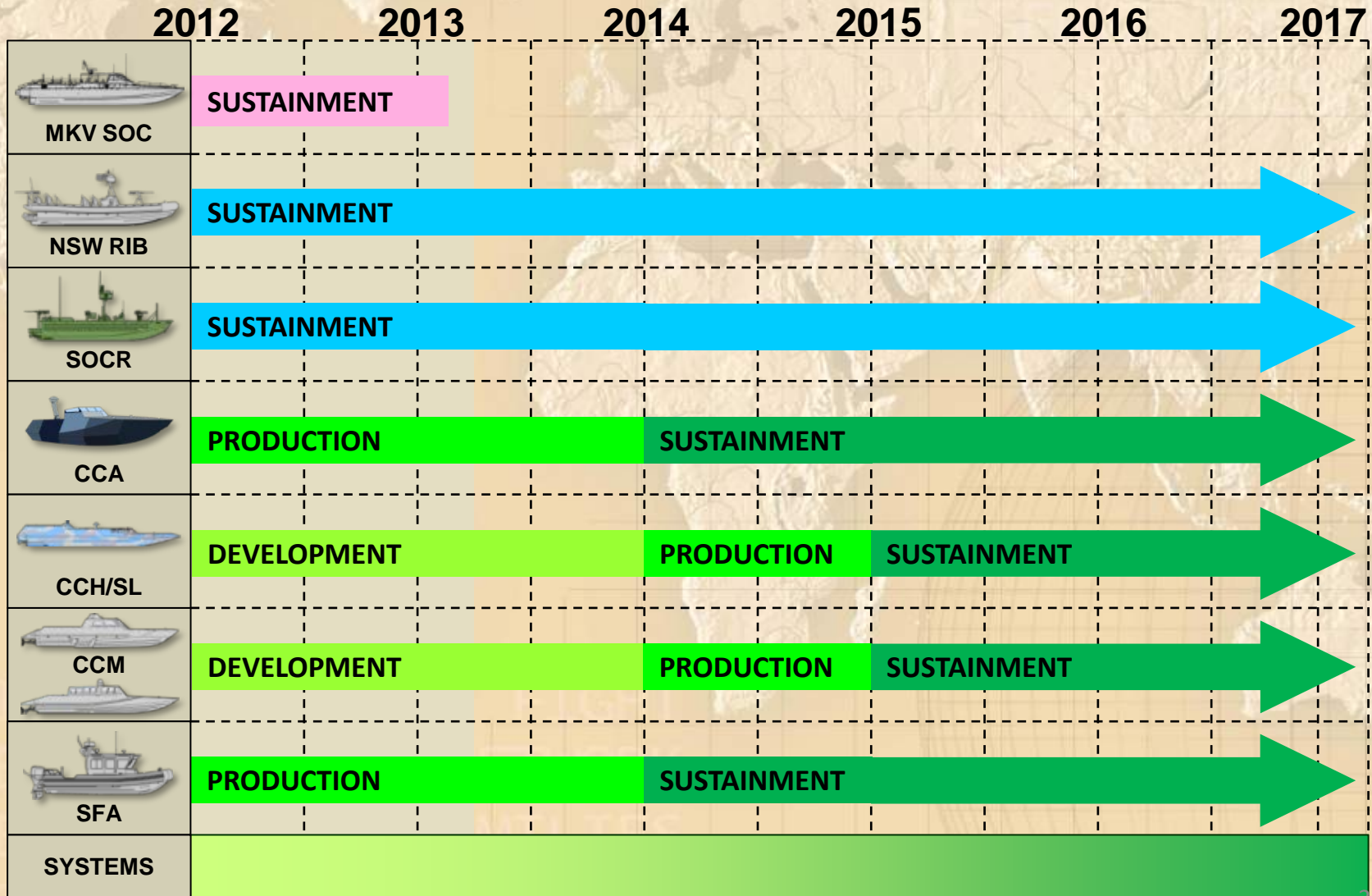
CDR, USN

Program Manager, Surface Systems

Agenda

- NSW Surface Craft Roadmap
- Update On Program Office Efforts
 - Combatant Craft Assault (CCA)
 - Combatant Craft Medium (CCM)
 - Combatant Craft Heavy (CCH – SEALION)
 - Maritime Craft Aerial Delivery System (MCADS)
 - Security Forces Assistance (SFA) Craft
- Strengthening The SOF Bond Vignette
- Business Opportunities
 - Combatant Craft Forward Looking Infrared (CCFLIR) Next
 - Special Operations Craft Riverine (SOCR) Next Generation
- Technology Gaps (Next Generation Surface Systems)

NSW Surface Craft Roadmap



Combatant Craft Assault (CCA)

- Medium Range, Maritime Interdiction Operations In Medium/High Threat Environment. In Addition, Supports Coastal Patrol And SOF Insertion/Extraction Operations.
- Technology Upgrades/Current Efforts:
 - Use Of SPRINT Composite Technology
 - High Performance Diesel Engines
 - Reduction Of Logistical Footprint/Parts Tracking
 - Commodity Procurement



Combatant Craft Assault (CCA)

- Uses State Of The Art Technology For Performance And Crew Situational Awareness

ACQUISITION STRATEGY

- Post-Production And Contractor Logistical Support

PERIOD OF PERFORMANCE

- FY13 Though FY19

MILESTONES

- First Delivery: Oct 2013
- IOC: 4QFY15
- FOC: 3QFY16

POINT OF CONTACT

- USSOCOM SORDAC, Surface Systems Program Management Office
- 813.826.9482 (TILO)

FUNDING

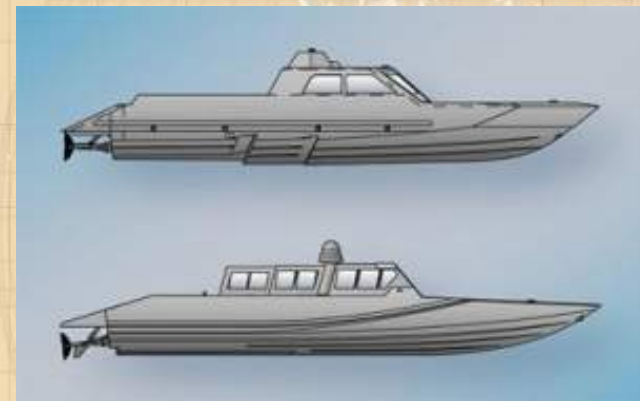
- PROC: FY13 Through FY19
- O&M: FY13 Through FY19

CURRENT CONTRACT/OEM

- TBD

Combatant Craft Medium (CCM) Mk1

- Replacement For MK V Special Operations Craft And NSW RIB
- Multi-role Surface Combatant Craft With The Primary Mission Of Inserting And Extracting SOF In Medium Threat Environments
- Envisioned As An Essential Step In Providing A Modern, Clandestine, Agile, Adaptive, And Operationally Capable Maritime Craft As A Force Multiplier Within The SOF Structure
- Technology Upgrades/Current Efforts:
 - Remote Weapons Integration
 - Wide-band SATCOM On The Move
 - Down Selected To Two Vendors: USMI, OIW
 - Test Article Deliveries: May 2013
 - Government Testing: May - Sep 2013



Combatant Craft Medium (CCM) Mk1

- Designed To Be:
 - C-17 Transportable
 - Carry A 4-man Crew And 14-19 Passengers

ACQUISITION STRATEGY

- Full And Open Competition
- Requirement For 30 Craft

PERIOD OF PERFORMANCE

- 10 Year Period Of Performance For Production, Engineering, And Contractor Logistics Support

MILESTONES

- Test Article Delivery: 3QFY13
- MSB: 2QFY14
- MSC: 3QFY14
- IOC: 4QFY15
- FOC: 3QFY20

POINT OF CONTACT

- USSOCOM SORDAC, Surface Systems Program Management Office
- 813.826.9482 (TILO)

FUNDING

- RDT&E: FY13 Through FY18
- PROC: FY13 Through FY16
- O&M: FY13 Through FY18

CURRENT CONTRACT/OEM

- Oregon Iron Works
- United States Marine, Inc.

Combatant Craft Heavy (CCH – SEALION)

- Medium To Long Range Combatant Craft For Clandestine Insertion/ Extraction Of SOF In A Medium To High Threat Environment
- Transportable By C-17 And L-class Well Deck Amphibious Ships
- Variable Payload, Self Deployable From Forward Locations
- Technology Upgrades/Current Efforts:
 - Refurbish And Transition Two Navy Advanced Technology Demonstrators Into Operational Craft (Aug 12 – July 13)
 - Operational Testing (Apr-Nov 2013)



Combatant Craft Heavy (CCH – SEALION)

- Researching Multi-purpose Tactical Trailer - Capable Of C-17 Transport, Wet Launch, DOT Certified

ACQUISITION STRATEGY

- Sole Source Contract With Original Equipment Manufacturer

PERIOD OF PERFORMANCE

- Contract Award Was Aug 12 With A 12 Month Period Of Performance

MILESTONES

- MS-B/C & IOC: FY14
- FOC: FY18

POINT OF CONTACT

- USSOCOM SORDAC, Surface Systems Program Management Office
- 813.826.9482 (TILO)

FUNDING

- RDT&E: FY14 Through FY16
- PROC: FY17
- O&M: FY13 Through FY18

CURRENT CONTRACT/OEM

- Oregon Iron Works, INC.

Maritime Craft Aerial Delivery System (MCADS)

- Worldwide Capability Extending The Range Of The NSW RIB
- Certified For Air Drop From C-130, C-5, And C-17
- Consists Of A Platform, Mechanical And Pyrotechnic Releases, Parachutes And NSW RIB MOD Kit
- Technology Upgrades/Current Efforts:
- Increase In Cargo Carrying Capacity



Maritime Craft Aerial Delivery System (MCADS)

- System Is Currently In Sustainment
- Replacements Procured Via Sole Source Contracts And National Stock System

ACQUISITION STRATEGY

- Sole Source Based On Cost To Certify Other Systems

PERIOD OF PERFORMANCE

- Sustainment Until FY19

MILESTONES

- None

POINT OF CONTACT

- USSOCOM SORDAC, Surface Systems Program Management Office
- 813.826.9482 (TILO)

FUNDING

- O&M: FY14 Through FY18

CURRENT CONTRACT/OEM

- Platforms-Airborne Systems Europe
- Pyrotechnic Releases – Conax Florida

Security Force Assistance (SFA) Family of Craft

- Previous Procurement Was For SFA-Small (25 Foot) Craft To Train With Partner Nations In Coastal Line Patrol Operations. Used In A Low And Permissive Threat Environment.
- Technology Upgrades/Current Efforts:
 - Current Procurement Is For SFA-Large (38 Foot) Craft Which Will Enable NSW To Train Partner Nations In Patrol Coastal Operations. Craft Will Be Stationed In CONUS And Not Deploy.



Small



Large

Security Force Assistance (SFA) Family of Craft

- Commercial-Off-The-Shelf Procurement Via GSA

ACQUISITION STRATEGY

- Commercial-Off-The-Shelf (GSA)
- Requirement For 12 SFA-Small And 5 SFA-Large

PERIOD OF PERFORMANCE

- Contracts Awarded For Procurement In Oct 12 With Expected Delivery In Aug 13

MILESTONES

- None

POINT OF CONTACT

- USSOCOM SORDAC, Surface Systems Program Management Office
- 813.826.9482 (TILO)

FUNDING

- PROC: FY13 Through FY18
- O&M: FY13 Through FY18

CURRENT CONTRACT/OEM

- GSA w/Safe Boats For SFA-Large And SFA-Small


Naval Small Craft Instruction and Technical Training School (NAVSCIATTS)


Mission: “NAVSCIATTS Conducts Foreign Internal Defense (FID) In Support Of Combatant Commanders IAW Commander, US Special Operations Command Priorities Using In-resident Training And Mobile Training Teams (MTTs) To Prepare Partner Nation Forces To Conduct Small Craft Operations In Riverine Or Littoral Environments.”




In Resident Training

- 1. Patrol Craft Officer-Riverine COI** (9 Weeks)
- 2. Patrol Craft Officer-coastal COI** (9 Weeks)
- 3. International Tactical Communications COI**
(5 Weeks)
- 4. Outboard Motor Maintenance And Overhaul COI** (8 Weeks)
- 5. Diesel Systems Overhaul And Maintenance**
(8 Weeks)
- 6. Patrol Craft Hull Maintenance**
(8 Weeks)
- 7. International Small Arms Maintenance**
(4 Weeks)
- 8. Waterborne Instructor-Riverine** (8 Weeks)
- 9. Waterborne Instructor-coastal** (8 Weeks)
- 10. Strategic Level Small Craft Combating Terrorism Course**
(4 Weeks, English Only)
- 11. Instructor Development Course**
(2 Weeks)
- 12. Rule Of Law And Disciplined Military Operations**
(1 Week)
- 13. Combat Lifesaver Course**
(2 Weeks)

 Operational

 Maintenance

 PME

 Senior Officer

Small Craft “Total Package Approach”

- **FMS And/ Or Grant Equipment Purchases/ US And PN Investment To Support A Capability Development.** Each Case Should Include A Comprehensive “Total Package”.
 - **“Assessment”** To Id Capability, Resource And Infrastructure Gaps / Requirements.
 - **All Packages Should Include:**
 - Tactical And Technical Training Lines For Successful Capacity Building. (“Train The Trainer”)
 - Small Craft With Prime Movers/ Trailers
 - Facilities, Equipment, Tools, Parts, Etc.
 - In-country Contractor Training (“Knobology” / Equip Specific Training)
- **In-country Engagements To Further Develop Capabilities Via FMS/ Grant Mobile Training Teams And/ Or Title 10 Events.**
 - **Mobile Training Teams:**
 - NAVSCIATTS Uses In-resident Graduates As Primary/Adjunct Instructors.

Key Elements for Optimal Training

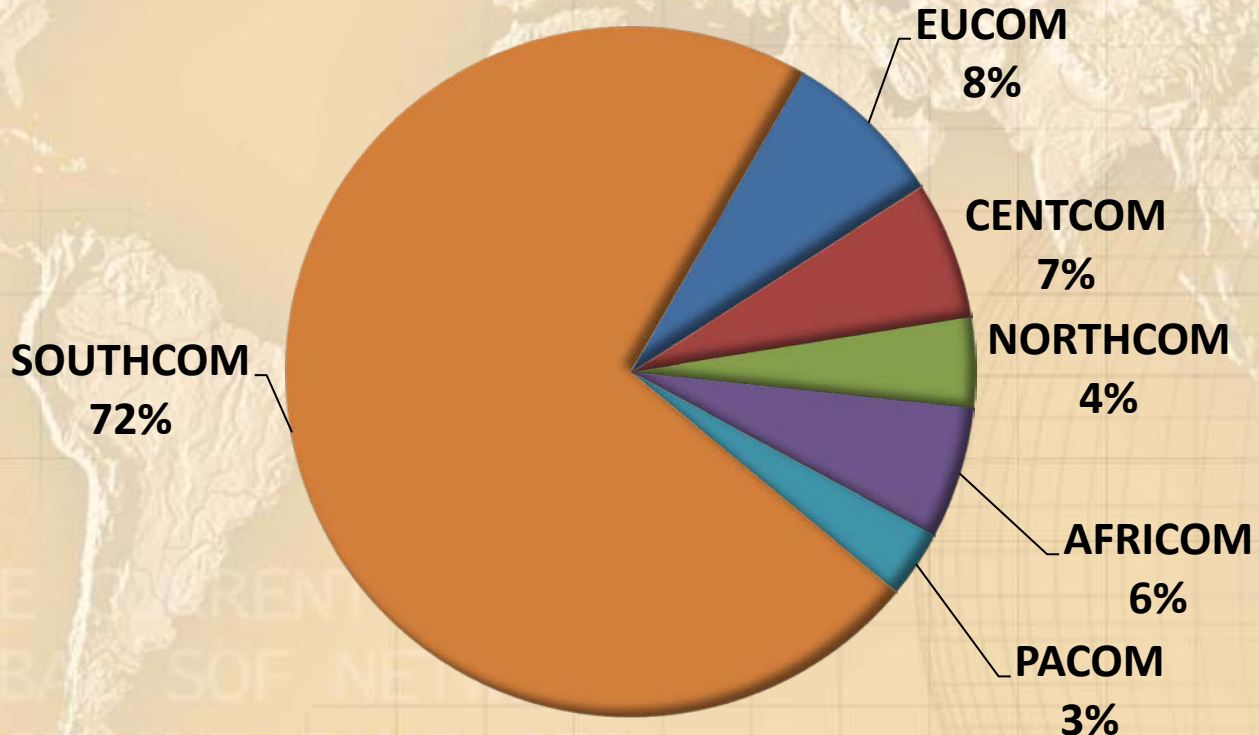
- Riverine , Coastal And Craft Maintenance Expertise
- Professional Instructor Cadre
- Subject Matter Experts
- Certified Curriculum
- Student Guides English, Spanish, Arabic, French, (8)
- MTTs Tailored To Host Nation Requirements
- Strategic, Operational, Technical Training / Education
- Focused Training Environment (No Distractions)

WIN THE CURRENT FIGHT
THE GLOBAL SOF NETWORK
THE FORCE AND FAMILIES
RESPONSIVE RESOURCING



Global Throughput by GCC

NAVSCIATTS Has Trained More Than 10,000 International Military Students From More Than 95 Allied Nations.



WIN THE CURRENT
THE GLOBAL SOFT NEW
THE FORCE AND FAMILIES
RESPONSIVE RESOURCING

Business Opportunities

- **CCFLIR Next**

- Funding: RDT&E: FY14 Through FY16
PROC: FY14 Through FY18
O&M: FY13 Through FY18
- Acquisition Strategy:
 - Full And Open Competition
 - Requirement For All Combatant Craft

- **SOCR Next Generation**

- Funding: Procurement FY 15 Through FY 18
- Acquisition Strategy: TBD

- **Next Generation Surface Systems**

- Funding: RDT&E: FY14 Through FY16
- Acquisition Strategy: SIBR Development Projects

Combatant Craft Forward Looking Infrared (CCFLIR) Next

- Ruggedized, Marinized, Light -Weight, Gyro Stabilized, Cryogenically Cooled, Day Color, Low Light, Camera, Infrared Camera, Laser Range Finder And Laser Pointer
- Technology Upgrades/Current Efforts:
 - Software Upgraded To Reduce Display Clutter/ Enabled All Output Protocols/Improved Tracker Function
 - Implementation Of Joy Stick Control Unit (All NSW Craft)
 - 360 Degree Situational Awareness, Larger Focal Plane Arrays And Multispectral Arrays
 - Integration With Remote Weapon Systems (RWS) To Improve User Interface
 - Thermal And Radar Signature Reduction/Survivability

Special Operations Craft Riverine (SOCR) Next Generation

- Short Range Insertion And Extraction Of SOF And Waterborne Special Reconnaissance In A Riverine And/Or Littoral Environment – Current Sustainment Contract Ends In CY14
- SOCR Replacement Will Use Present Technology In Terms Of Hull Structure, Power Train, On-board/Off-board Sensors, And Armor To Increase Current Capabilities
- Technology Upgrades/Current Efforts:
 - Engine Monitoring
 - Improve Lightweight Armor



Technology Gaps (Next Generation Surface Systems)

- Shock And Vibration Mitigation
 - Develop/Identify Tools, Metrics, Procedures, And Manning Requirements Needed To Implement A Successful SWCC Health Monitoring Program
 - Provide Ability To Accurately Track Individual SWCC Cumulative Exposure Levels To Repeated Shock Associated With HSC Activities
- High Speed Combatant Craft Automated Ride Control (ARC)
 - Develop A Lightweight ARC Prototype System That Will Dynamically Adjust Craft Systems (Such As Trim Tabs, Effectors And Propulsion Vector) To Reduce Craft Slamming And Rolling By No Less Than 30%

Technology Gaps (Next Generation Surface Systems)

- Wideband SATCOM On The Move
 - Provide High Bandwidth Beyond Line Of Sight And Over The Horizon Capacity
- Propulsion
 - Increase Power/Weight Ratio And Fuel Efficiency
- Armor
 - Increase Ballistic Protection And Reduce Weight

WIN THE CURRENT FIGHT
THE GLOBAL SOF NETWORK
THE FORCE AND FAMILIES
RESPONSIVE RESOURCING



Questions?

WIN THE CURRENT FIGHT
THE GLOBAL SOF NETWORK
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