N851
NAVAL SPECIAL WARFARE BRANCH

Captain Bob Wilson
Branch Head
Resource sponsor for:

- Naval Special Warfare (NSW) service common requirements. (FY10 ~$22.5M)
- Navy Riverine Force. (FY10 ~$18.2M)

Senior NSW advocate/advisor on the staff of the CNO.

- NSW Urgent Operational Need (UON)/SOF - related Joint Urgent Operational Need (JUON) advocate.
- Advisor in support of N81 analyses and studies that include or support NSW/SOF equities.

OPNAV coordinator/advocate for Navy programs that support/involve NSW/ExW. Examples include:

- Scan Eagle Unmanned Aircraft System (in support of NSW and USCENTCOM).
- Small Tactical Unmanned Aircraft System (STUAS).
- Special Operations Force (SOF) support attributes of future Navy ships.
- Navy policy for Premeditated Personnel Parachuting (P3) operations.
- “Naval Solution for Visit, Board, Search and Seizure (VBSS).”
- Navy rotary wing support to SOF (transitioned to N3N5 Irregular Warfare Office).

Represent Commander, NSW Command, as directed, in the National Capital Region.
N851 - Top Programs

- **Naval Special Warfare (NSW)**
  - Provide procurement and sustainment resources for service common capabilities, to include:
    - Small Arms & Weapons Mounts
    - Tactical Communications Equipment
    - Night Vision Equipment
    - Training Support Craft
    - Operational Stocks
    - Planning & Management Support Systems

- **Riverine Activities Program**
  - Provide procurement resources for initial outfitting, capability improvements and phased replacement for Riverine Group ONE and component Riverine Squadrons ONE, TWO and THREE.
  - Achieve Full Operational Capability (FOC) by FY 2010 (with exceptions).
  - Support establishment of a “Fourth Riverine Squadron.”

- **Unmanned Aircraft Systems (STUAS) for L-Class ships, NSW and NECC**
  - Representing N85 equities (NSW, NECC and L-Class ships) in this N2N6 - resourced program.
  - Expeditionary Forces require STUAS Tier II vice STUAS – Lite.

- **Procurement/sustainment of Scan Eagle Unmanned Aircraft Systems ISO SOF**
  - Requested by NAVSPECWARCOM, via UONS, and USCENTCOM, via JUONS for OIF and OEF.
  - Capabilities provided by the JUON employed under custody of NAVSPECWARCOM.
  - N851 coordinates execution with NAVAIR program office, Task Force ISR, Naval Special Warfare Command, Special Operations Command Central and other involved/interested parties.
Naval Special Warfare

Capability Description

- Naval Special Warfare (NSW) forces conduct special operations in support of Joint Force and Navy commanders. Examples include, but aren’t limited to:
  - Direct Action
  - Special Reconnaissance
  - Foreign Internal Defense
  - Counter-terrorist Operations

- NSW Forces have been deployed to OEF since 2001 and OIF since 2003.

- Navy is responsible for providing resources to support NSW service common capabilities/sustainment.

- Categorization: Navy - only program (SOCOM interest)
  - N85 - Principal resource sponsor; responsible for (most) NSW service common procurements/sustainment (OMN, OPN, WPN). [N6F was responsible for resourcing NSW service common portable radios (OPN); resources now in N85.]
  - N86 - Responsible for resourcing NSW service common Chemical, Biological, Radiological Decontamination Equipment (CBRDE) and Small Tactical Unmanned Aircraft System (STUAS) capabilities (OMN, OPN, APN).

USSOCOM - Resource sponsor for all Special Operations peculiar capabilities/sustainment, capability improvements and all NSW ammunition.
**NSW Scan Eagle UAS**

**Mission:** Procured in response to NSW and Joint SOF Urgent Needs, the Scan Eagle UAS is provides Full-motion Video (FMV) intelligence, surveillance, reconnaissance, and targeting support to tactical users.

- **Operational Overview**
  - IOC: Nov 08 (OIF), Aug 09 (OEF)
  - OIF (as of 30 Sep 09):
    - Sorties: 346
    - Total Flight Hrs: 1847 hrs
  - OEF (as of 30 Sep 09)
    - Sorties: 58
    - Total Flight Hrs: 450 hrs

- **Rapid Development Deployment (RDD) – Special Payload Efforts**

- **Equipment:**
  - Scan Eagle UAS (12 air vehicles per site)
  - Ground Control Stations, Launch/ Recovery, Pack-up & Maintenance kits, Ops/Maintenance Shelters

- **Operational Employment:**
  - 9 Navy-owned systems
    - 6 x Operational, 2 x training, 1 x Op Spare
  - Hub & Spoke Operations (300 hrs/month)
    - Spoke (Forward Control Station) ~100km

Scan Eagle UAS is an interim capability until fielding of STUAS Program of Record ~4Q FY13
Riverine Activities

Capability Description

- Operational Riverine Force components (Riverine Squadrons) are organized, trained and equipped to conduct maritime security operations and theater security cooperation missions along inland waterways. Examples include, but aren’t limited to:
  - Patrol
  - Interdiction/Visit, Board, Search, Seizure
  - Troop transport
  - Foreign Internal Defense

- N851 has been managing initial outfitting resourcing of the Riverine component of NECC since late FY05.

- Riverine Squadrons have been deployed to OIF since March 2007.

- Categorization: Navy - only program
  - N85 - Principal resource sponsor; responsible for procurement resources (OPN, WPN, PANMC, RDTEN)
  - N2N6 - Responsible for resourcing portable radios (OPN)
  - N43 - Responsible for resourcing readiness funding (OMN)
  - N86 - Responsible for resourcing CBRDE (OPN, OMN)
USN Riverine Craft

Riverine Assault Boat (RAB)

Riverine Patrol Boat (RPB)

Riverine Command Boat (RCB)

Combat Rubber Raiding Craft (CRRC)
Riverine Vehicles

MK 25 MTVR W/ MAS ARMOR KIT

UPARMORED HMMWV

CAT I

CAT II

MRAP (Mine Resistant Ambush Protected)
Weapons

- M4
- M9
- M500
- M2HB
- GAU-17
- MK19
- M240G
- MK21
- MK48
BACKUPS
What N851 Needs from Industry

- Lighter weight body armor
- Lighter weight modular/removable vehicle & boat armor
- Improved anti-corrosive coatings for weapons
- Batteries with higher power densities and lighter weight
- Tools to aid with concealment of people and equipment
- Portable translation devices and even better, ability to manage pools of vetted native speakers that can be tapped into
- (N2N6/CT Support) Data mining tools that can reach across the plethora of databases that can’t talk to each other
- Heavy Fuel Engine for shipboard UAS ops
NAVAL SPECIAL WARFARE (N851)

Service Common Capabilities
- Pre-positioned operational stocks
- Visual Augmentation Systems
- Training support craft
- Small-arms and weapons mounts
- Tactical Communications Equipment

Irregular Warfare (IW)
- Developing Navy IW portfolio investment strategy
- Provide recommendations for Navy unique, risk-mitigating solutions to Joint IW efforts

Future Capabilities
- Integrate into future Navy capabilities and concept development of unmanned systems
- Provide expertise in development of future Special Warfare service common items
# Riverine Assault Boat (RAB)

## Characteristics

<table>
<thead>
<tr>
<th>Hull Type</th>
<th>High-grade Aluminum Rigid</th>
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<tbody>
<tr>
<td>Length</td>
<td>33 ft</td>
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<tr>
<td>Beam</td>
<td>9 ft</td>
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<tr>
<td>Draft</td>
<td>2 ft</td>
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<tr>
<td>Crew</td>
<td>7</td>
</tr>
<tr>
<td>Passengers</td>
<td>-</td>
</tr>
<tr>
<td>Twin Diesels w/ Water Jets</td>
<td>Yes</td>
</tr>
<tr>
<td>Top Speed: full load</td>
<td>30 knots - cruise</td>
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<tr>
<td></td>
<td>40 knots - sprint</td>
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<tr>
<td>Range</td>
<td>250 nm</td>
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<tr>
<td>Fuel Capacity</td>
<td>250 gallons</td>
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<tr>
<td>C-130 Transportability</td>
<td>No</td>
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<tr>
<td>Combat Load</td>
<td>20, 500 lbs.</td>
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<tr>
<td>Bow Door/Ramp</td>
<td>No</td>
</tr>
<tr>
<td>Weapons Foundations</td>
<td>Multiple</td>
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# Riverine Patrol Boat (RPB)

## Characteristics

<table>
<thead>
<tr>
<th>Hull Type</th>
<th>High-grade Aluminum Rigid</th>
</tr>
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<tbody>
<tr>
<td>Length</td>
<td>39 ft</td>
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<tr>
<td>Beam</td>
<td>10 ft – 2 in</td>
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<tr>
<td>Draft</td>
<td>2 ft</td>
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<tr>
<td>Crew</td>
<td>5</td>
</tr>
<tr>
<td>Passengers</td>
<td>8</td>
</tr>
<tr>
<td>Twin Diesels w/Water Jets</td>
<td>Yes</td>
</tr>
</tbody>
</table>
| Top Speed: full load | 35 knots - cruise  
                           | 38 knots - sprint                          |
| Range              | 275 nm                                      |
| Fuel Capacity      | 300 gallons                                 |
| C-130 Transportability | No                                      |
| Combat Load        | 22, 800 lbs.                                |
| Bow Door/Ramp      | Yes                                         |
| Weapons Foundations | Multiple                                   |
# Riverine Command Boat (RCB)

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Details</th>
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<tbody>
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<td>Hull Type</td>
<td>High-grade Aluminum Rigid</td>
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<tr>
<td>Length</td>
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<tr>
<td>Beam</td>
<td>12 ft – 5 in</td>
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<td>Draft</td>
<td>3 ft</td>
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<td>Crew</td>
<td>4</td>
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<td>Passengers</td>
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<tr>
<td>Twin Diesels w/ Water Jets</td>
<td>Yes</td>
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<tr>
<td>Top Speed: full load</td>
<td>40 knots - cruise</td>
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<td></td>
<td>45 knots - sprint</td>
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<tr>
<td>Range</td>
<td>&gt;320 nm</td>
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<tr>
<td>Fuel Capacity</td>
<td>300 gallons</td>
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<tr>
<td>C-130 Transportability</td>
<td>No</td>
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<tr>
<td>Combat Load</td>
<td>40,000 lbs.</td>
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<tr>
<td>Bow Door/Ramp</td>
<td>Yes</td>
</tr>
<tr>
<td>Weapons Foundations</td>
<td>Multiple</td>
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Naval Special Warfare
Navy Service Common Support Rationale

NAVAL SPECIAL WARFARE (NSW) SQUADRON

SEAL TEAM HQS (4/4)

NSW TASK UNIT 2 PLATOONS (8/35)
NSW TASK UNIT 2 PLATOONS (8/35)
NSW TASK UNIT 2 PLATOONS (11/51)

REPRESENTATIVE ATTACHMENTS
- Combat Support 6/44
- Combat Services Support 1/17
- Combatant Craft Detachment 0/7
- Communications Detachment 0/27
- UAV Detachment 1/7
- Canine Detachment 0/6

30% projected increase in NSW operators for FY10-15

OBJECTIVE PR11

SERVICE COMMON GEAR AVAILABILITY

Night Vision Equipment
- Current Inv: ~47%
- Req: 6500
- Inv: 2900

Operational Stocks
- Current Inv: ~85%
- Req: 5
- Inv: 4.5

Comms/Electronics
- Current Inv: ~25%
- Req: 7200
- Inv: 1760

Small Arm/Weapons Mounts
- Current Inv: ~50%
- Req: 8800
- Inv: 4500

NSW Squadron Cycle (24 MOS)

Professional Development
- Language School
- Breacher
- Sniper
- HRST/DIVE SUP/RSO

Unit Level Training
- Land Warfare
- CQC
- MOUT
- MAROPS

Mobility
- Combat Diving
- Air OPS

Squadron Integration Training
- SWCC, AIR, SEALs
- Full mock-up Combat training.
- Certification Exercises/Evaluations

Deployment
- Global presence

$345M Requested (POM10)
$345M Approved (PR11)
United States Special Operations Command (USSOCOM) has service-like responsibilities to plan, program, budget and execute resources for Special Operations (SO) — peculiar support, services and equipment.

Military Departments have support responsibilities to plan, program, budget and execute resources for service common capabilities for Special Operations Forces (SOF). Principal guidance is provided by:
- Title 10, United States Code, Sections 165, 167.
- DOD Directive 5100.1; Functions of the Department of Defense and Its Major Components.
- Memorandum of Agreement – Department of the Navy and USSOCOM.

N85 is OPNAV’s principal advocate and resource sponsor for the Navy component of USSOCOM - Naval Special Warfare (NSW) Command.
- Other NSW (resource) sponsors on the OPNAV staff include:
  - N88 – Navy helicopter flight hours in support of NSW.
  - N87 – SOF support attributes onboard Navy submarines.
  - N6F – Some service common portable radios and electronics required by NSW (and NECC’s Riverine component).

During each POM and PR cycle, N85 considers requests submitted by Commander, Naval Special Warfare Command for sustained and/or increased service common resourcing support.