CG-9 Full Operational Capability, FY09

Director of Contracting and Procurement
HCA/SES
CG-91

Deputy HCA
GS-15
CG-91D

Chief Contract Operations
GS-15
CG-912

Chief Procurement Policy & Oversight
GS-15
CG-913

Chief Workforce Management Office
GS-15
CG-921

Chief Acquisition Support
GS-15
CG-924

Chief Research Development Test and Evaluation
O-6
CG-926

Chief Acquisition Resource Mgmt
GS-15
CG-928

Program Manager Aviation
Acquisitions
O-6
CG-931

Program Manager Surface Acquisitions
O-6
CG-933

Program Manager Non-Major Acquisitions
O-6
CG-934

Program Manager C4ISR
Acquisitions
O-6
CG-936

Matrix Support

Asst Comdt for Acquisition
O-8
CG-9

Director of Acquisition Services
SES
CG-92

Deputy PEO
SES
CG-93D

CO R&D Center O-6

Program Resident Offices

Technical Authorities
CG-1 Human Resources
CG-4 Engineering and Logistics
CG-6 Command, Control, Communications, Computers & IT

Command Cadre

Office & Programs

Field Unit

Unclassified | USCG Innovation Expo | CG-9 | 31 October 2007 12/7/2007 1
Direct of Acquisition Programs (CG-93) – Acquisition Program Update

**Surface**
- National Security Cutter
- Offshore Patrol Cutter
- Fast Response Cutter
- Coastal Patrol Boat
- Mission Effectiveness Project

**Aviation**
- Response Boat Medium
- Ramping Down: Response Boat Small
- Long Range Interceptor / Short Range Prosecutor
- Close Out: Great Lakes Ice Breaker Replacement
- On the Horizon: Inland River Tender Emergency Sustainment
- Long Range Surveillance HC-130H & HC-130J
- Medium Range Surveillance HC-144A
- Multi-mission Cutter Helicopter HH/MH-65C
- Medium Range Recovery Helicopter HH/MH-60J/T
- Unmanned Air Systems
- MH-68A/HITRON

**C4ISR**
- Deepwater C4ISR
- Rescue 21
- Nationwide Automatic Identification System
- On the Horizon: Command 21

**Logistics**
- Logistics Integrated Management System
Surface Projects

National Security Cutter (NSC): (8)
- Hull #1 BERTHOLF 88% complete
- Hull #2 WAESCHE 32% complete
- Hull #3 on contract (Aug 07)

Offshore Patrol Cutter (OPC): (25)
- Production to begin 2012
- NSC, LCS lessons learned
- ABS Classed

Response Boat – Medium (RB-M): (180)
- Twelve under contract
- First to be delivered March 08

Coastal Patrol Boat (CPB): (73)
- There are currently 8 remaining CPB’s on contract
- Final CPB to be delivered Feb 09

Fast Response Cutter (FRC): (58)
- Competitive FRC-B RFP released June 07
- Parent craft
- ABS Classed
- *Preliminary Characteristics

Mission Effectiveness Project: (CG Yard)
- 1 – 110’ complete, 4 on going, 18 remaining
- 2 – 210’s complete, 2 on going, 10 remaining
- 4 – 270’s availabilities complete,
- Purpose: System Recapitalization

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<tbody>
<tr>
<td>Hull #1 BERTHOLF 88% complete</td>
<td>Production to begin 2012</td>
<td>Twelve under contract</td>
<td>There are currently 8 remaining CPB’s on contract</td>
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<td>Parent craft</td>
<td>2 – 210’s complete, 2 on going, 10 remaining</td>
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<tr>
<td>Hull #3 on contract (Aug 07)</td>
<td>ABS Classed</td>
<td></td>
<td></td>
<td>ABS Classed</td>
<td>4 – 270’s availabilities complete,</td>
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<tr>
<th>Length</th>
<th>Speed</th>
<th>Range</th>
<th>Endurance</th>
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<tr>
<td>NSC</td>
<td>OPC</td>
<td>RB-M</td>
<td>CPB</td>
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<tr>
<td>418 Ft</td>
<td>360 Ft*</td>
<td>44 Ft</td>
<td>87 Ft</td>
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<tr>
<td>28 kts</td>
<td>25 kts*</td>
<td>42 kts</td>
<td>25 kts</td>
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<tr>
<td>12,000 nm</td>
<td>9,000 nm*</td>
<td>250 nm</td>
<td>600 nm</td>
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<tr>
<td>60 Days</td>
<td>45 Days*</td>
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*Preliminary Characteristics
National Security Cutter (NSC)

• Plan: 8 *Legend*-class cutters

• Current Status:
  - Hull 1 – BERTHOLF 88 Percent complete
  - Hull 2 – WAESCHE 32 Percent complete
  - Hull 3 – Production contract awarded to ICGS

Upcoming:
  - Builders trials, machinery trials and acceptance trials
Offshore Patrol Cutter (OPC)

- Plan: 25 OPCs
- Notional Characteristics: length 360 ft; speed 25 kts; range 9,000 nm; endurance 45 days
- Current Status:
  - Requirements analysis and conceptual design phase
MSAM Acquisition Process

1. Concept & Technology Development
   - PORD
2. Capability Development & Demonstration
   - ORD 1.0
3. Production & Deployment
   - ORD 2.0

Trade Space

Cost as an Independent Variable

Design to Cost / Trade Off Analyses

Affordable And Technically Appropriate Capabilities Delivery
Fast Response Cutter (FRC)

- Plan: 58 FRCs (FRC-B first contract 12-34 hulls)
- Notional Characteristics: length 140-160 ft; speed 30 kts; range 4,230 nm; endurance 7 days
- Current Status:
  - Industry proposals due 1Q FY2008
Mission Effectiveness Project (MEP)

- 110’
  - 1 complete
  - 4 ongoing
  - 18 remaining
- 210’
  - 2 complete
  - 2 ongoing
  - 10 remaining
- 270’
  - 4 complete
  - 1 ongoing
  - 21 remaining (of 13 hulls total, each undergoes two availabilities)
Response Boat – Medium (RB-M)

- Plan: 180 RB-M
- Current Status:
  - 12 boats under contract
  - First delivery, March 2008
  - Additional deliveries follow every 1-2 months
Long Range Interceptor & Short Range Prosecutor

• Plan: 33 LRI; 91 SRP

• Current Status:
  – LRI Factory Acceptance Testing complete
  – 8 SRP delivered for the 123’ WPB project
  – SRP 9+ will be acquired through competitive contract
Command, Control, Communications, Computers, Intelligence, Surveillance & Reconnaissance (C4ISR) Projects

Deepwater C4ISR

Nationwide Automatic Identification System

Rescue 21: National Distress and Response System

On the horizon: Command 21
Deepwater C4ISR

• Overview:
  – Legacy Upgrades phases I and II complete on all cutters
  – NSC Information Assurance (IA) testing begun
  – HC-144A mission pallet installation & testing underway
  – C-130J Missionization
  – Command Center prototype installation at Miami and San Juan, Puerto Rico
Rescue 21

• Overview:
  – 39 Coast Guard Sectors to be outfitted with Rescue 21 capability
  – 6 Sectors delivered to date
  – 4 sectors began relying completely on new system in spring 2007
Nationwide Automatic Identification System (NAIS)

- Overview:
  - 165 AIS sites provide receive coverage in 55 designated critical ports and 9 coastal areas
  - Increment 1 completed by end of CY2007
  - Increment 2 provides additional transmit and receive capability
Integrated Logistics Systems (ILS)

• Overview:
  – USCG transitioning from commercial (Contractor Logistics Support) to organic (Government) logistics foundation
  – USCG leads lifecycle logistics functions
  – Logistics Information Management System (LIMS) in development for service-wide application
Aviation Projects Summary

**HH-65C: (95)**
- 95 re-engined HH-65 helicopters delivered. 40% more power
- All air stations flying HH-65C’s
- First AUF delivered to ATC Mobile

**Speed** 175 kts  
**Range** 400 nm  
**Endurance** 4 hrs

**HH-60J: (42)**
- Conversion to upgrade avionics and extend service life
- First Conversion to MH-60T undergoing tests at AR&SC

**Speed** 170 kts  
**Range** 600 nm  
**Endurance** 6 hrs

**Helicopter Interdiction Tactical Squadron Ten (HITRON): (8)**
- MH-68 Stingrays under contract
- Expires Jan 08

**Speed** 170 kts  
**Range** 420 nm  
**Endurance** 4 hrs

**Maritime Patrol Aircraft: (36)**
- Aircraft #1, #2 & #3 at AR&SC
- #4-#8 on contract
- MSP – 3 on contract

**Speed** 236 kts  
**Range** 1,565 nm  
**Endurance** 8.7 hrs

**Long Range Search Aircraft HC-130J: (6)**
- HC-130J aircraft will be missionized in Greenville, NC by Lockheed Martin Aero
- HC-130H initiative: (16)
- APS-137 radar replacement, avionics upgrade. 16 total HC-130H retained for DW
- Remaining aircraft to be retired

**Speed** 330 kts  
**Range** 5,500 nm  
**Endurance** 21 hrs

**Deepwater’s Eagle Eye: (45)**
- VUAV zeroed funding
- Stop work issued
- PEO charted 3 phase study
  - Evaluation of Eagle Eye & Fire Scout
  - Interim alternatives, manned and unmanned
  - Analysis of Phase II alternatives

**Speed** 185 kts  
**Range** 100 nm  
**Endurance** 3 hrs
HC-130J/Long Range Surveillance Aircraft

• $120M Design to Cost, Task Order signed September 2005.
  – 6 aircraft
  – Mission System design based on Medium Range Surveillance HC-144A
  – Belly mount radar, EO/IR, Flight Deck Mission System, Observer Stations

• First aircraft complete: Feb 2008
• Program complete: Sep 2008
HC-144A/Medium Range Surveillance Aircraft

• Replacement for the HU-25 Falcon Maritime Patrol Aircraft
  – Aircraft 1 accepted Dec 2006
  – Aircraft 2 accepted Feb 2007
  – Aircraft 3 accepted Apr 2007
  – Mission Systems Pallet (MSP) 1-3 Acceptance Testing ongoing
  – Aircraft 4 thru 8 under contract as of 21 July 2007
HC-144A/Medium Range Surveillance Aircraft
M/HH-65C/Multi-mission Cutter Helicopter

• Phase I - Complete
  – 95 re-engined HH-65 helicopters delivered

• Phase II - Begun
  – Obsolete component modernization and Aircraft Ship Integrated Secure and Traversing System (ASIST)
  – Airborne Use of Force (AUF)

• Phase III – Begun
  – AFCS, cockpit upgrade and IDS C4ISR capabilities
H-60/Medium Range Recovery Helicopter

- **Service Life Extension Program**
  - Radar/FLIR Replacement
  - Engine Sustainment
  - Avionics Upgrades
- **First conversion to MH-60T undergoing tests at AR&SC**
Unmanned Aircraft Systems (UAS)

- R&D Center is conducting UAS analysis studies
- UAS programs are being re-evaluated to available technology appropriate to USCG missions
- Possible joint UAS effort with other DHS agencies
Thank You

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