Vertical Take-Off and Landing (VTOL) Unmanned Aerial System (VUAS) Flight Demonstration Off the National Security Cutter (NSC)

Mission Need: Expand CG research and operational experience w/ UAS capabilities in a maritime environment.

**Project Objectives:**
- Procure all major Fire Scout system subcomponents except air vehicle.
- Execute flight deck certification, engineering and airspace processes involved in order to operate Vertical Unmanned Aerial System (VUAS) off the National Security Cutter (NSC). Install and test Fire Scout system from an NSC.
- Conduct analysis and report on effectiveness of VUAS to contribute to NSC mission performance.

**Sponsor:** CG-931  
**Stakeholder(s):** CG-926, CG-711, CG-751, CG-932, RNWC

**Key Milestone / Deliverable Schedule:**
- Project Start ........................................ 1 Oct 09 ✓
- Reinitiate Project ................................. 8 Feb 12 ✓
- Select Candidate NSC for Test............... 30 Nov 12 ✓
- GCS System Acceptance Test.................. Jan 14 ✓
- NSC Installation and Test ....................... May 14 ✓
- Final Rpt “Evaluation of Fire Scout for Use on NSC” ........................................ Aug 14 ✓
- Project End ........................................... Sep 14

**Expected Benefit:**
Inform follow-on acquisition/enterprise deployment

**Notes:**
Includes funding from FY10 UAS Earmark.  
Includes funding from FY12 UAS Earmark.