| Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Navy | Date: March 2014 |
|---|---|
| **Appropriation/Budget Activity**<br>1319: *Research, Development, Test & Evaluation, Navy I* BA 7: *Operational Systems Development* | **R-1 Program Element (Number/Name)**<br>PE 0305234N *I (U)SMALL (LEVEL 0) TACTICAL UAS (STUASL0)* |

| COST ($ in Millions) | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO # | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total Program Element | 50.272 | 9.204 | 5.013 | 4.813 | - | 4.813 | 4.992 | 5.123 | 5.174 | 5.287 | Continuing | Continuing |
| 3192: *RQ-21A BLACKJACK* | 50.272 | 9.204 | 5.013 | 4.813 | - | 4.813 | 4.992 | 5.123 | 5.174 | 5.287 | Continuing | Continuing |

# The FY 2015 OCO Request will be submitted at a later date.

**A. Mission Description and Budget Item Justification**

Small Tactical Unmanned Aircraft System (STUAS) is a non-lethal joint tactical Unmanned Aerial Vehicle systems for Department of Defense to provide Persistent Intelligence, Surveillance and Reconnaissance (ISR)/Target Acquisition, which will fill the capability gap in ISR services available to Fleet and Marine forces.

This program is funded under OPERATIONAL SYSTEMS DEVELOPMENT because it includes development efforts to upgrade systems that have been fielded or have received approval for full-rate production and anticipate funding in the current or subsequent fiscal year.

| B. Program Change Summary ($ in Millions) | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total |
|---|---|---|---|---|---|
| Previous President's Budget | 9.734 | 5.013 | 5.114 | - | 5.114 |
| Current President's Budget | 9.204 | 5.013 | 4.813 | - | 4.813 |
| Total Adjustments | -0.530 | - | -0.301 | - | -0.301 |
| • Congressional General Reductions | - | - | | | |
| • Congressional Directed Reductions | - | - | | | |
| • Congressional Rescissions | - | - | | | |
| • Congressional Adds | - | - | | | |
| • Congressional Directed Transfers | - | - | | | |
| • Reprogrammings | - | - | | | |
| • SBIR/STTR Transfer | - | - | | | |
| • Program Adjustments | - | - | -0.119 | - | -0.119 |
| • Rate/Misc Adjustments | - | - | -0.182 | - | -0.182 |
| • Congressional General Reductions Adjustments | -0.530 | - | - | - | - |

**Change Summary Explanation**

Financial: Decrease in FY2013 from PB14 represents sequestration reduction.
Schedule: APN-4 $9.593M marked by the Subcommittee on Defense (SAC-D) Public Law Report (112-196) causing the elimination of APN-4 Low Rate Initial Production (LRIP) contract award and LRIP Delivery.
Technical: N/A

| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy | | | Date: March 2014 |
|---|---|---|---|
| Appropriation/Budget Activity<br>1319 / 7 | R-1 Program Element (Number/Name)<br>PE 0305234N / *(U)SMALL (LEVEL 0) TACTICAL UAS (STUASL0)* | Project (Number/Name)<br>3192 / *RQ-21A BLACKJACK* | |

| COST ($ in Millions) | Prior Years | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO # | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3192: *RQ-21A BLACKJACK* | 50.272 | 9.204 | 5.013 | 4.813 | - | 4.813 | 4.992 | 5.123 | 5.174 | 5.287 | Continuing | Continuing |
| Quantity of RDT&E Articles | 0.000 | - | - | - | - | - | - | - | - | - | | |

# The FY 2015 OCO Request will be submitted at a later date.

**A. Mission Description and Budget Item Justification**

The Small Tactical Unmanned Aircraft System (STUAS) is a combined United States Navy (USN) and United States Marine Corps (USMC) program that provides persistent maritime and land-based tactical Intelligence, Surveillance, and Reconnaissance/Target Acquisition (RSTA) support for tactical level maneuver decisions and unit level force defense/force protection for Naval amphibious assault ships (multi-ship classes) and Navy and Marine land forces. This system will support Naval Missions such as building the Recognized Maritime Picture, Maritime Security Operations, Maritime Interdiction Operations, and provide support for Naval Units operating from sea/shore in Overseas Contingency Operations. This submission is the USNs portion of the program and has been coordinated with the USMC budget submission PE 0305239M (RQ-21A).

A STUAS system (Land-based or Ship-based) consists of five (5) air vehicles, two (2) Ground Control Stations, multi-mission (plug and play) payloads, one (1) launcher, one (1) recovery system and associated support equipment.

The STUAS system will continue to evolve and upgrade capabilities to satisfy capabilities shortfalls, new requirements, and reliability, maintainability and safety issues. Upgraded capabilities may include Navy Command and Control integration, Signals Intelligence and Synthetic Aperture Radar payloads, weapons integration, Heavy Fuel Engine, Laser Designator and Digital Common Data Link. RQ-21A will also continue to expand its shipboard capability across new ship classes.

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2013 | FY 2014 | FY 2015 |
|---|---|---|---|
| ***Title:*** Engineering and Technical Services | 9.204 | 3.513 | 3.613 |
| ***Articles:*** | - | - | - |
| ***Description:*** Provides for the Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support, Program related travel in support of the upgrade/payload efforts. | | | |
| ***FY 2013 Accomplishments:***<br>Provided Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support and program related travel. Completed all required documentation leading to a Milestone C decision, which was approved on May 16, 2013. Started Initial Operational Test and Evaluation (IOT&E) efforts. | | | |
| ***FY 2014 Plans:*** | | | |

| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy | | Date: March 2014 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0305234N / *(U)SMALL (LEVEL 0) TACTICAL UAS (STUASL0)* | **Project (Number/Name)**<br>3192 / *RQ-21A BLACKJACK* |

| B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each) | FY 2013 | FY 2014 | FY 2015 |
|---|---|---|---|
| Provide for the Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support, Program related travel in support of the upgrade/payload efforts.<br>***FY 2015 Plans:***<br>Will provide support for Government Engineering Technical Support, Logistics Support, Test and Evaluation, other Government Support, Contractor Support Services, Program Management Support, and program related travel in support of upgrade/payload efforts. Small Tactical Unmanned Aircraft System will begin Class Ship integration and testing. Integration of mature payloads will be performed. | | | |
| ***Title:*** Upgrade/Payload Integration | - | 1.500 | 1.200 |
| ***Articles:*** | - | - | - |
| ***Description:*** Provide Upgrade/Payload Integration<br>***FY 2013 Accomplishments:***<br>N/A<br>***FY 2014 Plans:***<br>Prime System Contractor will be responsible for upgrade/payload integration as well as systems engineering, integrated logistics support and associated management activities.<br>***FY 2015 Plans:***<br>Small Tactical Unmanned Aircraft System will begin integration efforts on board Landing Helicopter Dock class ships. Integration of mature payloads will be performed. Prime System Contractor will be responsible for all system upgrades as well as systems engineering, integrated logistics support and associated management activities. Due to the modularity of the system, payload integration efforts will be the responsibility of the contracted party, which may include the Prime Contractor, Government Labs, or the payload manufacturer. | | | |
| **Accomplishments/Planned Programs Subtotals** | 9.204 | 5.013 | 4.813 |

**C. Other Program Funding Summary ($ in Millions)**

| Line Item | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • APN-4/0444: *RQ-21A UAV (Blackjack)* | - | - | - | - | - | - | 25.936 | 45.224 | 73.446 | Continuing | Continuing |
| • APN-6/0605: *STUASL0* | - | - | - | - | - | - | 5.100 | 5.100 | - | Continuing | Continuing |

| Exhibit R-2A, RDT&E Project Justification: PB 2015 Navy | | Date: March 2014 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0305234N / *(U)SMALL (LEVEL 0) TACTICAL UAS (STUASL0)* | **Project (Number/Name)**<br>3192 / *RQ-21A BLACKJACK* |

**C. Other Program Funding Summary ($ in Millions)**

| Line Item | FY 2013 | FY 2014 | FY 2015 Base | FY 2015 OCO | FY 2015 Total | FY 2016 | FY 2017 | FY 2018 | FY 2019 | Cost To Complete | Total Cost |
|---|---|---|---|---|---|---|---|---|---|---|---|
| • RDTEN,/0305239M: *STUAS/RQ-21A* | 22.924 | 11.122 | 8.192 | - | 8.192 | 8.376 | 8.580 | 8.734 | 8.928 | Continuing | Continuing |
| • RDTEN,/0305242M: *STUAS/ RQ-21A UAS Payloads* | - | - | 2.000 | - | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 | Continuing | Continuing |
| • PMC-473700: *STUAS/RQ-21A* | 13.982 | 66.612 | 70.565 | - | 70.565 | 73.174 | 74.273 | 75.460 | 77.008 | Continuing | Continuing |
| • PMC/7000: *STUAS/RQ-21A Spares and Repair Parts* | - | 5.000 | 5.093 | - | 5.093 | 5.198 | 5.312 | 5.406 | 5.517 | Continuing | Continuing |

**Remarks**

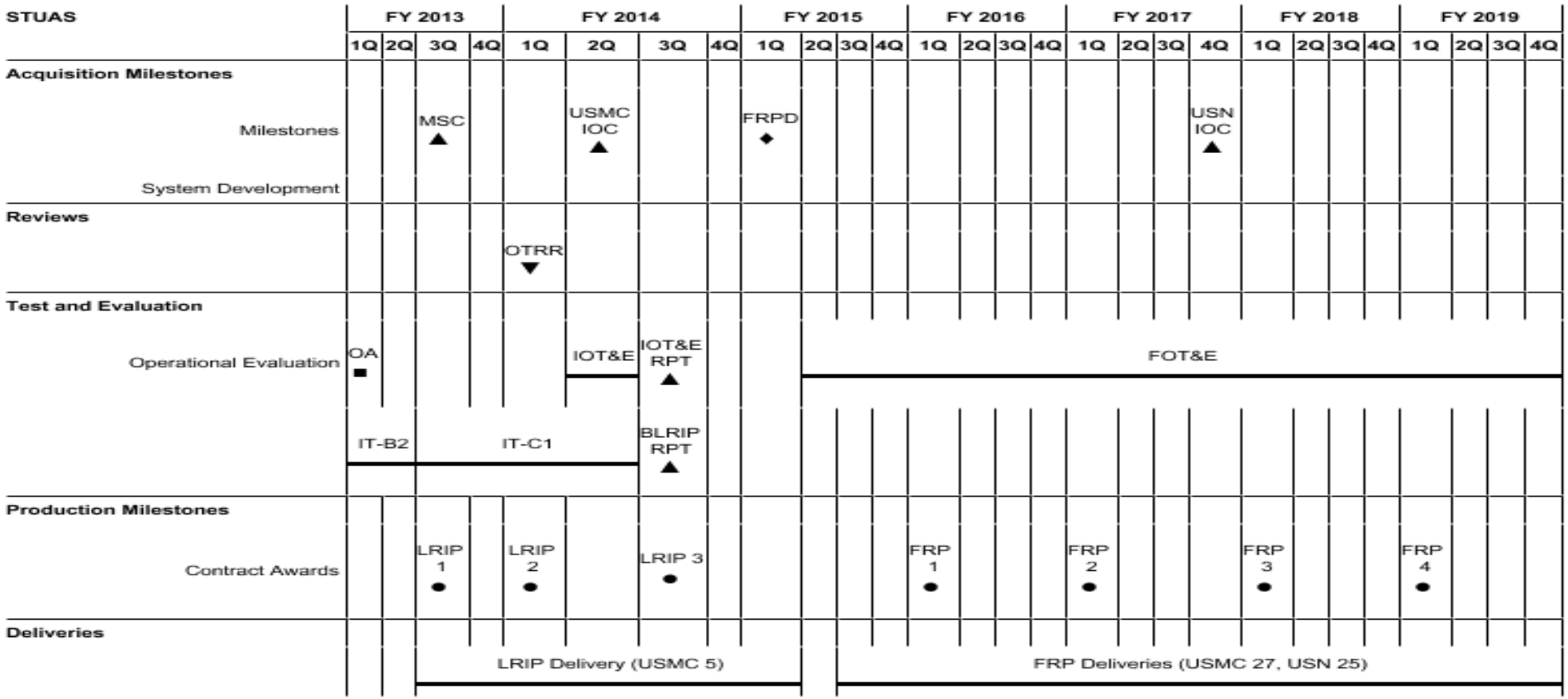
**D. Acquisition Strategy**

The program office has utilized a competitive acquisition approach for award of the Engineering and Manufacturing Development effort to field a capability that meets threshold requirements. Low Rate Initial Production test article will be utilized to successfully complete Initial Operational Test and Evaluation and achieve Initial Operational Capability (IOC) leading to a Full-Rate Production Decision Review. The program office will use Sole Source acquisition approach for the remaining Research Development Test and Evaluation efforts except for the payloads. The payloads shall be competitively awarded or procured via Government Labs with Insitu, Inc. conducting integration efforts as required.

**E. Performance Metrics**

Attainment of Small Tactical Unmanned Aircraft System IOC in accordance with approved schedule.

| Exhibit R-4, RDT&E Schedule Profile: PB 2015 Navy | | Date: March 2014 |
|---|---|---|
| **Appropriation/Budget Activity**<br>1319 / 7 | **R-1 Program Element (Number/Name)**<br>PE 0305234N / *(U)SMALL (LEVEL 0) TACTICAL UAS (STUASL0)* | **Project (Number/Name)**<br>3192 / *RQ-21A BLACKJACK* |

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