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| <b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2014 Navy | <b>DATE:</b> April 2013 |
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| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |
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| COST (\$ in Millions)           | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup> | FY 2014 Total | FY 2015 | FY 2016 | FY 2017 | FY 2018 | Cost To Complete | Total Cost |
|---------------------------------|-----------------|---------|----------------------|--------------|---------------------------|---------------|---------|---------|---------|---------|------------------|------------|
| Total Program Element           | 732.346         | 41.473  | 33.978               | 40.558       | -                         | 40.558        | 46.130  | 10.489  | 6.710   | 6.785   | Continuing       | Continuing |
| 1109: <i>CH/MH-53</i>           | 41.477          | 3.247   | 2.455                | 2.668        | -                         | 2.668         | 2.685   | 2.714   | 2.789   | 2.819   | Continuing       | Continuing |
| 2415: <i>H-60 Development</i>   | 664.860         | 29.502  | 29.743               | 33.773       | -                         | 33.773        | 25.158  | 0.000   | 0.000   | 0.000   | 0.000            | 783.036    |
| 2460: <i>VH-3/VH-60</i>         | 26.009          | 1.724   | 1.780                | 2.230        | -                         | 2.230         | 11.719  | 1.742   | 1.779   | 1.799   | Continuing       | Continuing |
| 3355: <i>MH-XX Development</i>  | 0.000           | 0.000   | 0.000                | 1.887        | -                         | 1.887         | 6.568   | 6.033   | 2.142   | 2.167   | Continuing       | Continuing |
| 9999: <i>Congressional Adds</i> | 0.000           | 7.000   | 0.000                | 0.000        | -                         | 0.000         | 0.000   | 0.000   | 0.000   | 0.000   | 0.000            | 7.000      |

**MDAP/MAIS Code(s):** 282

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

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

This Program Element includes funding for the development support for improvements to current systems for CH/MH-53, MH-60 development, VH-3/VH-60, and MH-XX. The H-53 is the premier heavy lift helicopter for the Marine Corps and only operational airborne mine sweeping platform for the Navy. H-53 RDT&E efforts focus on trade studies and risk reduction measures to identify candidate survivability, safety, avionics, cargo handling, cockpit and other airframe specific improvements to extend the service life. The MH-60S Helicopter has three primary mission areas; Combat Support, Organic Airborne Mine Countermeasures and Armed Helo. The VH-3/VH-60 is required to provide safe and timely transportation for the President and Vice President of the United States, heads of state and others as directed by the White House Military Office. The MH-XX Development will provide the Navy's next generation of Anti-Submarine Warfare, Surface Warfare, and Logistics support Helicopters.

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                           |         | DATE: April 2013 |             |               |
| APPROPRIATION/BUDGET ACTIVITY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | R-1 ITEM NOMENCLATURE                     |         |                  |             |               |
| 1319: Research, Development, Test & Evaluation, Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | PE 0604212N: Other Helicopter Development |         |                  |             |               |
| BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                           |         |                  |             |               |
| B. Program Change Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | FY 2012                                   | FY 2013 | FY 2014 Base     | FY 2014 OCO | FY 2014 Total |
| Previous President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 42.651                                    | 33.978  | 26.381           | -           | 26.381        |
| Current President's Budget                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | 41.473                                    | 33.978  | 40.558           | -           | 40.558        |
| Total Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | -1.178                                    | 0.000   | 14.177           | -           | 14.177        |
| • Congressional General Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | -                                         | -       |                  |             |               |
| • Congressional Directed Reductions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  | -                                         | -       |                  |             |               |
| • Congressional Rescissions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | -                                         | -       |                  |             |               |
| • Congressional Adds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | -                                         | -       |                  |             |               |
| • Congressional Directed Transfers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | -                                         | -       |                  |             |               |
| • Reprogrammings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | -0.245                                    | 0.000   |                  |             |               |
| • SBIR/STTR Transfer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | -0.933                                    | 0.000   |                  |             |               |
| • Program Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  | 0.000                                     | 0.000   | 14.028           | -           | 14.028        |
| • Rate/Misc Adjustments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | 0.000                                     | 0.000   | 0.149            | -           | 0.149         |
| Congressional Add Details (\$ in Millions, and Includes General Reductions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                           |         |                  |             |               |
| Project: 9999: Congressional Adds                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                           |         |                  |             |               |
| Congressional Add: VH-3/VH-60 (Cong)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                           |         |                  |             |               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |                                           |         |                  |             |               |
| Congressional Add Subtotals for Project: 9999                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                           |         |                  |             |               |
| Congressional Add Totals for all Projects                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                           |         |                  |             |               |
| Change Summary Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                           |         |                  |             |               |
| Technical: Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                           |         |                  |             |               |
| Schedule:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                           |         |                  |             |               |
| 1109 CH/MH-53: Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                           |         |                  |             |               |
| 2415 Airborne Mine Countermeasures (AMCM): The AQS-20A sonar mine detection system and Organic Airborne Surface Influence Sweep systems were removed from the MH-60S AMCM mission set. Initial Operational Test and Evaluation (IOT&E) periods with the Airborne Laser Mine Detection System and Airborne Mine Neutralization System were replaced with Operational Assessments leading to Littoral Combat Ship (LCS) Mine Countermeasures (MCM) Mission Package (MP) IOT&E. The MH-60S AMCM Initial Operational Capability milestone has been moved to follow LCS MCM MP IOT&E. |  |                                           |         |                  |             |               |
| 2415 Forward Firing Weapon: Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                           |         |                  |             |               |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Navy                                                                                                                                                                                 |  | DATE: April 2013                                                                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i>                                                                       |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |
| 2460 VH-3/VH-60: The schedule has been updated to reflect the evaluation of a wideband Line Of Site system for integration, prototype and test for integration into the VH Communications Suite.<br>3355 MH-XX Development: Not Applicable |  |                                                                                  |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |         |                      |              |                                                                    |               |         |         |                           | DATE: April 2013 |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |               |         |         | PROJECT<br>1109: CH/MH-53 |                  |                  |            |
| COST (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                          | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                   | FY 2018          | Cost To Complete | Total Cost |
| 1109: CH/MH-53                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 41.477          | 3.247   | 2.455                | 2.668        | -                                                                  | 2.668         | 2.685   | 2.714   | 2.789                     | 2.819            | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 0               | 0       | 0                    | 0            |                                                                    | 0             | 0       | 0       | 0                         | 0                |                  |            |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
| ## The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
| The H-53 helicopter is the premier heavy lift helicopter for the Marine Corps and the only operational airborne mine sweeping platform for the Navy. Through FY2018, H-53 efforts will continue to develop and qualify components, prior to production and approval decisions, in order to replace obsolete system components. Emphasis will be placed on supportability improvement modifications that will sustain the H-53 aircraft until the transition of the H-53K is complete. These efforts combined, will significantly improve the readiness of the H-53 fleet while reducing long term operational and supportability costs. Modeling and simulation will be used to the maximum practical extent throughout this effort. Manned Flight Simulator will be utilized to develop, install and test interim modifications to existing H-53 legacy avionics, while maintaining the original basic system footprint and functionality. As a part of this effort, a complete Electro Magnetic Vulnerability assessment will be required for the affected and/or modified systems.                                                                                                                                                                                           |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                                    |               |         |         |                           | FY 2012          | FY 2013          | FY 2014    |
| Title: H-53 Avionics<br><br>Articles:<br><br>FY 2012 Accomplishments:<br>Integrate software applique for cockpit and avionics improvements, to include the development of new sensors. Develop flight control computer and test set design modifications to address anticipated obsolesence issues. Conduct Business Case Analyses to determine impact of high Operation and Support cost drivers and address alternatives to mitigate identified issues.<br><br>FY 2013 Plans:<br>Integrate software applique for cockpit and avionics improvements, to include the development of new sensors. Develop flight control computer and test set design modifications to address anticipated obsolescence issues. Conduct Business Case Analyses to determine impact of high Operation and Support cost drivers and address alternatives to mitigate identified issues.<br><br>FY 2014 Plans:<br>Integrate software applique for cockpit and avionics improvements, to include the development of new sensors. Develop flight control computer and test set design modifications to address anticipated obsolescence issues. Conduct Business Case Analyses to determine impact of high Operation and Support cost drivers and address alternatives to mitigate identified issues. |                 |         |                      |              |                                                                    |               |         |         |                           | 0.544            | 0.544            | 0.544      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                    |               |         |         |                           | 0                | 0                | 0          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                    |               |         |         |                           |                  |                  |            |
| Title: H-53 Survivability                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                 |         |                      |              |                                                                    |               |         |         |                           | 0.406            | 0.405            | 0.405      |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | DATE: April 2013                                                   |            |                           |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |            | PROJECT<br>1109: CH/MH-53 |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  | FY 2012                                                            | FY 2013    | FY 2014                   |
| <div>Articles:</div> <div>FY 2012 Accomplishments:<br/>Perform trade studies, risk reduction, design, development, model, integration and test activities for H-53 survivability systems to include effectiveness of the ballistic vulnerability (armor) package.</div> <div>FY 2013 Plans:<br/>Perform trade studies, risk reduction, design, development, model, integration and test activities for H-53 survivability systems to include effectiveness of the ballistic vulnerability (armor) package.</div> <div>FY 2014 Plans:<br/>Perform trade studies, risk reduction, design, development, model, integration and test activities for H-53 survivability systems to include effectiveness of the ballistic vulnerability (armor) package.</div>                                                                                                                                                                                                                                                                                                                                                                                      |  | 0                                                                  | 0          | 0                         |
| <div>Title: H-53 Propulsion</div> <div>Articles:</div> <div>FY 2012 Accomplishments:<br/>Perform trade studies, risk reduction, design, development, integration and test activities for H-53 T64 engine and related systems.</div> <div>FY 2013 Plans:<br/>Provide in-house, field activity, and contractor support of Integrated Product Teams (IPTs) to allow for studies and analyses, preparation of acquisition documentation and examination of equipment and avionics for the H-53. Efforts include, but are not limited to, government development support, engineering support, product management support, system engineering and logistics support, and travel for the H-53 program.</div> <div>FY 2014 Plans:<br/>Provide in-house, field activity, and contractor support of IPTs to allow for studies and analyses, preparation of acquisition documentation and examination of equipment and avionics for the H-53. Efforts include, but are not limited to, government development support, engineering support, product management support, system engineering and logistics support, and travel for the H-53 program.</div> |  | 1.241<br>0                                                         | 0.451<br>0 | 0.670<br>0                |
| <div>Title: Project Management Support</div> <div>Articles:</div> <div>FY 2012 Accomplishments:<br/>Provide in-house, field activity, and contractor support of Integrate Product Teams (IPTs)to allow for studies and analyses, preparation of acquisition documentation and examination of equipment and avionics for the H-53. Efforts include, but are not</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  | 0.732<br>0                                                         | 0.731<br>0 | 0.725<br>0                |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |                 |                |                                                                    |         |         |                           |         | DATE: April 2013    |            |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |                 |                | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |         |         | PROJECT<br>1109: CH/MH-53 |         |                     |            |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         |                 |                |                                                                    |         |         |                           |         | FY 2012             | FY 2013    | FY 2014    |
| limited to, government development support, engineering support, product management support, system engineering and logistics support, and travel for the H-53 program.<br><b>FY 2013 Plans:</b><br>Provide in-house, field activity, and contractor support of IPTs to allow for studies and analyses, preparation of acquisition documentation and examination of equipment and avionics for the H-53. Efforts include, but are not limited to, government development support, engineering support, product management support, system engineering and logistics support, and travel for the H-53 program.<br><b>FY 2014 Plans:</b><br>Provide in-house, field activity, and contractor support of IPTs to allow for studies and analyses, preparation of acquisition documentation and examination of equipment and avionics for the H-53. Efforts include, but are not limited to, government development support, engineering support, product management support, system engineering and logistics support, and travel for the H-53 program. |         |         |                 |                |                                                                    |         |         |                           |         |                     |            |            |
| Title: H-53 Airframe<br><br><b>Articles:</b><br><br><b>FY 2012 Accomplishments:</b><br>Perform trade studies, risk reduction, design, development, integration and test activities for the H-53 airframe to include, but not limited to, main rotorhead, cowlings, aircraft structure, drive train, and various dynamic components.<br><b>FY 2013 Plans:</b><br>Perform trade studies, risk reduction, design, development, integration and test activities for the H-53 airframe to include, but not limited to, main rotor head, cowlings, aircraft structure, drive train, and various dynamic components.<br><b>FY 2014 Plans:</b><br>Perform trade studies, risk reduction, design, development, integration and test activities for the H-53 airframe to include, but not limited to, main rotor head, cowlings, aircraft structure, drive train, and various dynamic components.                                                                                                                                                             |         |         |                 |                |                                                                    |         |         |                           |         | 0.324<br>0          | 0.324<br>0 | 0.324<br>0 |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |         |                 |                |                                                                    |         |         |                           |         | 3.247               | 2.455      | 2.668      |
| C. Other Program Funding Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         |         |                 |                |                                                                    |         |         |                           |         |                     |            |            |
| Line Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FY 2012 | FY 2013 | FY 2014<br>Base | FY 2014<br>OCO | FY 2014<br>Total                                                   | FY 2015 | FY 2016 | FY 2017                   | FY 2018 | Cost To<br>Complete | Total Cost |            |
| • APN/0528: H-53 Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 117.374 | 61.437  | 67.675          |                | 67.675                                                             | 48.586  | 36.666  | 33.639                    | 30.953  | 230.346             | 1,886.391  |            |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |                 |                |                                                                    |         |         |                           |         |                     |            |            |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                           |                                                                                  | <b>DATE:</b> April 2013                 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i>                                                                                                                         | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> | <b>PROJECT</b><br>1109: <i>CH/MH-53</i> |
| <b>D. Acquisition Strategy</b><br>This is a non-ACAT program. H-53 RDT&E efforts will focus on trade studies and risk reduction measures to identify candidate survivability, safety, avionics, cargo handling, cockpit and other airframe specific improvements to extend the service life. |                                                                                  |                                         |
| <b>E. Performance Metrics</b><br>Successfully perform studies, analysis and develop software to address emergent H-53 issues. Successfully support developmental and operation test activities to qualify aircraft modifications/upgrades.                                                   |                                                                                  |                                         |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                                  |                        |                                |                 |         |            |                                                                    |            |              |            |                           |            | DATE: April 2013 |                  |            |                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD) |                        |                                |                 |         |            | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |            |              |            | PROJECT<br>1109: CH/MH-53 |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                                                                                                    |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO               |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                      | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Primary Hardware Development                                                                                                            | Various                | Various:Various                | 2.493           | 0.420   | Mar 2012   | 0.000                                                              |            | 0.000        |            | -                         |            | 0.000            | Continuing       | Continuing | Continuing               |
| Ancillary Hardware Development                                                                                                          | Various                | Various:Various                | 1.794           | 0.224   | Mar 2012   | 0.000                                                              |            | 0.000        |            | -                         |            | 0.000            | Continuing       | Continuing | Continuing               |
| Systems Engineering                                                                                                                     | WR                     | NAWC AD:Patuxent River, MD     | 2.384           | 0.524   | Nov 2011   | 0.544                                                              | Nov 2012   | 0.544        | Nov 2013   | -                         |            | 0.544            | Continuing       | Continuing | Continuing               |
| Prior Year Prod Dev no longer funded in the FYDP                                                                                        | Various                | Various:Various                | 14.544          | 0.000   |            | 0.000                                                              |            | 0.000        |            | -                         |            | 0.000            | 0.000            | 14.544     |                          |
| Subtotal                                                                                                                                |                        |                                | 21.215          | 1.168   |            | 0.544                                                              |            | 0.544        |            | 0.000                     |            | 0.544            |                  |            |                          |
| Support (\$ in Millions)                                                                                                                |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO               |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                      | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Software Development                                                                                                                    | Various                | Various:Various                | 2.071           | 0.326   | Mar 2012   | 0.379                                                              | Mar 2013   | 0.396        | Mar 2014   | -                         |            | 0.396            | Continuing       | Continuing | Continuing               |
| GFE                                                                                                                                     | Various                | NAWC AD:Patuxent River, MD     | 1.741           | 0.421   | Nov 2011   | 0.421                                                              | Nov 2012   | 0.640        | Nov 2013   | -                         |            | 0.640            | Continuing       | Continuing | Continuing               |
| Subtotal                                                                                                                                |                        |                                | 3.812           | 0.747   |            | 0.800                                                              |            | 1.036        |            | 0.000                     |            | 1.036            |                  |            |                          |
| Test and Evaluation (\$ in Millions)                                                                                                    |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO               |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                      | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Developmental Test & Evaluation                                                                                                         | Various                | Various:Various                | 5.143           | 0.870   | Mar 2012   | 0.700                                                              | Mar 2013   | 0.700        | Mar 2014   | -                         |            | 0.700            | Continuing       | Continuing | Continuing               |
| Subtotal                                                                                                                                |                        |                                | 5.143           | 0.870   |            | 0.700                                                              |            | 0.700        |            | 0.000                     |            | 0.700            |                  |            |                          |
|                                                                                                                                         |                        |                                |                 |         |            |                                                                    |            |              |            |                           |            |                  |                  |            |                          |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------------------------------------------|--|--|--|-----------------------------------------|--|-------------------------|--|--|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy                                                                                                    |  |  |  |  |  |  |                                                                                  |  |  |  |                                         |  | <b>DATE:</b> April 2013 |  |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |  |  |  |  |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |  |  |  | <b>PROJECT</b><br>1109: <i>CH/MH-53</i> |  |                         |  |  |

  

| <b>Management Services (\$ in Millions)</b>  |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
|----------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|----------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Cost Category Item</b>                    | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Government Engineering Support               | WR                                | NAWC AD:Patuxent River, MD                | 5.077                  | 0.307          | Nov 2011          | 0.286          | Nov 2012          | 0.286               | Nov 2013          | -                  |                   | 0.286                | Continuing              | Continuing        | Continuing                      |
| Travel                                       | Various                           | Various:Various                           | 1.556                  | 0.155          | Oct 2011          | 0.125          | Oct 2012          | 0.102               | Oct 2013          | -                  |                   | 0.102                | Continuing              | Continuing        | Continuing                      |
| Prior Year Mgmt no longer funded in the FYDP | Various                           | Various:Various                           | 4.674                  | 0.000          |                   | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 0.000                   | 4.674             |                                 |
| <b>Subtotal</b>                              |                                   |                                           | 11.307                 | 0.462          |                   | 0.411          |                   | 0.388               |                   | 0.000              |                   | 0.388                |                         |                   |                                 |

  

|                            | <b>All Prior Years</b> | <b>FY 2012</b> |  | <b>FY 2013</b> |  | <b>FY 2014 Base</b> |  | <b>FY 2014 OCO</b> |  | <b>FY 2014 Total</b> | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
|----------------------------|------------------------|----------------|--|----------------|--|---------------------|--|--------------------|--|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Project Cost Totals</b> | 41.477                 | 3.247          |  | 2.455          |  | 2.668               |  | 0.000              |  | 2.668                |                         |                   |                                 |

  

**Remarks**

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|--------------------------------------------------------------------------------------------------------|-----------------------------|----|----|----|---------|----|----|----|---------|----|----|-------------------------------------------|---------|----|----|------------------|---------|----|----|----------------|---------|----|----|----|---------|----|----|----|
| Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy                                                      |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    | DATE: April 2013 |         |    |    |                |         |    |    |    |         |    |    |    |
| APPROPRIATION/BUDGET ACTIVITY                                                                          |                             |    |    |    |         |    |    |    |         |    |    | R-1 ITEM NOMENCLATURE                     |         |    |    |                  |         |    |    | PROJECT        |         |    |    |    |         |    |    |    |
| 1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD) |                             |    |    |    |         |    |    |    |         |    |    | PE 0604212N: Other Helicopter Development |         |    |    |                  |         |    |    | 1109: CH/MH-53 |         |    |    |    |         |    |    |    |
| CH/MH-53                                                                                               | FY 2012                     |    |    |    | FY 2013 |    |    |    | FY 2014 |    |    |                                           | FY 2015 |    |    |                  | FY 2016 |    |    |                | FY 2017 |    |    |    | FY 2018 |    |    |    |
|                                                                                                        | 1Q                          | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q                                        | 1Q      | 2Q | 3Q | 4Q               | 1Q      | 2Q | 3Q | 4Q             | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q |
| Acquisition Milestones                                                                                 |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
| Engineering Milestones                                                                                 |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        | Obsolescence Issues/Studies |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        | Survivability Analysis      |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        | Legacy P3I Efforts          |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        | Safety Upgrades             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
| Test & Evaluation                                                                                      |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
| Production Milestones                                                                                  |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
| Deliveries                                                                                             |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
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|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |
|                                                                                                        |                             |    |    |    |         |    |    |    |         |    |    |                                           |         |    |    |                  |         |    |    |                |         |    |    |    |         |    |    |    |

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| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy                                                                                                        |                                                                                  |                                         | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> | <b>PROJECT</b><br>1109: <i>CH/MH-53</i> |                         |

Schedule Details

| Events by Sub Project                                 | Start   |      | End     |      |
|-------------------------------------------------------|---------|------|---------|------|
|                                                       | Quarter | Year | Quarter | Year |
| <b>CH/MH-53</b>                                       |         |      |         |      |
| Engineering Milestones: - Obsolescence Issues/Studies | 1       | 2012 | 4       | 2018 |
| Engineering Milestones: - Survivability Analysis      | 1       | 2012 | 4       | 2018 |
| Engineering Milestones: - Legacy P3I Efforts          | 1       | 2012 | 4       | 2018 |
| Engineering Milestones: - Safety Upgrades             | 1       | 2012 | 4       | 2018 |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                                    |               |         |         | DATE: April 2013                  |         |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |               |         |         | PROJECT<br>2415: H-60 Development |         |                  |            |
| COST (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                          | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                           | FY 2018 | Cost To Complete | Total Cost |
| 2415: H-60 Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 664.860         | 29.502  | 29.743               | 33.773       | -                                                                  | 33.773        | 25.158  | 0.000   | 0.000                             | 0.000   | 0.000            | 783.036    |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0               | 0       | 0                    | 0            |                                                                    | 0             | 0       | 0       | 0                                 | 0       |                  |            |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |
| ## The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |
| The Helicopter Combat Support mission is to maintain forward deployed fleet sustainability through rapid airborne delivery of materials and personnel and to support amphibious operations through search and rescue coverage. The primary roles of the aircraft are to conduct vertical replenishment, day/night ship-to-ship, ship-to-shore, and shore-to-ship external transfer of cargo; internal transport of passengers, mail and cargo, vertical on board delivery; airhead operations, and day/night search and rescue. Armed Helo and Airborne Mine Countermeasures (AMCM) were added as primary mission areas for the MH-60S, being completed as block upgrades to the platform. The MH-60S Operational Requirements Document (ORD) was modified in May 2000 to add AMCM as a primary mission for the MH-60S. ORD Change II was validated and approved by the Joint Requirements Oversight Council on 15 February 2008 updating key performance parameters. AMCM provides an organic capability for the Littoral Combat Ship Mine Countermeasures Mission Package. Armed Helo provides Combat Search and Rescue, Surface Warfare and Maritime Interdiction Operations capability with Link 16 and Forward Firing Weapons (FFW) which includes rockets and anti-swarm weapons to address the Fast Attack Craft/Fast Inshore Attack Craft Threat. Aircraft secondary roles include torpedo and drone recovery, noncombatant evacuation operations, and SEAL team and Explosive Ordnance Disposal support. |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |         |                      |              |                                                                    |               |         |         | FY 2012                           | FY 2013 | FY 2014          |            |
| Title: MH-60S Airframe Development and Integration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                                    |               |         |         | 5.706                             | 5.500   | 7.500            |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              |                                                                    |               |         |         | 0                                 | 0       | 0                |            |
| Description: The effort includes design, development, integration, correction of deficiencies and support of the AMCM unique items into the MH-60S airframe. Test and Evaluation on AMCM Mission Kits for the sensor/weapon systems as integrated on the MH-60S. AMCM training development to include situational analysis and Instructional System Development documentation. Conduct trade studies and analysis, develop and qualify components in order to replace obsolete system components on the MH-60S. Analyze, design, integrate, test, and support FFW/Rockets.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |
| FY 2012 Accomplishments:<br>Continue AMCM sensor/weapon system integration and testing. Initiate AMCM Spiral Upgrade efforts. Continue FFW 20mm Gun System testing and reporting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |
| FY 2013 Plans:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                 |         |                      |              |                                                                    |               |         |         |                                   |         |                  |            |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                    | DATE: April 2013                  |             |             |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development | PROJECT<br>2415: H-60 Development |             |             |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                    | FY 2012                           | FY 2013     | FY 2014     |
| Continue AMCM sensor/weapon system testing. Continue AMCM Spiral Upgrade efforts. Analyze, design, integrate, and support follow-on FFW/Rockets capability to include training development. Complete FFW 20mm Gun System testing and reporting.<br><b>FY 2014 Plans:</b><br>Complete Airborne Mine Countermeasures (AMCM) sensor/weapon system testing. Continue AMCM Spiral Upgrade efforts. Analyze, design, integrate, and support follow-on Forward Firing Weapons (FFW)/Rockets capability to include training development of complete FFW capability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                    |                                   |             |             |
| <b>Title:</b> MH-60S Avionics Development and Integration<br><br><b>Articles:</b><br><br><b>Description:</b> Developmental efforts on the avionics architecture and systems of the MH-60S helicopter. Development of the operator consoles, as well as software modifications/improvements, to support AMCM systems. AMCM training development to include situational analysis, and Instructional System Development documentation for various sensors. Link 16 software development/upgrades and test for AMCM messages. Software development/improvements to support FFW/Rockets integration.<br><br><b>FY 2012 Accomplishments:</b><br>Continue AMCM Block 2B sensor/weapon system testing. Support AMCM Spiral Upgrade efforts.<br><br><b>FY 2013 Plans:</b><br>Continue AMCM test efforts/AMCM Spiral Upgrades; Support FFW/Rockets integration.<br><br><b>FY 2014 Plans:</b><br>Complete AMCM test efforts/AMCM Spiral Upgrades; Support FFW/Rockets integration. The increase in FY14 is associated with the efforts required to support the FFW/Rockets integration which include avionics hardware and associated software improvements to enhance FFW/Rockets effectiveness. |                                                                    | 5.778<br>0                        | 9.000<br>0  | 13.050<br>0 |
| <b>Title:</b> MH-60S Test, Engineering, Logistics, Management Support<br><br><b>Articles:</b><br><br><b>Description:</b> Navy field activity systems engineering, logistics support, management and travel for the AMCM MH-60S Weapons System Integration Team for airframe and avionics, and FFW integration. Support/conduct MH-60S aircraft integration testing for AMCM sensor/weapon systems and FFW.<br><br><b>FY 2012 Accomplishments:</b><br>Continue support of test and integration of AMCM 2B sensor/weapon system and complete FFW 20mm Gun integration.<br><br><b>FY 2013 Plans:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                    | 18.018<br>0                       | 15.243<br>0 | 13.223<br>0 |

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| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                   |                |                |                         |                                                                                  |                          |                |                | <b>DATE:</b> April 2013                         |                |                             |                   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i>                                                                                                                                                                                                                                                                                 |                |                |                         | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |                          |                |                | <b>PROJECT</b><br>2415: <i>H-60 Development</i> |                |                             |                   |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                              |                |                |                         |                                                                                  |                          |                |                | <b>FY 2012</b>                                  | <b>FY 2013</b> | <b>FY 2014</b>              |                   |
| Continue AMCM test and integration of AMCM 2B sensor/weapon system, support AMCM Spiral Upgrades, follow-on FFW/rockets integration testing and complete 20mm Gun reporting.                                                                                                                                                                                                                                                                         |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| <b>FY 2014 Plans:</b><br>Support Airborne Mine Countermeasures (AMCM) test and integration of AMCM 2B sensor/weapon system, support AMCM Spiral Upgrades, follow-on Forward Firing Weapons (FFW) Rockets Integration/testing.                                                                                                                                                                                                                        |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| <b>Accomplishments/Planned Programs Subtotals</b>                                                                                                                                                                                                                                                                                                                                                                                                    |                |                |                         |                                                                                  |                          |                |                | 29.502                                          | 29.743         | 33.773                      |                   |
| <b>C. Other Program Funding Summary (\$ in Millions)</b>                                                                                                                                                                                                                                                                                                                                                                                             |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| <b>Line Item</b>                                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>FY 2012</b> | <b>FY 2013</b> | <b>FY 2014<br/>Base</b> | <b>FY 2014<br/>OCO</b>                                                           | <b>FY 2014<br/>Total</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b>                                  | <b>FY 2018</b> | <b>Cost To<br/>Complete</b> | <b>Total Cost</b> |
| • APN1/017900: <i>MH-60S</i>                                                                                                                                                                                                                                                                                                                                                                                                                         | 462.900        | 454.069        | 421.109                 |                                                                                  | 421.109                  | 246.072        | 28.586         | 0.000                                           | 0.000          | 0.000                       | 6,920.589         |
| • APN6/060510: <i>MH-60S SPARES</i>                                                                                                                                                                                                                                                                                                                                                                                                                  | 8.625          | 2.824          | 0.454                   |                                                                                  | 0.454                    | 0.340          | 0.000          | 0.000                                           | 0.000          | 0.000                       | 176.165           |
| • APN5/053000: <i>H-60 MODS</i>                                                                                                                                                                                                                                                                                                                                                                                                                      | 37.955         | 18.946         | 43.404                  |                                                                                  | 43.404                   | 54.208         | 46.220         | 39.985                                          | 41.158         | 38.878                      | 438.567           |
| <b>Remarks</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| <b>D. Acquisition Strategy</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| AMCM and Armed Helo are elements of the existing MH-60S ACAT IC Program. MH-60S will employ an evolutionary acquisition approach via the MH-60S Block Upgrades. This allows for future modification for systems still in early development. The block upgrades will maximize commonality across all MH-60S missions and all AMCM/Armed Helo weapon systems, including logistics, training and maintenance. The MH-60S block upgrades are as follows: |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| -Block 1 - Combat Support Helicopter                                                                                                                                                                                                                                                                                                                                                                                                                 |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| -Block 2 - Organic Airborne Mine Countermeasures                                                                                                                                                                                                                                                                                                                                                                                                     |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| -Block 3 - Armed Helo                                                                                                                                                                                                                                                                                                                                                                                                                                |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| <b>E. Performance Metrics</b>                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |
| Successfully achieve Initial Operational Capability for AMCM. Successfully complete Operational Assessment for AMCM sensor integration and Littoral Combat Ship (LCS) Mine Countermeasures Mission Package. Successfully complete FFW/ Rockets Developmental/Operational Testing.                                                                                                                                                                    |                |                |                         |                                                                                  |                          |                |                |                                                 |                |                             |                   |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                                                                |                        |                                |                 |         |            |                                                                    |            |              |            |                                   |            | DATE: April 2013 |                  |            |                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                               |                        |                                |                 |         |            | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |            |              |            | PROJECT<br>2415: H-60 Development |            |                  |                  |            |                          |
| Product Development (\$ in Millions)                                                                                                                                  |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                                                    | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Primary Hdw Dev - Airframe*                                                                                                                                           | SS/CPIF                | Sikorsky:Stratford, CT         | 167.244         | 2.856   | Jan 2012   | 1.000                                                              | Mar 2013   | 2.000        | Dec 2013   | -                                 |            | 2.000            | 0.000            | 173.100    | 173.100                  |
| Primary Hdw Dev - Airframe FFW                                                                                                                                        | SS/CPFF                | Sikorsky:Stratford, CT         | 9.637           | 0.000   |            | 3.500                                                              | Nov 2012   | 4.500        | Nov 2013   | -                                 |            | 4.500            | 3.000            | 20.637     | 20.637                   |
| Primary Hdw Dev - Avionics*                                                                                                                                           | SS/CPIF                | Lockheed Martin:Owego, NY      | 210.329         | 5.778   | Oct 2011   | 6.000                                                              | Dec 2012   | 1.500        | Dec 2013   | -                                 |            | 1.500            | 0.000            | 223.607    | 223.607                  |
| Primary Hdw Dev - Avionics*FFW                                                                                                                                        | SS/CPIF                | Lockheed Martin:Owego, NY      | 0.000           | 0.000   |            | 2.000                                                              | Nov 2012   | 2.300        | Nov 2013   | -                                 |            | 2.300            | 3.000            | 7.300      | 7.300                    |
| Primary Hdw Dev - Avionics*FFW                                                                                                                                        | TBD                    | CRANE:TBD                      | 0.000           | 0.000   |            | 1.000                                                              | Apr 2013   | 6.000        | Jan 2014   | -                                 |            | 6.000            | 1.400            | 8.400      |                          |
| Primary Hdw Dev - Avionics*FFW                                                                                                                                        | TBD                    | Raytheon:TBD                   | 0.000           | 0.000   |            | 0.000                                                              |            | 2.000        | Mar 2014   | -                                 |            | 2.000            | 3.500            | 5.500      | 5.500                    |
| Primary Hdw Dev - CSTRS                                                                                                                                               | WR                     | NSWC:Panama City, FL           | 20.630          | 1.800   | Feb 2012   | 0.500                                                              | Dec 2012   | 0.500        | Dec 2013   | -                                 |            | 0.500            | 0.000            | 23.430     |                          |
| Primary Hdw Dev - CSTRS                                                                                                                                               | MIPR                   | CECOM:APG, MD                  | 11.979          | 1.050   | Dec 2011   | 0.500                                                              | Dec 2012   | 0.500        | Dec 2013   | -                                 |            | 0.500            | 0.000            | 14.029     |                          |
| Primary Hdw Dev - Training                                                                                                                                            | TBD                    | TBD:TBD                        | 0.000           | 0.000   |            | 0.000                                                              |            | 1.250        | Feb 2014   | -                                 |            | 1.250            | 1.150            | 2.400      |                          |
| Prior year Product Dev cost no longer funded in the FYDP                                                                                                              | Various                | Various:Various                | 51.554          | 0.000   |            | 0.000                                                              |            | 0.000        |            | -                                 |            | 0.000            | 0.000            | 51.554     |                          |
| Subtotal                                                                                                                                                              |                        |                                | 471.373         | 11.484  |            | 14.500                                                             |            | 20.550       |            | 0.000                             |            | 20.550           | 12.050           | 529.957    |                          |
| Remarks                                                                                                                                                               |                        |                                |                 |         |            |                                                                    |            |              |            |                                   |            |                  |                  |            |                          |
| Remarks: * PY SS/CPAF - 2%<br>FY05-FY12 SS/CPIF<br>FY12-FY14 Primary Hdw Dev- Avionics - Lockheed Martin includes Progress Payments aligned to Fixed Price CLIN only. |                        |                                |                 |         |            |                                                                    |            |              |            |                                   |            |                  |                  |            |                          |
| Support (\$ in Millions)                                                                                                                                              |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                                                    | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| ILS - MSS (Non FFRDC)                                                                                                                                                 | Various                | Various:Various                | 2.669           | 0.244   | Dec 2011   | 0.244                                                              | Dec 2012   | 0.175        | Dec 2013   | -                                 |            | 0.175            | 0.284            | 3.616      |                          |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                                  |                        |                                |                 |         |            |                                                                    |            |              |            |                                   |            | DATE: April 2013 |                  |            |                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD) |                        |                                |                 |         |            | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |            |              |            | PROJECT<br>2415: H-60 Development |            |                  |                  |            |                          |
| Support (\$ in Millions)                                                                                                                |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Integrated Logistics Support                                                                                                            | WR                     | Various:Various                | 5.560           | 0.899   | Nov 2011   | 1.000                                                              | Nov 2012   | 0.650        | Dec 2013   | -                                 |            | 0.650            | 2.000            | 10.109     |                          |
| Prior year Support cost no longer funded in the FYDP                                                                                    | Various                | Various:Various                | 8.589           | 0.000   |            | 0.000                                                              |            | 0.000        |            | -                                 |            | 0.000            | 0.000            | 8.589      |                          |
| Subtotal                                                                                                                                |                        |                                | 16.818          | 1.143   |            | 1.244                                                              |            | 0.825        |            | 0.000                             |            | 0.825            | 2.284            | 22.314     |                          |
| Test and Evaluation (\$ in Millions)                                                                                                    |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Dev Test & Evaluation                                                                                                                   | WR                     | NAWCAD:Patuxent River, MD      | 39.871          | 5.176   | Nov 2011   | 3.000                                                              | Nov 2012   | 2.754        | Nov 2013   | -                                 |            | 2.754            | 2.257            | 53.058     |                          |
| Dev Test & Evaluation                                                                                                                   | WR                     | Various:Various                | 19.179          | 4.279   | Nov 2011   | 2.179                                                              | Nov 2012   | 0.913        | Nov 2013   | -                                 |            | 0.913            | 0.000            | 26.550     |                          |
| Operational Test & Evaluation                                                                                                           | WR                     | OPTEVFOR:Norfolk, VA           | 4.535           | 0.971   | Feb 2012   | 1.000                                                              | Nov 2012   | 2.100        | Nov 2013   | -                                 |            | 2.100            | 2.000            | 10.606     |                          |
| Prior year T&E cost no longer funded in the FYDP                                                                                        | Various                | Various:Various                | 6.159           | 0.000   |            | 0.000                                                              |            | 0.000        |            | -                                 |            | 0.000            | 0.000            | 6.159      |                          |
| Subtotal                                                                                                                                |                        |                                | 69.744          | 10.426  |            | 6.179                                                              |            | 5.767        |            | 0.000                             |            | 5.767            | 4.257            | 96.373     |                          |
| Management Services (\$ in Millions)                                                                                                    |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                              | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Eng & Tech Srvc (Non FFRDC)                                                                                                             | Various                | Various:Various                | 16.465          | 1.606   | Jan 2012   | 2.142                                                              | Jan 2013   | 2.300        | Jan 2014   | -                                 |            | 2.300            | 1.741            | 24.254     |                          |
| Government Engineering Support                                                                                                          | WR                     | NAWCAD:Patuxent River, MD      | 12.020          | 1.750   | Nov 2011   | 2.804                                                              | Nov 2012   | 1.538        | Nov 2013   | -                                 |            | 1.538            | 1.689            | 19.801     |                          |
| Government Engineering Support                                                                                                          | WR                     | NSWC:Panama City, FL           | 30.346          | 1.489   | Nov 2011   | 1.615                                                              | Nov 2012   | 0.750        | Nov 2013   | -                                 |            | 0.750            | 0.686            | 34.886     |                          |
| Government Engineering Support                                                                                                          | WR                     | Various:Various                | 25.123          | 0.537   | Dec 2011   | 0.400                                                              | Dec 2012   | 1.373        | Dec 2013   | -                                 |            | 1.373            | 1.750            | 29.183     |                          |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                                  |                        |                                |                 |         |            |                                                                    |            |              |            |                                   | DATE: April 2013 |               |                  |            |                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD) |                        |                                |                 |         |            | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |            |              |            | PROJECT<br>2415: H-60 Development |                  |               |                  |            |                          |
| Management Services (\$ in Millions)                                                                                                    |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |                  | FY 2014 Total |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                              | Award Date       | Cost          | Cost To Complete | Total Cost | Target Value of Contract |
| Program Mgmt Support CSS                                                                                                                | WR                     | Various:Various                | 5.380           | 0.177   | Jan 2012   | 0.177                                                              | Jan 2013   | 0.180        | Jan 2014   | -                                 |                  | 0.180         | 0.180            | 6.094      |                          |
| Program Mgmt Support                                                                                                                    | WR                     | Various:Various                | 13.681          | 0.690   | Nov 2011   | 0.482                                                              | Nov 2012   | 0.290        | Nov 2013   | -                                 |                  | 0.290         | 0.321            | 15.464     |                          |
| Travel                                                                                                                                  | WR                     | Various:Various                | 2.926           | 0.200   | Nov 2011   | 0.200                                                              | Nov 2012   | 0.200        | Nov 2013   | -                                 |                  | 0.200         | 0.200            | 3.726      |                          |
| Prior year Mgmt cost no longer funded in the FYDP                                                                                       | Various                | Various:Various                | 0.984           | 0.000   |            | 0.000                                                              |            | 0.000        |            | -                                 |                  | 0.000         | 0.000            | 0.984      |                          |
| Subtotal                                                                                                                                |                        |                                | 106.925         | 6.449   |            | 7.820                                                              |            | 6.631        |            | 0.000                             |                  | 6.631         | 6.567            | 134.392    |                          |
|                                                                                                                                         |                        |                                | All Prior Years | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                       |                  | FY 2014 Total | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals                                                                                                                     |                        |                                | 664.860         | 29.502  |            | 29.743                                                             |            | 33.773       |            | 0.000                             |                  | 33.773        | 25.158           | 783.036    |                          |
| Remarks                                                                                                                                 |                        |                                |                 |         |            |                                                                    |            |              |            |                                   |                  |               |                  |            |                          |

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PE 0604212N: *Other Helicopter Development*  
Navy

R-1 Line #81

## R-1 ITEM NOMENCLATURE

PE 0604212N: *Other Helicopter Development*

2415: *H-60 Development*2014PB - 0604212N - 2415

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Exhibit R-4, RDT&E Schedule Profile: PB 2014 Navy

DATE: April 2013

## APPROPRIATION/BUDGET ACTIVITY

1319: Research, Development, Test & Evaluation, Navy  
BA 5: System Development & Demonstration (SDD)

## R-1 ITEM NOMENCLATURE

PE 0604212N: Other Helicopter  
Development

## PROJECT

2415: H-60 Development

| Forward Firing Weapon | FY 2012 |        |    |    | FY 2013 |    |    |    | FY 2014 |    |    |    | FY 2015 |    |    |    | FY 2016 |    |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    |
|-----------------------|---------|--------|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
|                       | 1Q      | 2Q     | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q |
| Guns                  |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
| Test and Evaluation   |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|                       | DT      | OT/QRA |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
| Rockets               |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
| System Development    |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|                       |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|                       |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
| System Integration    |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
| Reviews               |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
| Test and Evaluation   |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |
|                       |         |        |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |         |    |    |    |

2014PB - 0604212N - 2415

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| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy                                                                                                        |                                                                                  |                                                 | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> | <b>PROJECT</b><br>2415: <i>H-60 Development</i> |                         |

**Schedule Details**

| Events by Sub Project                                                                        | Start   |      | End     |      |
|----------------------------------------------------------------------------------------------|---------|------|---------|------|
|                                                                                              | Quarter | Year | Quarter | Year |
| <b><i>Airborne Mine Countermeasures</i></b>                                                  |         |      |         |      |
| Acq Milestones: Milestones: - Initial Operational Capability-AMCM                            | 1       | 2015 | 1       | 2015 |
| Acq Milestones: Milestones: - IPR IV AMCM                                                    | 3       | 2012 | 3       | 2012 |
| System Development: Hardware/Software Development: - AMCM Spiral Upgrades                    | 1       | 2012 | 4       | 2015 |
| Test & Evaluation: AMNS: - Developmental Testing (DT) (AMNS)                                 | 4       | 2012 | 3       | 2013 |
| Test & Evaluation: AMNS: - Operational Assessment (OA) (AMNS)                                | 3       | 2013 | 1       | 2014 |
| Test & Evaluation: ALMDS: - Operational Assessment (OA) (ALMDS)                              | 2       | 2012 | 4       | 2012 |
| Test & Evaluation: OASIS: - Contractor Test (OASIS)                                          | 1       | 2012 | 2       | 2012 |
| Test & Evaluation: LCS Mission Package: Initial Operational Test and Evaluation (IOT&E)      | 2       | 2014 | 1       | 2015 |
| Contract Award: AMCM Acillary kits: - Contract Award - Production (AMCM Ancillary Kits-FY12) | 4       | 2012 | 4       | 2012 |
| Contract Award: AMCM Acillary kits: - Contract Award - Production (AMCM Ancillary Kits-FY13) | 3       | 2013 | 3       | 2013 |
| Contract Award: AMCM Acillary kits: - Contract Award - Produciton (AMCM Ancillary Kits-FY14) | 2       | 2014 | 2       | 2014 |
| Contract Award: AMCM Acillary kits: - Contract Award - Produciton (AMCM Ancillary Kits-FY15) | 2       | 2015 | 2       | 2015 |
| Deliveries: - LRIP Delivery (AMCM Ancillary Kits-FY11)                                       | 3       | 2014 | 1       | 2015 |
| Deliveries: - Production Delivery (AMCM Ancillary Kits-FY12)                                 | 4       | 2014 | 4       | 2015 |
| Deliveries: - Production Delivery (AMCM Ancillary Kits-FY13)                                 | 3       | 2015 | 1       | 2016 |
| Deliveries: - Production Delivery (AMCM Ancillary Kits-FY14)                                 | 2       | 2016 | 1       | 2017 |
| Deliveries: - Production Delivery (AMCM Ancillary Kits-FY15)                                 | 2       | 2017 | 1       | 2018 |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2014 Navy                                                                                      |  |                                                                    | DATE: April 2013 |                                   |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD) |  | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |                  | PROJECT<br>2415: H-60 Development |
|                                                                                                                                         |  | Start                                                              |                  | End                               |
| Events by Sub Project                                                                                                                   |  | Quarter                                                            | Year             | Quarter Year                      |
| Forward Firing Weapon                                                                                                                   |  |                                                                    |                  |                                   |
| Test and Evaluation: - Developmental Testing (DT) (FFW)                                                                                 |  | 1                                                                  | 2012             | 1 2012                            |
| Test and Evaluation: - Operational Testing (OT)/QRA (FFW)                                                                               |  | 2                                                                  | 2012             | 3 2012                            |
| System Development: System Integration: System Integration                                                                              |  | 1                                                                  | 2013             | 1 2015                            |
| Test and Evaluation: Developmental Testing (DT) (FFW)                                                                                   |  | 2                                                                  | 2014             | 1 2015                            |
| Test and Evaluation: Operational Testing (OT) (FFW)                                                                                     |  | 2                                                                  | 2015             | 4 2015                            |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              |                                                                    |               |         |         |                             | DATE: April 2013                                                                                                                          |                  |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                   |                 |         |                      |              | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |               |         |         | PROJECT<br>2460: VH-3/VH-60 |                                                                                                                                           |                  |            |
| COST (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                                                     | All Prior Years | FY 2012 | FY 2013 <sup>#</sup> | FY 2014 Base | FY 2014 OCO <sup>##</sup>                                          | FY 2014 Total | FY 2015 | FY 2016 | FY 2017                     | FY 2018                                                                                                                                   | Cost To Complete | Total Cost |
| 2460: VH-3/VH-60                                                                                                                                                                                                                                                                                                                                                                                                                                          | 26.009          | 1.724   | 1.780                | 2.230        | -                                                                  | 2.230         | 11.719  | 1.742   | 1.779                       | 1.799                                                                                                                                     | Continuing       | Continuing |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                | 0               | 0       | 0                    | 0            |                                                                    | 0             | 0       | 0       | 0                           | 0                                                                                                                                         |                  |            |
| # FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012                                                                                                                                                                                                                                                                                                                                                                         |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| ## The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                              |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| A. Mission Description and Budget Item Justification                                                                                                                                                                                                                                                                                                                                                                                                      |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| Marine Helicopter Squadron One (HMX-1) is required to provide safe and timely transportation for the President and Vice President of the United States, heads of state and others as directed by the White House Military Office. Currently two Type, Model, Series aircraft are used by HMX-1 for the Presidential support mission - the VH-3D and the VH-60N. This project currently funds the VH Executive Helicopter's Aircraft Life Management Plan. |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)                                                                                                                                                                                                                                                                                                                                                                          |                 |         |                      |              |                                                                    |               |         |         |                             | FY 2012                                                                                                                                   | FY 2013          | FY 2014    |
| Title: VH Executive Helicopter Aircraft Life Management Plan                                                                                                                                                                                                                                                                                                                                                                                              |                 |         |                      |              |                                                                    |               |         |         |                             | 1.724                                                                                                                                     | 1.780            | 2.230      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                                    |               |         |         |                             | Articles: 0                                                                                                                               | 0                | 0          |
| Description: VH Executive Helicopter Aircraft Life Management Program: Provides for management and improvement of all Executive Helicopter systems readiness including safety, operational weight, mission availability, structural integrity, component reliability, maintainability, software, and obsolescence issues as they arise.                                                                                                                   |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                                    |               |         |         |                             | FY 2012 Accomplishments:                                                                                                                  |                  |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                                    |               |         |         |                             | Provides government support and contract award for efforts associated with the Aircraft Life Management Program for the VH-3D and VH-60N. |                  |            |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |         |                      |              |                                                                    |               |         |         |                             | FY 2013 Plans:                                                                                                                            |                  |            |
| Provides government support and contract award for efforts associated with the Aircraft Life Management Program for the VH Executive Helicopters.                                                                                                                                                                                                                                                                                                         |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| FY 2014 Plans:                                                                                                                                                                                                                                                                                                                                                                                                                                            |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| Provide government support and contract awards for efforts associated with the Aircraft Life Management Program for VH Executive Helicopters. Evaluation of a wideband Line Of Site system for prototype and test for integration into the VH Communications Suite.                                                                                                                                                                                       |                 |         |                      |              |                                                                    |               |         |         |                             |                                                                                                                                           |                  |            |
| Accomplishments/Planned Programs Subtotals                                                                                                                                                                                                                                                                                                                                                                                                                |                 |         |                      |              |                                                                    |               |         |         |                             | 1.724                                                                                                                                     | 1.780            | 2.230      |

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| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                 |                                                                    |                  |         |         |                             | DATE: April 2013 |                     |            |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                            |         |         |                 | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |                  |         |         | PROJECT<br>2460: VH-3/VH-60 |                  |                     |            |
| C. Other Program Funding Summary (\$ in Millions)                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |                 |                                                                    |                  |         |         |                             |                  |                     |            |
| Line Item                                                                                                                                                                                                                                                                                                                                                                                                                                          | FY 2012 | FY 2013 | FY 2014<br>Base | FY 2014<br>OCO                                                     | FY 2014<br>Total | FY 2015 | FY 2016 | FY 2017                     | FY 2018          | Cost To<br>Complete | Total Cost |
| • APN/056600: Executive Helicopters Series                                                                                                                                                                                                                                                                                                                                                                                                         | 77.511  | 58.163  | 85.537          |                                                                    | 85.537           | 107.661 | 128.433 | 88.218                      | 67.316           | 95.834              | 1,154.550  |
| Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                 |                                                                    |                  |         |         |                             |                  |                     |            |
| D. Acquisition Strategy                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         |                 |                                                                    |                  |         |         |                             |                  |                     |            |
| VH Executive Helicopter Aircraft Life Management Plan will include trade studies necessary to address safety, operational weight, mission availability, structural integrity, component reliability, maintainability, software, and obsolescence issues as they arise. Results of these trade studies will lead to modifications to be addressed through the program's Obsolescence Management Program Operational Safety and Improvement Program. |         |         |                 |                                                                    |                  |         |         |                             |                  |                     |            |
| E. Performance Metrics                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |                 |                                                                    |                  |         |         |                             |                  |                     |            |
| Completion of VH Executive Helicopter Aircraft Life Management Program efforts.                                                                                                                                                                                                                                                                                                                                                                    |         |         |                 |                                                                    |                  |         |         |                             |                  |                     |            |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|----------------------------------------------------------------------------------|--|--|--|-------------------------------------------|--|-------------------------|--|--|
| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy                                                                                                    |  |  |  |  |  |  |                                                                                  |  |  |  |                                           |  | <b>DATE:</b> April 2013 |  |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |  |  |  |  |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |  |  |  | <b>PROJECT</b><br>2460: <i>VH-3/VH-60</i> |  |                         |  |  |

  

| <b>Product Development (\$ in Millions)</b>      |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
|--------------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|----------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Cost Category Item</b>                        | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Systems Engineering                              | SS/CPFF                           | Sikorsky:Stratford, CT                    | 15.111                 | 0.899          | Feb 2012          | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 7.206                   | 23.216            | 23.216                          |
| Systems Engineering                              | SS/FFP                            | Rockwell Collins:Cedar Rapids, IA         | 0.000                  | 0.439          | May 2012          | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 0.000                   | 0.439             | 0.439                           |
| Prior Year Prod Dev no longer funded in the FYDP | Various                           | Various:Various                           | 5.426                  | 0.000          |                   | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 0.000                   | 5.426             |                                 |
| <b>Subtotal</b>                                  |                                   |                                           | 20.537                 | 1.338          |                   | 0.000          |                   | 0.000               |                   | 0.000              |                   | 0.000                | 7.206                   | 29.081            |                                 |

  

| <b>Management Services (\$ in Millions)</b> |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
|---------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|----------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Cost Category Item</b>                   | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Government Engineering Support              | WR                                | NAWCAD:Patuxent River, MD                 | 4.564                  | 0.286          | Nov 2011          | 1.353          | Nov 2012          | 1.548               | Nov 2013          | -                  |                   | 1.548                | Continuing              | Continuing        | Continuing                      |
| Program Management Support                  | WR                                | NAWCAD:Patuxent River, MD                 | 0.764                  | 0.050          | Nov 2011          | 0.399          | Nov 2012          | 0.661               | Nov 2013          | -                  |                   | 0.661                | Continuing              | Continuing        | Continuing                      |
| Travel                                      | Various                           | Various:Various                           | 0.144                  | 0.050          | Oct 2011          | 0.028          | Oct 2012          | 0.021               | Oct 2013          | -                  |                   | 0.021                | Continuing              | Continuing        | Continuing                      |
| <b>Subtotal</b>                             |                                   |                                           | 5.472                  | 0.386          |                   | 1.780          |                   | 2.230               |                   | 0.000              |                   | 2.230                |                         |                   |                                 |

  

|                            |  |  | <b>All Prior Years</b> | <b>FY 2012</b> |  | <b>FY 2013</b> |  | <b>FY 2014 Base</b> |  | <b>FY 2014 OCO</b> |  | <b>FY 2014 Total</b> | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
|----------------------------|--|--|------------------------|----------------|--|----------------|--|---------------------|--|--------------------|--|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Project Cost Totals</b> |  |  | 26.009                 | 1.724          |  | 1.780          |  | 2.230               |  | 0.000              |  | 2.230                |                         |                   |                                 |

  

**Remarks**

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PE 0604212N: *Other Helicopter Development*  
Navy

R-1 Line #81

## R-1 ITEM NOMENCLATURE

PE 0604212N: *Other Helicopter Development*

2460: *VH-3/VH-60*2014PB - 0604212N - 2460

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|                                                                                                                                                                      |                                                                                  |                                           |                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy                                                                                                        |                                                                                  |                                           | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> | <b>PROJECT</b><br>2460: <i>VH-3/VH-60</i> |                         |

## Schedule Details

| Events by Sub Project                                                                        | Start   |      | End     |      |
|----------------------------------------------------------------------------------------------|---------|------|---------|------|
|                                                                                              | Quarter | Year | Quarter | Year |
| <b><i>VH-3/VH-60</i></b>                                                                     |         |      |         |      |
| Engineering Milestones: VH-3D / VH-60N ALMP                                                  | 1       | 2012 | 4       | 2018 |
| Engineering Milestones: Systems Development: VH Comms Upgrade System Integration             | 1       | 2015 | 4       | 2015 |
| Engineering Milestones: Systems Development: VH Comms Upgrade Software Integration           | 1       | 2015 | 4       | 2015 |
| Engineering Milestones: Systems Development: VH Comms Upgrade Aircraft Prototype Engineering | 3       | 2015 | 3       | 2016 |
| Engineering Milestones: Systems Development: Government Prototype and Test                   | 2       | 2014 | 2       | 2014 |

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|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                        |                |                            |                     |                                                                           |                      |                |                |                                           |                  |                         |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|----------------------------|---------------------|---------------------------------------------------------------------------|----------------------|----------------|----------------|-------------------------------------------|------------------|-------------------------|-------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                |                            |                     |                                                                           |                      |                |                |                                           | DATE: April 2013 |                         |                   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                        |                |                            |                     | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: Other Helicopter Development |                      |                |                | <b>PROJECT</b><br>3355: MH-XX Development |                  |                         |                   |
| <b>COST (\$ in Millions)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>All Prior Years</b> | <b>FY 2012</b> | <b>FY 2013<sup>#</sup></b> | <b>FY 2014 Base</b> | <b>FY 2014 OCO <sup>##</sup></b>                                          | <b>FY 2014 Total</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b>                            | <b>FY 2018</b>   | <b>Cost To Complete</b> | <b>Total Cost</b> |
| 3355: MH-XX Development                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 0.000                  | 0.000          | 0.000                      | 1.887               | -                                                                         | 1.887                | 6.568          | 6.033          | 2.142                                     | 2.167            | Continuing              | Continuing        |
| Quantity of RDT&E Articles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 0                      | 0              | 0                          | 0                   |                                                                           | 0                    | 0              | 0              | 0                                         | 0                |                         |                   |
| <sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012<br><sup>##</sup> The FY 2014 OCO Request will be submitted at a later date                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                |                            |                     |                                                                           |                      |                |                |                                           |                  |                         |                   |
| <b>Note</b><br>New Start                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                        |                |                            |                     |                                                                           |                      |                |                |                                           |                  |                         |                   |
| <b>A. Mission Description and Budget Item Justification</b><br>The MH-XX project supports Naval Aviation developmental activities to support the replacement of Navy H-60 series helicopters. These aircraft will be used extensively to protect the surface Navy from both surface and sub-surface threats. Additionally, other mission areas will include Combat Search and Rescue, Naval Special Warfare support and Logistics support. Systems engineering activities will be conducted to evolutionize operational requirements into design requirements. Efforts include: requirements synthesis/analysis to properly identify capability gaps, design trades and affordability studies. This will allow system level optimization to provide the maximum war fighting capability at the lowest possible costs. This will provide Naval Aviation the means to maintain war fighting capability effectively and efficiently and support the Navy's 30 year plan. |                        |                |                            |                     |                                                                           |                      |                |                |                                           |                  |                         |                   |
| <b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                        |                |                            |                     |                                                                           |                      |                |                |                                           | <b>FY 2012</b>   | <b>FY 2013</b>          | <b>FY 2014</b>    |
| <b>Title:</b> MH-XX Development Engineering Support<br><br><div style="text-align: right;"><b>Articles:</b></div> <b>Description:</b> Provide systems engineering support for the Naval Aviation developmental activities to provide for replacement of the Navy H-60 series Helicopter with the MH-XX.<br><br><b>FY 2014 Plans:</b><br>Provide Systems engineering support for MH-XX Development Program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                        |                |                            |                     |                                                                           |                      |                |                |                                           | 0.000            | 0.000                   | 1.887<br>0        |
| <b>Accomplishments/Planned Programs Subtotals</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                |                            |                     |                                                                           |                      |                |                |                                           | 0.000            | 0.000                   | 1.887             |
| <b>C. Other Program Funding Summary (\$ in Millions)</b><br>N/A<br><b>Remarks</b><br><br><b>D. Acquisition Strategy</b><br>Activities will be predominantly government. The results of these activities will establish the acquisition strategy for the remainder of the program.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                        |                |                            |                     |                                                                           |                      |                |                |                                           |                  |                         |                   |

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------|
| Exhibit R-2A, RDT&E Project Justification: PB 2014 Navy                                                                                                       |                                                                           | DATE: April 2013                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | R-1 ITEM NOMENCLATURE<br>PE 0604212N: <i>Other Helicopter Development</i> | PROJECT<br>3355: <i>MH-XX Development</i> |

E. Performance Metrics

Completion of Systems Design Specification and Milestone Documentation.

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|                                                                                                                                         |                        |                                |                 |         |            |                                                                    |            |              |            |                                    |            |                  |                  |            |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------|-----------------|---------|------------|--------------------------------------------------------------------|------------|--------------|------------|------------------------------------|------------|------------------|------------------|------------|--------------------------|
| Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Navy                                                                                  |                        |                                |                 |         |            |                                                                    |            |              |            |                                    |            | DATE: April 2013 |                  |            |                          |
| APPROPRIATION/BUDGET ACTIVITY<br>1319: Research, Development, Test & Evaluation, Navy<br>BA 5: System Development & Demonstration (SDD) |                        |                                |                 |         |            | R-1 ITEM NOMENCLATURE<br>PE 0604212N: Other Helicopter Development |            |              |            | PROJECT<br>3355: MH-XX Development |            |                  |                  |            |                          |
| Management Services (\$ in Millions)                                                                                                    |                        |                                |                 | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                        |            | FY 2014 Total    |                  |            |                          |
| Cost Category Item                                                                                                                      | Contract Method & Type | Performing Activity & Location | All Prior Years | Cost    | Award Date | Cost                                                               | Award Date | Cost         | Award Date | Cost                               | Award Date | Cost             | Cost To Complete | Total Cost | Target Value of Contract |
| Govt Engineering/Log Supt                                                                                                               | WR                     | NAWC AD:Patuxent River MD      | 0.000           | 0.000   |            | 0.000                                                              |            | 0.599        | Oct 2013   | -                                  |            | 0.599            | Continuing       | Continuing | Continuing               |
| Contr Engineering Supt                                                                                                                  | TBD                    | NAWC AD:Patuxent River MD      | 0.000           | 0.000   |            | 0.000                                                              |            | 1.061        | Nov 2013   | -                                  |            | 1.061            | Continuing       | Continuing | Continuing               |
| Program Management                                                                                                                      | WR                     | NAWC AD:Patuxent River MD      | 0.000           | 0.000   |            | 0.000                                                              |            | 0.198        | Nov 2013   | -                                  |            | 0.198            | Continuing       | Continuing | Continuing               |
| Travel                                                                                                                                  | Various                | Various:Not Specified          | 0.000           | 0.000   |            | 0.000                                                              |            | 0.029        | Oct 2013   | -                                  |            | 0.029            | Continuing       | Continuing | Continuing               |
| Subtotal                                                                                                                                |                        |                                | 0.000           | 0.000   |            | 0.000                                                              |            | 1.887        |            | 0.000                              |            | 1.887            |                  |            |                          |
|                                                                                                                                         |                        |                                | All Prior Years | FY 2012 |            | FY 2013                                                            |            | FY 2014 Base |            | FY 2014 OCO                        |            | FY 2014 Total    | Cost To Complete | Total Cost | Target Value of Contract |
| Project Cost Totals                                                                                                                     |                        |                                | 0.000           | 0.000   |            | 0.000                                                              |            | 1.887        |            | 0.000                              |            | 1.887            |                  |            |                          |
| Remarks                                                                                                                                 |                        |                                |                 |         |            |                                                                    |            |              |            |                                    |            |                  |                  |            |                          |

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PE 0604212N: *Other Helicopter Development*  
Navy

R-1 Line #81

## R-1 ITEM NOMENCLATURE

PE 0604212N: *Other Helicopter Development*

3355: *MH-XX Development*

| MH-XX Development      |  | FY 2012  |    |    |    | FY 2013 |    |    |    | FY 2014 |                |    |    | FY 2015 |    |    |    | FY 2016 |                         |    |    | FY 2017 |    |    |    | FY 2018 |    |    |    |  |  |  |  |  |
|------------------------|--|----------|----|----|----|---------|----|----|----|---------|----------------|----|----|---------|----|----|----|---------|-------------------------|----|----|---------|----|----|----|---------|----|----|----|--|--|--|--|--|
|                        |  | 1Q       | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q             | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q                      | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q | 1Q      | 2Q | 3Q | 4Q |  |  |  |  |  |
| Acquisition Milestones |  | Planning |    |    |    |         |    |    |    |         |                |    |    |         |    |    |    |         |                         |    |    |         |    |    |    |         |    |    |    |  |  |  |  |  |
|                        |  |          |    |    |    |         |    |    |    |         | Rqmts Analysis |    |    |         |    |    |    |         |                         |    |    |         |    |    |    |         |    |    |    |  |  |  |  |  |
|                        |  |          |    |    |    |         |    |    |    |         |                |    |    |         |    |    |    |         | Design Analysis/Trades  |    |    |         |    |    |    |         |    |    |    |  |  |  |  |  |
|                        |  |          |    |    |    |         |    |    |    |         |                |    |    |         |    |    |    |         | Prog Plan/Documentation |    |    |         |    |    |    |         |    |    |    |  |  |  |  |  |
|                        |  |          |    |    |    |         |    |    |    |         |                |    |    |         |    |    |    |         |                         |    |    |         |    |    |    |         |    |    |    |  |  |  |  |  |

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------|-------------------------|
| <b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2014 Navy                                                                                                        |                                                                                  |                                                  | <b>DATE:</b> April 2013 |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> | <b>PROJECT</b><br>3355: <i>MH-XX Development</i> |                         |

Schedule Details

| Events by Sub Project                                            | Start   |      | End     |      |
|------------------------------------------------------------------|---------|------|---------|------|
|                                                                  | Quarter | Year | Quarter | Year |
| <b><i>MH-XX Development</i></b>                                  |         |      |         |      |
| Acquisition Milestones: Planning: Requirements Analysis          | 1       | 2014 | 4       | 2015 |
| Acquisition Milestones: Planning: Design Analysis/Trade Studies  | 1       | 2015 | 4       | 2017 |
| Acquisition Milestones: Planning: Program Planning/Documentation | 1       | 2017 | 4       | 2018 |

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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------|----------------------------|---------------------|----------------------------------------------------------------------------------|----------------------|----------------|----------------|---------------------------------------------------|-------------------------|-------------------------|-------------------|
| <b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2014 Navy                                                                                                      |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   | <b>DATE:</b> April 2013 |                         |                   |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i>    |                        |                |                            |                     | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |                      |                |                | <b>PROJECT</b><br>9999: <i>Congressional Adds</i> |                         |                         |                   |
| <b>COST (\$ in Millions)</b>                                                                                                                                            | <b>All Prior Years</b> | <b>FY 2012</b> | <b>FY 2013<sup>#</sup></b> | <b>FY 2014 Base</b> | <b>FY 2014 OCO <sup>##</sup></b>                                                 | <b>FY 2014 Total</b> | <b>FY 2015</b> | <b>FY 2016</b> | <b>FY 2017</b>                                    | <b>FY 2018</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> |
| 9999: <i>Congressional Adds</i>                                                                                                                                         | 0.000                  | 7.000          | 0.000                      | 0.000               | -                                                                                | 0.000                | 0.000          | 0.000          | 0.000                                             | 0.000                   | 0.000                   | 7.000             |
| Quantity of RDT&E Articles                                                                                                                                              | 0                      | 0              | 0                          | 0                   |                                                                                  | 0                    | 0              | 0              | 0                                                 | 0                       |                         |                   |
| <sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012<br><sup>##</sup> The FY 2014 OCO Request will be submitted at a later date |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| <b><u>A. Mission Description and Budget Item Justification</u></b>                                                                                                      |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| Congressional Add                                                                                                                                                       |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| <b><u>B. Accomplishments/Planned Programs (\$ in Millions)</u></b>                                                                                                      |                        |                |                            |                     |                                                                                  |                      |                | <b>FY 2012</b> | <b>FY 2013</b>                                    |                         |                         |                   |
| <b><i>Congressional Add:</i></b> VH-3/VH-60 (Cong)                                                                                                                      |                        |                |                            |                     |                                                                                  |                      |                | 7.000          | -                                                 |                         |                         |                   |
| <b><i>FY 2012 Accomplishments:</i></b> N/A                                                                                                                              |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| <b>Congressional Adds Subtotals</b>                                                                                                                                     |                        |                |                            |                     |                                                                                  |                      |                | 7.000          | 0.000                                             |                         |                         |                   |
| <b><u>C. Other Program Funding Summary (\$ in Millions)</u></b>                                                                                                         |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| <b>Line Item</b>                                                                                                                                                        | <b>FY 2012</b>         | <b>FY 2013</b> | <b>FY 2014 Base</b>        | <b>FY 2014 OCO</b>  | <b>FY 2014 Total</b>                                                             | <b>FY 2015</b>       | <b>FY 2016</b> | <b>FY 2017</b> | <b>FY 2018</b>                                    | <b>Cost To Complete</b> | <b>Total Cost</b>       |                   |
| • APN/056600: <i>Executive Helicopters Series</i>                                                                                                                       | 77.511                 | 58.163         | 85.537                     |                     | 85.537                                                                           | 107.661              | 128.433        | 88.218         | 67.316                                            | 95.834                  | 1,154.550               |                   |
| <b><u>Remarks</u></b>                                                                                                                                                   |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| <b><u>D. Acquisition Strategy</u></b>                                                                                                                                   |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| Not required for Congressional Adds.                                                                                                                                    |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| <b><u>E. Performance Metrics</u></b>                                                                                                                                    |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |
| Not required for Congressional Adds.                                                                                                                                    |                        |                |                            |                     |                                                                                  |                      |                |                |                                                   |                         |                         |                   |

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| <b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2014 Navy                                                                                                    |  |  |  |  |  |  |                                                                                  |  |  |  |                                                   |  | <b>DATE:</b> April 2013 |  |  |
| <b>APPROPRIATION/BUDGET ACTIVITY</b><br>1319: <i>Research, Development, Test &amp; Evaluation, Navy</i><br>BA 5: <i>System Development &amp; Demonstration (SDD)</i> |  |  |  |  |  |  | <b>R-1 ITEM NOMENCLATURE</b><br>PE 0604212N: <i>Other Helicopter Development</i> |  |  |  | <b>PROJECT</b><br>9999: <i>Congressional Adds</i> |  |                         |  |  |

  

| <b>Product Development (\$ in Millions)</b> |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
|---------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|----------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Cost Category Item</b>                   | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Systems Engineering                         | C/CPFF                            | Sikorsky:Stratford, CT                    | 0.000                  | 4.430          | Dec 2012          | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 0.000                   | 4.430             |                                 |
| Systems Engineering                         | C/FFP                             | Rockwell Collins:Cedar Rapids, IA         | 0.000                  | 1.460          | Jun 2012          | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 0.000                   | 1.460             |                                 |
| <b>Subtotal</b>                             |                                   |                                           | 0.000                  | 5.890          |                   | 0.000          |                   | 0.000               |                   | 0.000              |                   | 0.000                | 0.000                   | 5.890             |                                 |

  

| <b>Management Services (\$ in Millions)</b> |                                   |                                           |                        | <b>FY 2012</b> |                   | <b>FY 2013</b> |                   | <b>FY 2014 Base</b> |                   | <b>FY 2014 OCO</b> |                   | <b>FY 2014 Total</b> |                         |                   |                                 |
|---------------------------------------------|-----------------------------------|-------------------------------------------|------------------------|----------------|-------------------|----------------|-------------------|---------------------|-------------------|--------------------|-------------------|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Cost Category Item</b>                   | <b>Contract Method &amp; Type</b> | <b>Performing Activity &amp; Location</b> | <b>All Prior Years</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>    | <b>Award Date</b> | <b>Cost</b>         | <b>Award Date</b> | <b>Cost</b>        | <b>Award Date</b> | <b>Cost</b>          | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
| Government Engineering Support              | WR                                | NAWCAD:Patuxent River, MD                 | 0.000                  | 1.110          | Nov 2011          | 0.000          |                   | 0.000               |                   | -                  |                   | 0.000                | 0.000                   | 1.110             |                                 |
| <b>Subtotal</b>                             |                                   |                                           | 0.000                  | 1.110          |                   | 0.000          |                   | 0.000               |                   | 0.000              |                   | 0.000                | 0.000                   | 1.110             |                                 |

  

|                            |  |  | <b>All Prior Years</b> | <b>FY 2012</b> |  | <b>FY 2013</b> |  | <b>FY 2014 Base</b> |  | <b>FY 2014 OCO</b> |  | <b>FY 2014 Total</b> | <b>Cost To Complete</b> | <b>Total Cost</b> | <b>Target Value of Contract</b> |
|----------------------------|--|--|------------------------|----------------|--|----------------|--|---------------------|--|--------------------|--|----------------------|-------------------------|-------------------|---------------------------------|
| <b>Project Cost Totals</b> |  |  | 0.000                  | 7.000          |  | 0.000          |  | 0.000               |  | 0.000              |  | 0.000                | 0.000                   | 7.000             |                                 |

  

**Remarks**