A. Mission Description and Budget Item Justification
The Office of Net Assessment develops and coordinates analyses that examine the standing trends and future prospects of U.S. and other military capabilities and military potential. The net assessments address near and long-term problems and opportunities for the U.S. military forces to help counter technological advantages of potential adversaries of the United States. These efforts will pursue research to analyze the future security environment.

B. Program Change Summary ($ in Millions)

<table>
<thead>
<tr>
<th></th>
<th>FY 2016</th>
<th>FY 2017</th>
<th>FY 2018 Base</th>
<th>FY 2018 OCO</th>
<th>FY 2018 Total</th>
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<td>Previous President's Budget</td>
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<tr>
<td>Current President's Budget</td>
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<td>Total Adjustments</td>
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<td>• Congressional General Reductions</td>
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<tr>
<td>• Congressional Directed Reductions</td>
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<td>• Congressional Rescissions</td>
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<tr>
<td>• Congressional Directed Transfers</td>
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<td>• Reprogrammings</td>
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<tr>
<td>• SBIR/STTR Transfer</td>
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<tr>
<td>• FY 2017 Request for Additional Appropriations</td>
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<td>1.000</td>
<td></td>
<td></td>
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<td>• FY 2018 Request for Additional Appropriations</td>
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<td>-</td>
<td>1.000</td>
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</table>

Change Summary Explanation
FY 2016 increase due to reprogramming actions from other OSD programs.
FY 2017 funding request of +$1.000 million is required to address emergency warfighting readiness requirements.
C. Accomplishments/Planned Programs ($ in Millions)

<table>
<thead>
<tr>
<th>FY 2016</th>
<th>FY 2017</th>
<th>FY 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.500</td>
<td>1.000</td>
<td>1.000</td>
</tr>
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</table>

**Title:** Technology and Research Analysis

**Description:** The Office of Net Assessment develops and coordinates analyses that examine the standing trends and future prospect of U.S. and other military capabilities and military potential. The net assessments address near and long-term problems and opportunities for the U.S. military forces to help counter technological advantages of potential adversaries of the United States. These efforts will pursue research to analyze the future security environment.

**FY 2016 Accomplishments:**
- Initiated research into possible technical and operational applications for robotics and autonomous systems.
- Examined evolving business models and RD&A practices within the global market, how they have changed in the past ten years, and initiated forecast trends.
- Conducted analysis of future concepts of operation and possible adversary courses of action and responses to emerging capabilities.

**FY 2017 Plans:**
- Develop analysis of potential advances in machine learning and human machine teaming.
- Continue to conduct analysis of future concepts of operation and possible courses of action and responses to emerging capabilities.
- Invest in assessment of new research areas to assess potential revolutionary advances and their implications to the character of future military conflict.

**FY 2018 Plans:**
- Invest in Biosciences Net Assessment to assess potential revolutionary advances.
- Continue to conduct analysis on future concepts of operation and possible courses of action and responses to emerging capabilities.
- Conduct analysis in AI/Human Machine Teaming to identify areas of consideration for potential advanced capability demonstrations.

D. Other Program Funding Summary ($ in Millions)

**Remarks**

E. Acquisition Strategy

N/A
### Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Office of the Secretary Of Defense

<table>
<thead>
<tr>
<th>Appropriation/Budget Activity</th>
<th>R-1 Program Element (Number/Name)</th>
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<tr>
<td>0400: Research, Development, Test &amp; Evaluation, Defense-Wide / BA 6: RDT&amp;E Management Support</td>
<td>PE 0606225D8Z / ODNA Technology &amp; Research Analysis</td>
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<table>
<thead>
<tr>
<th>F. Performance Metrics</th>
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<tbody>
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