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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Operational Test and Evaluation, Defense **Date:** April 2022

<b>Appropriation/Budget Activity</b> 0460: <i>Operational Test and Evaluation, Defense I BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605814OTE / <i>Operational Test Activities and Analyses</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	65.237	69.939	67.648	57.718	-	57.718	58.693	59.477	59.888	59.572	Continuing	Continuing
000920: <i>OTA&amp;A</i>	65.237	69.939	67.648	57.718	-	57.718	58.693	59.477	59.888	59.572	Continuing	Continuing

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

The Operational Test Activities and Analyses (OTA&A) programs are continuing efforts that provide management and oversight of test and evaluation functions and expertise to the Department of Defense (DoD). The OTA&A programs consist of three activities: Joint Test and Evaluation (JT&E); Test and Evaluation Threat Resource Activity (TETRA); and Center for Countermeasures (CCM).

JT&E projects are T&E activities conducted in a joint military environment that develop process improvements. These multi-Service projects, chartered by the Office of the Secretary of Defense and coordinated with the Joint Staff, CCMDs, and the Services, provide non-materiel solutions that improve the following: joint interoperability of Service systems, technical and operational concepts, joint operational issues, development and validation of joint test methodologies, and test data for validating models, simulations, and test beds. New projects are also encouraged to align their efforts to support the National Defense Strategy. The JT&E projects address relevant joint warfighting issues in a joint test and evaluation environment by developing and providing new tactics, techniques, and procedures to improve joint capabilities and methodologies.

Test and Evaluation Threat Resource Activity (TETRA), based on a memorandum of agreement between the DOT&E and the Defense Intelligence Agency, provides DOT&E support in the areas of threat resource analysis, intelligence support and threat systems investments. As DOT&E's agent, TETRA provides threat resource analyses on the availability, capabilities and limitations of threat representations (threat simulators, targets, models, U.S. surrogates, and foreign materiel) and analysis of test resources used for operational testing to support DOT&E's assessment of the adequacy of testing for those programs designated for oversight by DOT&E and the Office of the Under Secretary of Defense Acquisition and Sustainment (OUSD (A&S)). TETRA provides DOT&E action officers and other DOT&E activities with program-specific threat intelligence support. TETRA also funds management, oversight, and the actual development of common-use threat specifications for threat simulators, threat representative targets, and digital threat models used for T&E.

The Center for Countermeasures (CCM), a Joint Service Countermeasure (CM) T&E activity, directs, coordinates, supports, and conducts independent countermeasure/counter-countermeasure (counter-CM) T&E activities of U.S. and foreign weapon systems, subsystems, sensors, and related components. CCM accomplishes this work in support of DOT&E, weapon system developers, and the Services.

CCM's testing and analyses directly supports evaluations of the operational effectiveness and suitability of CM/counter-CM systems, such as aircraft survivability equipment (ASE) used on rotary-wing and fixed-wing aircraft. CCM's mission to support T&E of ASE enables the survivability of aircraft in a high threat environment to enable mission success. In addition, CCM provides test support for Directed Energy Weapons (DEW) and Counter-Unmanned Aircraft Systems (C-UAS) programs. CCM improves Service member exercises, training, and pre-deployment activities with expertise in CM/counter-CM technology and capabilities. Also, cooperative Allied efforts are supported in the areas of ASE T&E, DEW T&E, and threat M&S development.

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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
Previous President's Budget	69.939	42.648	0.000	-	0.000
Current President's Budget	69.939	67.648	57.718	-	57.718
Total Adjustments	0.000	25.000	57.718	-	57.718
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	25.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Year	-	-	57.718	-	57.718

**Congressional Add Details (\$ in Millions, and Includes General Reductions)**

**Project:** 000920: *OTA&A*

Congressional Add: *Program Increase: Lab and Test Range Upgrades*

Congressional Add Subtotals for Project: 000920

Congressional Add Totals for all Projects

	<b>FY 2021</b>	<b>FY 2022</b>
	-	25.000
	-	25.000
	-	25.000

**Change Summary Explanation**

FY 2023 funding increase reflects the fact that the FY 2022 President's Budget request did not include out-year funding. FY 2023 programmatic increase from FY 2022 reflects restoration of the Joint Test and Evaluation program funding.

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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
000920: <i>OTA&amp;A</i>	65.237	69.939	67.648	57.718	-	57.718	58.693	59.477	59.888	59.572	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Operational Test Activities and Analyses (OTA&A) programs are continuing efforts that provide management and oversight of test and evaluation functions and expertise to the Department of Defense (DoD). The OTA&A programs consist of three activities: Joint Test and Evaluation (JT&E); Test and Evaluation Threat Resource Activity (TETRA); and Center for Countermeasures (CCM).

JT&E projects are T&E activities conducted in a joint military environment that develop process improvements. These multi-Service projects, chartered by the Office of the Secretary of Defense and coordinated with the Joint Staff, CCMDs, and the Services, provide non-materiel solutions that improve the following: joint interoperability of Service systems, technical and operational concepts, joint operational issues, development and validation of joint test methodologies, and test data for validating models, simulations, and test beds. New projects are also encouraged to align their efforts to support the National Defense Strategy. The JT&E projects address relevant joint warfighting issues in a joint test and evaluation environment by developing and providing new tactics, techniques, and procedures to improve joint capabilities and methodologies.

Test and Evaluation Threat Resource Activity (TETRA), based on a memorandum of agreement between the DOT&E and the Defense Intelligence Agency, provides DOT&E support in the areas of threat resource analysis, intelligence support and threat systems investments. As DOT&E's agent, TETRA provides threat resource analyses on the availability, capabilities and limitations of threat representations (threat simulators, targets, models, U.S. surrogates, and foreign materiel) and analysis of test resources used for operational testing to support DOT&E's assessment of the adequacy of testing for those programs designated for oversight by DOT&E and the Office of the Under Secretary of Defense Acquisition and Sustainment (OUSD (A&S)). TETRA provides DOT&E action officers and other DOT&E activities with program-specific threat intelligence support. TETRA also funds management, oversight, and the actual development of common-use threat specifications for threat simulators, threat representative targets, and digital threat models used for T&E.

The Center for Countermeasures (CCM), a Joint Service Countermeasure (CM) T&E activity, directs, coordinates, supports, and conducts independent countermeasure/counter-countermeasure (counter-CM) T&E activities of U.S. and foreign weapon systems, subsystems, sensors, and related components. CCM accomplishes this work in support of DOT&E, weapon system developers, and the Services.

CCM's testing and analyses directly supports evaluations of the operational effectiveness and suitability of CM/counter-CM systems, such as aircraft survivability equipment (ASE) used on rotary-wing and fixed-wing aircraft. CCM's mission to support T&E of ASE enables the survivability of aircraft in a high threat environment to enable mission success. In addition, CCM provides test support for Directed Energy Weapons (DEW) and Counter-Unmanned Aircraft Systems (C-UAS) programs. CCM improves Service member exercises, training, and pre-deployment activities with expertise in CM/counter-CM technology and capabilities. Also, cooperative Allied efforts are supported in the areas of ASE T&E, DEW T&E, and threat M&S development.

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2023 Operational Test and Evaluation, Defense		<b>Date:</b> April 2022
<b>Appropriation/Budget Activity</b> 0460 / 6	<b>R-1 Program Element (Number/Name)</b> PE 0605814OTE / <i>Operational Test Activities and Analyses</i>	<b>Project (Number/Name)</b> 000920 / OTA&A

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<p><b>Title:</b> Operational Test Activities and Analyses</p> <p><b>Description:</b> The Operational Test Activities and Analyses (OTA&amp;A) programs are continuing efforts that provide management and oversight of T&amp;E functions and expertise to the DOD. The OTA&amp;A programs consist of three activities: Joint Test and Evaluation (JT&amp;E); Test and Evaluation Threat Resource Activity (TETRA); and, the Center for Countermeasures (CCM).</p> <p><b>FY 2022 Plans:</b>                      Joint Test and Evaluation (JT&amp;E)                      In FY 2022, JT&amp;E plans to close one project that started in FY 2019 and two projects that started in FY 2021. The first project is the Joint Interoperability through Data Centricity Joint Test, which closed in October 2021. It developed tactics, techniques, and procedures that enable Combatant Commands to rapidly and efficiently share operational data with appropriate mission partners without establishing separate networks for each unique set of partners. The second project is the Joint Integrated Fire Control – Directed Energy Weapons for Air Defense Joint Test, which is anticipated to close in August 2022. It is developing a concept of employment to integrate directed energy and kinetic fires with command and control authorities to maximize self-defense and minimize collateral damage. The third project is the Recovery Enhanced by Synchronizing Capabilities to Unify Effects Joint Test, which is anticipated to close in August 2022. It is developing and testing tactics, techniques, and procedures to integrate and synchronize information-related capabilities across all-domains with personnel recovery operations to enable support and recovery of isolated personnel in an anti-access/area denial environment. Upon the appropriation of FY 2022 funding, the JT&amp;E program will charter additional projects commensurate with that funding. New projects will be nominated by Combatant Commands, Services, and Office of the Secretary of Defense agencies; representatives of these same organizations will prioritize the nominated projects for the available funding.</p> <p>Test and Evaluation Threat Resource Activity (TETRA)                      In FY 2022, Threat Systems will continue test planning working group participation and perform technical analyses to identify threat shortfalls; aligns with the NDS requirements; conduct special studies and provide current intelligence support tailored to specific U.S. weapon systems acquisitions based on the availability of funding. Threat Systems will:</p> <ul style="list-style-type: none"> <li>- Execute initiatives that directly influence or improve the areas of software intensive systems and cybersecurity.</li> <li>- Execute initiatives by moving to digital engineering via accredited models and simulation.</li> <li>- Execute initiatives to “Shift Left” with integrated developmental and operational testing.</li> <li>- Execute initiatives to improve the test environments.</li> <li>- Execute initiatives of growing importance on human-system interaction.</li> <li>- Execute initiatives of adapting T&amp;E for emergent technologies.</li> <li>- Execute initiatives to develop test capability for emerging technologies within the space and hypersonics arena to address current and potential threats.</li> </ul>	69.939	42.648	57.718

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**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<ul style="list-style-type: none"> <li>- Execute initiatives to understand and develop T&amp;E infrastructure, tools and processes for emerging capabilities and threats (i.e. hypersonics, directed energy, artificial intelligence, machine learning, infrared (IR) and radio frequency (RF), 5th Generation Aerial Target (5GAT), automated &amp; autonomous cybersecurity testing, and neural networks.)</li> <li>- Continue to support the reduction in acquisition and test timelines while increasing test capabilities against near peer threats.</li> <li>- Continue to foster rapid technological advancements in the areas of threat representation for T&amp;E and threat test resources by incorporating innovative technologies from the intelligence community into threat test assets to provide improved test fidelity and performance with cost savings.</li> <li>- Continue identifying initiatives to improve cyberspace threat representation and prediction, cyber-economic threats to DOD systems and scalable cyberspace threat test environments that can interface with cyber test networks.</li> <li>- Continue identifying initiatives to conduct offensive cyber operations (OCO) and defensive cyber operations (DCO) without significantly impacting critical operational capabilities.</li> <li>- Continue the development of an Advanced Satellite Navigation Receiver (ASNR) for an open service Global Positioning System / Inertial Measurement Unit (GPS/IMU) coupled high-fidelity, high dynamic next generation Time Space Position Information (TSPI) system to support future missile tests and Joint Standard Instrumentation Suite (JSIS) flight testing.</li> <li>- Complete implementation of Combined Federated Battle Laboratories Network (CFBLNet) ) to develop network capability that will support the Multi National Test and Evaluation Program (MTEP) TMAP ITASE Chimera Live Environment (MTICLE) test requirements with Coalition partners.</li> <li>- Continue development of cognitive radar definition, intelligence assessment of foreign AI cognitive capability, and white paper to develop model for testing against advanced cognitive radar threats.</li> <li>- Continue to pursue initiatives for improving satellite and space threat representations and developing alternatives for conducting threat realistic operational testing in response to environmental limitations.</li> <li>- Continue to support the U.S. warfighter by providing threat intelligence relevant to emerging threats such as artificial intelligence, autonomy, robotics, directed energy, hypersonic and biotechnology to ensure operational and developmental testing occurs against realistic threat representations, including (but not limited to) threats from both revisionist powers such as China and Russia threats from rogue regimes such as North Korea and Iran, and threats from non-state actors.</li> <li>- Continue to conduct threat intelligence investigations that support use of innovative technologies in the areas of AI, autonomy, robotics, machine learning (ML), quantum computing, lasers, nanotechnology, chemical and biological, directed energy, hypersonic and biotechnology being developed by nation states to improve threat representation in the contested domain of air, land, sea, space and cyberspace.</li> <li>- Continue to support initiatives for the development of Great Power threat representative jammers, for use in terrain constricted tests as a directional active electronically steered array jammer that will limit Federal Aviation Administration and other common jammer restrictions/acceptance/endorsement for T&amp;E use.</li> </ul>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<ul style="list-style-type: none"> <li>- Continue to sustain and manage threat M&amp;S to support test and evaluation by overseeing and coordinating intelligence community developed threat models, performing threat model anomaly resolution resolving differences from live fire testing, integrating threat models into T&amp;E facilities and distributing performance and signature models to T&amp;E users.</li> <li>- Continue to represent DOT&amp;E at foreign material exchanges, NATO, Allied Intelligence, inter-agency coordinating groups, and non-proliferation groups to raise awareness of T&amp;E needs for foreign materiel, coordinate service requirements, and de-conflict and prioritize foreign materiel requirements for T&amp;E.</li> <li>- Continue to provide intelligence support to DOT&amp;E staff to address specific questions on threat systems affecting programs on the OSD T&amp;E Oversight list and provide briefings and special intelligence reports when necessary.</li> <li>- Continue providing DOT&amp;E representative support at the Threat Steering Group (TSG) in support of the Validated Online Lifecycle Threat (VOLT) Report process.</li> <li>- Continue to represent DOT&amp;E interests on the Intelligence Acquisition Agility Working Group (IAAWG) and</li> <li>- Continue to represent DOT&amp;E at the Intelligence Mission Data Oversight Board responsible for development, production and sharing issues affecting the intelligence data supporting weapons systems acquisition.</li> <li>- Continue to serve DOT&amp;E's interests on the Executive Steering Group (ESG) and provide access to the Intelligence Mission Data Management Analysis &amp; Reporting System (IMARS).</li> <li>- Continue to manage Integrated Technical Evaluation and Analysis of Multiple Sources (ITEAMS) efforts supporting programs on the OSD Oversight T&amp;E List by conducting intelligence "deep dives" to produce intelligence in sufficient detail to develop new threat test assets.</li> <li>- Continue the independent review of validation reports to ensure the correct threat data and critical parameters are presented in the reports to assess the threat representations' capabilities to replicate a real-world threat system.</li> <li>- Oversee legacy DOT&amp;E investments and continue management and oversight of legacy and new Test Resource Management Center-funded threat system investments.</li> <li>- Continue to provide threat intelligence and validation support at the JASP reviews to ensure there is no duplication of effort and independently ensure the correct threat data and critical parameters are presented to assess the real-world threat representations.</li> <li>- Continue to serve as the T&amp;E Resources and Infrastructure Working Group (RIWG) DOT&amp;E lead for Targets and Threat Systems investments.</li> <li>- Serve as the DOT&amp;E agent for oversight in the coordination, development and execution of all Test Resource Management Center-funded projects within RIWG's Strategic and Foundational Portfolios.</li> <li>- Continue reviewing Threat Systems investments to prevent any duplication of effort and encourage cost savings by the sharing or multi-service use of newly developed threat representations to T&amp;E.</li> <li>- Continue to lead Allied and NATO initiatives, tests, intelligence, and modeling and simulation collaborative capability.</li> </ul> <p>Threat Systems will continue its efforts to improve significantly the standards set of threat performance models as the global threat environment evolves. Funds requested for these activities help DOT&amp;E carry out its Title 10 responsibilities to assess</p>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<p>test adequacy and determine whether testing is threat realistic and suitable, promotes common solutions to Service threat representation needs and ultimately supports the warfighter.</p> <p>The Center for Countermeasures (CCM) CCM will continue to emphasize support of the DOT&amp;E enterprise, with a clear focus on Title 10 oversight programs, Aircraft Survivability Equipment (ASE), Directed Energy Weapon (DEW), Counter-Unmanned Aircraft System (C-UAS), and warfighter training events. CCM expects to increase focus on DEW and other critical technology areas, which will contribute to the testing of future weapons and the understanding of emerging threats. CCM's ability to provide unique test equipment and expertise will remain a benefit to all Services, and the ongoing Improvement and Modernization plans will ensure test capabilities are provided at a cost savings across the DoD. Additional instrumentation, personnel, and training will be key to ensuring our ongoing test support continues to add significance in emerging technology areas.</p> <p>CCM will continue to build critical test and evaluation capabilities and the workforce necessary to evaluate emerging DEW war fighting technologies. This includes mobile, open-air DEW data collection and analysis capabilities that will support the T&amp;E of the rapid prototyping and fielding needs of these systems. The mobile test capability will allow T&amp;E of operational representative test scenarios in an open air environment to support the accelerated development and fielding of DEW within the DoD.</p> <p><b>FY 2023 Plans:</b> Joint Test and Evaluation (JT&amp;E) In FY 2023, JT&amp;E plans to start one new Joint Test project and five new Quick Reaction Test projects. With restored fiscal year funding profiles, JT&amp;E plans to convene senior leader boards to find efficiencies in the program's processes and start new projects that address relevant joint warfighting issues in a joint test and evaluation environment.</p> <p>Test and Evaluation Threat Resource Activity (TETRA) In FY 2023, Threat Systems will continue test planning working group participation and perform technical analyses to identify threat shortfalls; aligns with the National Defense Strategy (NDS) requirements; conduct special studies and provide current intelligence support tailored to specific U.S. weapon systems acquisitions based on the availability of funding. Threat Systems will:</p> <ul style="list-style-type: none"> <li>- Execute initiatives that directly influence or improve the areas of Software Intensive Systems and Cybersecurity.</li> <li>- Execute initiatives by moving to Digital engineering via accredited models and simulation.</li> <li>- Execute initiatives to "Shift Left" with Integrated Developmental and Operational Testing.</li> <li>- Execute initiatives to Improve the Test Environments.</li> <li>- Execute initiatives of Growing Importance on Human-System Interaction.</li> <li>- Execute initiatives of Adapting T&amp;E for Emergent Technologies.</li> <li>- Execute initiatives to develop test capability for emerging technologies within the Space and Hypersonics arena to address current and potential threats.</li> </ul>			

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<ul style="list-style-type: none"> <li>- Execute initiatives to understand and develop T&amp;E infrastructure, tools and processes for emerging capabilities and threats (hypersonics, directed energy, artificial intelligence, machine learning, infrared (IR) and radio frequency (RF), 5th Generation Aerial Target (5GAT), automated &amp; autonomous cybersecurity testing, and neural networks.</li> <li>- Continue to support the reduction in acquisition and test timelines while increasing test capabilities against Great Power threats.</li> <li>- Continue to foster rapid technological advancements in the areas of threat representation for T&amp;E and threat test resources by incorporating innovative technologies from the intelligence community into threat test assets to provide improved test fidelity and performance with cost savings.</li> <li>- Continue identifying initiatives to improve cyberspace threat representation and prediction, cyber-economic threats to DoD systems and scalable cyberspace threat test environments that can interface with cyber test networks.</li> <li>- Continue identifying initiatives to conduct offensive cyber operations (OCO) and defensive cyber operations (DCO) without significantly impacting critical operational capabilities.</li> <li>- Based on the availability of funding, complete the development of an Advanced Satellite Navigation Receiver (ASNR) for an open service Global Positioning System / Inertial Measurement Unit (GPS/IMU) coupled high-fidelity, high dynamic next generation Time Space Position Information (TSPI) system to support future missile tests and Joint Standard Instrumentation Suite (JSIS) flight testing.</li> <li>- Develop and build threat representative decoys and shells to support tests conducted on the ranges.</li> <li>- Complete development of cognitive radar definition and white paper to develop model for testing against advanced cognitive radar threats.</li> <li>- Continue to pursue initiatives for improving satellite and space threat representations and developing alternatives for conducting threat realistic operational testing in response to environmental limitations.</li> <li>- Continue to support the US warfighter by providing threat intelligence relevant to emerging threats such as artificial intelligence, autonomy, robotics, directed energy, hypersonic and biotechnology to ensure operational and developmental testing occurs against realistic threat representations, including (but not limited to) threats from both revisionist powers such as China and Russia threats from rogue regimes such as North Korea and Iran, and threats from non-state actors.</li> <li>- Continue to conduct threat intelligence investigations that support use of innovative technologies in the areas of artificial intelligence (AI), autonomy, robotics, machine learning (ML), quantum computing, lasers, nanotechnology, chemical and biological, directed energy, hypersonic and biotechnology being developed by nation states to improve threat representation in the contested domain of air, land, sea, space and cyberspace.</li> <li>- Continue to support initiatives for the development of Great Power threat representative jammers, for use in terrain constricted tests as a directional active electronically steered array jammer that will limit Federal Aviation Administration and other common jammer restrictions/acceptance/endorsement for T&amp;E use.</li> <li>- Continue to sustain and manage threat M&amp;S to support test and evaluation by overseeing and coordinating intelligence community developed threat models, performing threat model anomaly resolution resolving differences from live fire testing, integrating threat models into T&amp;E facilities and distributing performance and signature models to T&amp;E users.</li> </ul>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<ul style="list-style-type: none"> <li>- Continue to represent DOT&amp;E at foreign material exchanges, inter-agency coordinating groups, and non-proliferation groups to raise awareness of T&amp;E needs for foreign materiel, coordinate service requirements, and de-conflict and prioritize foreign materiel requirements for T&amp;E.</li> <li>- Continue to provide intelligence support to DOT&amp;E staff to address specific questions on threat systems affecting programs on the OSD T&amp;E Oversight list and provide briefings and special intelligence reports when necessary.</li> <li>- Continue providing DOT&amp;E representative support at the Threat Steering Group (TSG) in support of the Validated Online Lifecycle Threat (VOLT) Report process.</li> <li>- Continue to represent DOT&amp;E interests on the Intelligence Acquisition Agility Working Group (IAAWG) and</li> <li>- Continue to represent DOT&amp;E at the Intelligence Mission Data Oversight Board responsible for development, production and sharing issues affecting the intelligence data supporting weapons systems acquisition.</li> <li>- Continue to serve DOT&amp;E's interests on the Executive Steering Group (ESG) and provide access to the Intelligence Mission Data Management Analysis &amp; Reporting System (IMARS).</li> <li>- Continue to manage Integrated Technical Evaluation and Analysis of Multiple Sources (ITEAMS) efforts supporting programs on the OSD Oversight T&amp;E List by conducting intelligence "deep dives" to produce intelligence in sufficient detail to develop new threat test assets.</li> <li>- Continue ITEAMS efforts leading to the development of new threat systems for T&amp;E.</li> <li>- Continue the independent review of validation reports to ensure the correct threat data and critical parameters are presented in the reports to assess the threat representations' capabilities to replicate a real-world threat system.</li> <li>- Oversee legacy DOT&amp;E investments and continue management and oversight of legacy and new Test Resource Management Center-funded threat system investments.</li> <li>- Continue to provide threat intelligence and validation support at the Joint Aircraft Survivability Program (JASP) reviews to ensure there is no duplication of effort and independently ensure the correct threat data and critical parameters are presented to assess the real-world threat representations.</li> <li>- Continue to serve as the Test and Evaluation (T&amp;E) Resources and Infrastructure Working Group (RIWG) DOT&amp;E lead for Targets and Threat Systems investments.</li> <li>- Continue to serve as the DOT&amp;E agent for oversight in the coordination, development and execution of all Test Resource Management Center-funded projects within RIWG's Strategic and Foundational Portfolios.</li> <li>- Continue reviewing Threat Systems investments to prevent any duplication of effort and encourage cost savings by the sharing or multi-service use of newly developed threat representations to T&amp;E.</li> <li>- Continue to lead Allied and NATO initiatives, tests, intelligence, and modeling and simulation collaborative capability.</li> </ul> <p>Threat Systems will continue its efforts to improve significantly the standards set of threat performance models as the global threat environment evolves. Funds requested for these activities help DOT&amp;E carry out its Title 10 responsibilities to assess test adequacy and determine whether testing is threat realistic and suitable, promotes common solutions to Service threat representation needs and ultimately supports the warfighter.</p>			

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2021	FY 2022	FY 2023
<p>- Continue to create standard operating procedures for DOT&amp;E Action Officer intelligence support to reduce risk and capability.</p> <p>The Center for Countermeasures (CCM) CCM will continue to emphasize support of the DOT&amp;E enterprise, with a clear focus on Title 10 oversight programs, ASE, DEW, C-UAS, and warfighter training events. CCM expects to increase focus on additional DoD critical technology areas that may have T&amp;E gaps, which will contribute to the testing of future weapons and the understanding of emerging threats. CCM's ability to provide unique test equipment and expertise will remain a benefit to all Services, and the ongoing Improvement and Modernization plans will ensure test capabilities are provided at a cost savings across the DoD. Additional instrumentation, personnel, and training will be key to ensuring our ongoing test support continues to add significance in emerging technology areas.</p> <p>CCM will continue to build critical test and evaluation capabilities and the workforce necessary to evaluate emerging war fighting technologies. This includes mobile, open-air data collection and analysis capabilities that will support the T&amp;E of the rapid prototyping and fielding needs of these systems. The mobile test capability will allow T&amp;E of operational representative test scenarios in an open air environment to support the accelerated development and fielding of CM systems within the DoD.</p> <p><b><i>FY 2022 to FY 2023 Increase/Decrease Statement:</i></b> FY 2023 programmatic increase from FY 2022 reflects restoral of the Joint Test and Evaluation program funding.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	69.939	42.648	57.718

	FY 2021	FY 2022
<b><i>Congressional Add:</i></b> Program Increase: Lab and Test Range Upgrades	-	25.000
<b><i>FY 2022 Plans:</i></b> The program increase will fund Operational Test and Evaluation investments in test infrastructure to demonstrate new capabilities under operationally relevant conditions against realistic threats for lab and test range upgrades in the following: directed energy and targets.		
<b>Congressional Adds Subtotals</b>	-	25.000

**C. Other Program Funding Summary (\$ in Millions)**  
N/A

**Remarks**

**D. Acquisition Strategy**  
N/A