Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Office of Secretary Of Defense

Appropriation/Budget Activity

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 2:

Applied Research

R-1 Program Element (Number/Name)

Date: March 2014

PE 0602234D8Z I Lincoln Laboratory

4-1												
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	34.444	32.637	41.868	51.875	-	51.875	53.993	53.459	55.628	62.303	Continuing	Continuing
P534: Lincoln Laboratory	27.877	29.048	32.865	41.846	-	41.846	44.707	43.634	49.709	55.450	Continuing	Continuing
P535: Technical Intelligence	3.687	3.263	8.638	10.029	_	10.029	9.286	9.825	5.919	6.853	Continuing	Continuing
P536: Testbed for Comparative Analysis	2.880	0.326	0.365	-	-	-	-	-	-	-	Continuing	Continuing

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

A. Mission Description and Budget Item Justification

The Lincoln Laboratory (LL) research line program is an advanced technology research and development effort conducted through a cost reimbursable contract with the Massachusetts Institute of Technology (MIT). The LL Program funds innovations that directly lead to the development of new system concepts, technologies, components and materials in support of Lincoln Laboratory's missions in Advanced Electronics Technology, Communications Systems, Intelligence, Cyber Security and Information Sciences, Surveillance and Reconnaissance Systems and Technology, Tactical Systems, Space Control, and Air and Missile Defense. In FY 2013 the LL Program supported these missions by conducting research and development in five core science and engineering disciplines and four technical initiatives:

- Advanced Devices, with emphasis on development of materials, devices, and subsystems utilizing microelectronic, photonic, biological, and chemical technologies to enable new system approaches to Department of Defense (DoD) sensors.
- Optical Systems and Technologies, including the development of focal planes, integrated imagers, imaging and spectroscopic detection systems.
- RF Systems and Technologies, including the development of novel active and passive Radio Frequency (RF) sensors and development of electronic protection and electronics attack technologies and system concepts.
- Information, Computation, and Exploitation, which seeks to develop novel architectures, tools, and techniques for the processing, fusion, interpretation, computation, and exploitation of multi-sensor, multi-intelligence data.
- Cyber Security, includes developing technologies and new techniques for the protection of systems against cyber attack and exploitation.
- Technical Initiatives, include biological sciences to aid the warfighter and develop tools for biological research; autonomous systems technologies with the objective of developing mobile, autonomous, robotic platforms that demonstrate key capabilities needed for a wide range of defense applications; quantum information sciences to develop basic technologies that support the storage, transport, and computation of quantum information; and novel and engineered materials that utilize nanomanufacturing techniques to create meta or other materials with unique physical and optical properties not readily found in nature.

Supporting these and other priority technology and capability areas are work efforts entitled Technical Intelligence and Testbed for Comparative Analysis:

- Technical Intelligence is working to develop a comprehensive understanding of technology emergence and advancement in a range of relevant scientific areas such as nanotechnology, directed energy, and propulsion. Some details are classified, but one focus area is working to establish a broad horizon scanning and technology forecasting capability through a collaborative effort by the Department of Defense (DoD) and the Intelligence Community. This effort will develop insight into our relative position in science and technology around the world over time, as well as determine potential impacts on DoD capability development and future threat environments.

Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Office of Secretary Of Defense

Date: March 2014

Appropriation/Budget Activity

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 2: Applied Research

R-1 Program Element (Number/Name)

PE 0602234D8Z I Lincoln Laboratory

- The Testbed for Comparative Analysis will enable the evaluation of quantitative, horizon scanning and technology forecasting techniques for discovering disruptive technologies that may impact the DoD. This effort will provide the DoD with objective ways to evaluate the accuracy of existing and future horizon scanning and technology forecasting efforts.

B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	36.826	46.875	51.452	-	51.452
Current President's Budget	32.637	41.868	51.875	-	51.875
Total Adjustments	-4.189	-5.007	0.423	-	0.423
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-3.152	-5.000			
 Congressional Rescissions 	-0.049	-			
 Congressional Adds 	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-0.974	-			
Strategic Efficiency Savings	-	-	0.423	=	0.423
FFRDC Adjustments	-	-0.007	-	=	-
Other Program Adjustments	-0.014	-	-	-	-

Change Summary Explanation

The reduction is a strategic efficiency approach to reduce funding and staffing. As a result, we provide a better alignment of funding and provide support to a smaller military force.

UNCLASSIFIED
Page 2 of 12

Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense									Date: March 2014			
Appropriation/Budget Activity 0400 / 2					,				, ,	Project (Number/Name) P534 / Lincoln Laboratory		
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
P534: Lincoln Laboratory	27.877	29.048	32.865	41.846	-	41.846	44.707	43.634	49.709	55.450	Continuing	Continuing

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

A. Mission Description and Budget Item Justification

The Lincoln Laboratory (LL) research line program is an advanced technology research and development effort conducted through a cost reimbursable contract with the Massachusetts Institute of Technology (MIT). The LL Program funds innovations that directly lead to the development of new system concepts, technologies, components and materials in support of Lincoln Laboratory's missions in Advanced Electronics Technology, Communications Systems, Intelligence, Cyber Security and Information Sciences, Surveillance and Reconnaissance Systems and Technology, Tactical Systems, Space Control, and Air and Missile Defense. For FY 2013 the LL Program will support these missions by conducting research and development in five core science and engineering disciplines and four technical initiatives:

- Advanced Devices, with emphasis on development of materials, devices, and subsystems utilizing microelectronic, photonic, biological, and chemical technologies to enable new system approaches to Department of Defense (DoD) sensors.
- Optical Systems and Technologies, including the development of focal planes, integrated imagers, imaging and spectroscopic detection systems.
- RF Systems and Technologies, including the development of novel active and passive Radio Frequency (RF) sensors and development of electronic protection and electronics attack technologies and system concepts.
- Information, Computation, and Exploitation, which seeks to develop novel architectures, tools, and techniques for the processing, fusion, interpretation, computation, and exploitation of multi-sensor, multi-intelligence data.
- Cyber Security, includes developing technologies and new techniques for the protection of systems against cyber attack and exploitation.
- Technical Initiatives, include biological sciences to aid the warfighter and develop tools for biological research; autonomous systems technologies with the objective of developing mobile, autonomous, robotic platforms that demonstrate key capabilities needed for a wide range of defense applications; quantum information sciences to develop basic technologies that support the storage, transport, and computation of quantum information; and novel and engineered materials that utilize nanomanufacturing techniques to create meta or other materials with unique physical and optical properties not readily found in nature.

Supporting these and other priority technology and capability areas is a work effort titled Technical Intelligence. Technical Intelligence supports comprehensive understanding of technology emergence and advancement in a range of relevant scientific areas such as nanotechnology, directed energy, and propulsion. Some details are classified, but one collaborative effort by DoD and the Intelligence community is focused on establishing a broad horizon scanning and technology forecasting capability. This effort will develop insight over time into our relative position in science and technology around the world and potential impacts on capability development and future threat environments.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2013	FY 2014	FY 2015
Title: Information, Computation, and Exploitation Sciences	3.926	4.117	5.118
Description: Seeks to develop novel architectures, tools, and techniques for the processing, fusion, interpretation, computation, and exploitation of multi-sensor, multi-intelligence data.			

	UNCLASSII ILD					
Exhibit R-2A, RDT&E Project Justification: PB 2015 Off	ice of Secretary Of Defense	D	ate: N	1arch 2014		
Appropriation/Budget Activity 0400 / 2	• '	roject (Number/Name) 534 / Lincoln Laboratory				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2	013	FY 2014	FY 2015	
	zation and composability of video analytics engine. Developed graphs. Developed a data-intensive cloud analytics infrastructured unstructured datasets.	e to				
FY 2014 Plans: Begin demonstration of large-scale multi-intelligence data	fusion, exploitation, and visualization for specific application doma	ains.				
FY 2015 Plans: Continue demonstration of large-scale multi-intelligence da domains.	ata fusion, exploitation, and visualization for specific application					
Title: Cyber Security		;	3.595	3.770	4.19	
Description: Developing technologies and new technique	s for the protection of systems against cyber attack and exploitati	on.				
FY 2013 Accomplishments: Developed tools to improve cyber situation awareness and mission effectiveness. Developed automated methods to	d simulation environments to model the impact of cyber attacks or reverse engineer malicious computer codes.	1				
FY 2014 Plans: Evaluate cyber situational awareness tools on operational and develop strategies to maximize mission effectiveness.	networks. Evaluate the impact of cyber attacks on simulated net	works				
FY 2015 Plans: Continue to evaluate cyber situational awareness tools on simulated networks and develop strategies to maximize missing the strategies of the strategies are situational awareness.	operational networks and evaluate the impact of cyber attacks or ission effectiveness.	1				
Title: Advanced Devices			5.750	6.029	5.18	
Description: Development of materials, devices, and substechnologies to enable new system approaches to Departr	systems utilizing microelectronic, photonic, biological, and chemic ment of Defense (DoD) sensors.	al				
	VIR) imagers. Developed proof-of-concept, ultra-low power electrerogeneous integration into coherent analog systems. Demonstraction into directed energy systems.					
FY 2014 Plans:						

	UNCLASSIFIED						
Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense Date: March 2014							
Appropriation/Budget Activity 0400 / 2		oject (Number/Name) 34 / Lincoln Laboratory					
B. Accomplishments/Planned Programs (\$ in Millions)	FY 2013	FY 2014	FY 2015				
Fabricate and test new SWIR imagers. Develop design and pro- heterogeneous photonic component performance from the radio of directed energy laser components.		scaling					
FY 2015 Plans: Continue to test new SWIR imagers. Develop design and proce heterogeneous photonic component performance from the radio of directed energy laser components.		scaling					
Title: Optical Systems			4.816	5.051	6.00		
Description: Development of focal planes, integrated imagers,	imaging and spectroscopic detection systems.						
FY 2013 Accomplishments: Developed optical systems and components for space surveilla efficiency mid-wavelength infrared (MWIR) and long-wavelength concepts for extending the range of coherent laser radars.							
FY 2014 Plans: Continue technology development and evaluate performance of efficiency MWIR/LWIR transmitters. Develop components for continue technology development and evaluate performance of efficiency MWIR/LWIR transmitters.		1-					
FY 2015 Plans: Continue technology development and evaluate performance of efficiency MWIR/LWIR transmitters. Develop components for continue technology development and evaluate performance of efficiency MWIR/LWIR transmitters.		1-					
Title: Radio Frequency (RF) Systems			4.895	5.134	3.38		
Description: Development of novel active and passive RF sensattack technologies and system concepts.	sors and development of electronic protection and electronic	s					
FY 2013 Accomplishments: Completed fabrication and testing of a high-performance, low-p concepts to extend the linearity of RF analog devices. Design a channelized RF receivers. Developed RF techniques for electrons.	and fabricate photonic components needed for massively						
FY 2014 Plans:							

	UNCLASSIFIED							
Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense Date: March 2014								
Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602234D8Z I Lincoln Laboratory		roject (Number/Name) 534 / Lincoln Laboratory					
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2013	FY 2014	FY 2015			
Design next generation RF receiver chips with enhanced linearity. receiver. Design and fabricate new RF components.	Test components for massively channelized photonic RF	-						
FY 2015 Plans: Test next generation RF receiver chips with enhanced linearity. Te receiver. Design and fabricate new RF components.	est components for massively channelized photonic RF							
Title: Technical Initiatives			6.066	8.764	12.965			
Description: Technical Initiatives includes: Biological sciences to Autonomous systems technologies with the objective of developing key capabilities needed for a wide range of defense applications. On that support the storage, transport, and computation of quantum information techniques to create meta or other materials with unconstitution.	mobile, autonomous, robotic platforms that demonstrate Quantum information sciences to develop basic technolog formation. Novel and engineered materials that utilize na	e gies ino-						
FY 2013 Accomplishments: Biosciences: Grew techniques and platforms for synthetic biology tools and methods for rapid assessment of traumatic brain injury. I physiological load monitoring. Autonomous systems: Focused on cognitive robotics (including demonstration) and multi-unmanned a mission operations. Quantum Information Sciences: Focused on of quantum protected communications. Novel and Engineered Mat properties in support of the development of high-frequency, tunable and test miniature broad-band antennas utilizing negative index of	Developed low Size, Weight and Power (SWaP) tools for growth of shared-perception for autonomous systems, erial vehicle/unmanned ground vehicle (UAV/UGV) coopdemonstration of multi-qubit computation and developmenterials: Developed meta material designs and test materials mirrors in the mid to long-wave infrared. Developed designs and test materials.	erative nt ial						
FY 2014 Plans: Biosciences: Conduct synthetic biology research, focusing on digit assessment of traumatic brain injury. Evaluate low Size, Weight ar Autonomous systems: Develop hardware optimized for autonomou Narrow focus of qubit research to one or more competing schemes Demonstrate quantum protected communications. Novel and Engithe mid to long-wave infrared. Test miniature broad-band antennations.	nd Power (SWaP) tools for physiological load monitoring. us control and planning. Quantum Information Sciences: Focus on demonstration of multi-qubit computation. neered Materials: Develop high-frequency, tunable mirro							
FY 2015 Plans: Biosciences: Conduct synthetic biology research, focusing on digit assessment of traumatic brain injury. Evaluate low Size, Weight ar Autonomous systems: Develop hardware optimized for autonomous Narrow focus of qubit research to one or more competing schemes	nd Power (SWaP) tools for physiological load monitoring. us control and planning. Quantum Information Sciences:							

Exhibit R-2A, RDT&E Project Justification: PB 2015 Off	ice of Secretary Of Defense	Dat	e: March 2014	
Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602234D8Z / Lincoln Laboratory	e) Project (Number/Name) P534 I Lincoln Laboratory		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 201	3 FY 2014	FY 2015
Demonstrate quantum protected communications. Novel at the mid to long-wave infrared. Test miniature broad-band	and Engineered Materials: Develop high-frequency, tunable mirro antennas.	ors in		
Title: Applied Research Analyses for Advancing S&T Prior			5.000	
and experiments across a wide range of complex systems priorities, natural disasters, and dwindling federal resource timely and cost-effective military defense of the nation. LL	ram will include an additional project area to support studies, anal problems that face the DoD. Emerging conflicts, shifting global es, to name a few, are all factors that will tax our ability to provide will develop an agile analytical and experimental methodology for systems-engineering challenges and will reduce this method to profit Defense for Research and Engineering (ASD(R&E)).	a		
source of the problem, proposed solution space, cost, and experimentation and analyses to support specific courses	est to the DoD with the goal of providing a clear understanding of resources required to validate the proposed solutions, and condute of action. The objective of these studies are to provide quick and DoD specific short term conflict resolution and long term strategic	uct		
decision making.	Dob specific short term conflict resolution and long term strategic	'		

FY 2015 Plans:

Assess various time-critical problems of interest to the DoD with the goal of providing a clear understanding of the source of the problem, proposed solution space, cost, and resources required to validate the proposed solutions, and conduct experimentation and analyses to support specific courses of action. The objective of these studies are to provide quick and thorough reactive or proactive analyses that will aid in the DoD specific short term conflict resolution and long term strategic decision making.

Accomplishments/Planned Programs Subtotals 29.048 32.865 41.846

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense								Date: March 2014				
Appropriation/Budget Activity 0400 / 2					` ` ` `				, ,	Project (Number/Name) P535 / Technical Intelligence		
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO [#]	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
P535: Technical Intelligence	3.687	3.263	8.638	10.029	-	10.029	9.286	9.825	5.919	6.853	Continuing	Continuing

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

A. Mission Description and Budget Item Justification

- (U) The Technical Intelligence program provides global scientific and technological (S&T) awareness an understanding of relevant fields, developments, applications, and opportunities of S&T topics in order to assist decision-makers in the Office of the Assistant Secretary for Research and Engineering (OASD(R&E)) to prepare for an uncertain future.
- (U) The Technical Intelligence program provides this support through three over-arching areas: Current Threat and Capability Estimates, Technical Watch and Horizon Scanning (TW/HS), and Technical Assessments. The current threat and capability estimate focus area coordinates with multiple U.S. government agencies to characterize today's global S&T environment to include threats and opportunities using intelligence-derived and open source information as well as developing proof-of-concept systems to address identified threats. The TW/HS focus area identifies nascent and disruptive technologies that will shape the future S&T landscape through novel TW/HS tools and engagement with international partners. The technical assessment focus area identifies the military relevance, research opportunities, and policy recommendations for existing and future technologies. Each of these areas is supported by a robust outreach program.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2013	FY 2014	FY 2015
Title: Technical Intelligence	3.263	8.638	10.029
Description: The Technical Intelligence program provides global scientific and technological (S&T) awareness – an understanding of relevant fields, developments, applications, and opportunities of S&T topics – in order to assist decision-makers in the Office of the Assistant Secretary for Research and Engineering (OASD(R&E)) to prepare for an uncertain future.			
FY 2013 Accomplishments: (U) In FY2013, the Technical Intelligence program focused on programs which aligned with the Office of Technical Intelligence's (OTI) focus areas: Current Threat and Capability Estimates, Technology Watch and Horizon Scanning, and Technical Assessments. Specifically: • (U//FOUO) JASON Program: sponsored three JASON studies on national security topics: 1) Hypersonic Synthetic Aperture Radar (SAR); 2) Missile Threat; and 3) Space Intelligence. The study results are classified. • (U//FOUO) AS-US Bilateral Program: sponsored multiple DSTO studies that include Agile Manufacturing, Cold Atom Technology, Metamaterials, Future Technologies in Synthetic Biology, Attitude Toward Application of Biotechnologies to Humans, Cognitive Neuroscience and Augmentation, Efficient Heuristics for Hamiltonian Cycle Problem, and Batteries Deep Dive Study.			

	UNCLASSII ILD				
Exhibit R-2A, RDT&E Project Justification: PB 2015 Offi		Date: N	larch 2014		
Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602234D8Z I Lincoln Laboratory	Project (N P535 / Tec			
B. Accomplishments/Planned Programs (\$ in Millions)		FY	2013	FY 2014	FY 2015
,	efforts to support the technical assessment program. Assessment nce modifications, synthetic biology, and quantum magnetometers classification levels.				
Current Threat and Capability Estimates, TW/HS, and Tecl • (U//FOUO) Morning Express Program: OTI will sponsor infrastructure from attack. Additional information on this ef • (U) JASON Program: OTI will sponsor the JASON group problems. The topic areas include metamaterials, photonic • (U) Open-Source Capability Development: OTI will comp OASD(R&E) S&T News Bulletin which showcase S&T new • (U) Technical Assessment Program: will sponsor multiple	the development of a countermeasure system(s) to protect forces fort is at a higher classification level. to support focused technical assessments on defense relevant cs, and autonomy.	and			
Current Threat and Capability Estimates, TW/HS, and Tecl • (U//FOUO) OTI will identify additional areas to explore pr development of an electronic countermeasure system(s) to these effort are at a higher classification level. • (U) OTI will sponsor the JASON group to support focuse • (U) OTI will sponsor efforts to continue the development alternate TW/HS tool exploitation.	coof-of-concept counter measure development. : OTI will sponsor to protect forces and infrastructure from attack. Additional information	ne on on			
	Accomplishments/Planned Programs Sub	totals	3.263	8.638	10.0

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

N/A

Remarks

D. Acquisition Strategy

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2015 Office	Date: March 2014			
Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602234D8Z I Lincoln Laboratory	Project (Number/Name) P535 I Technical Intelligence		
E. Performance Metrics				
N/A				

Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of De)efense				Date: March 2014			
Appropriation/Budget Activity 0400 / 2				R-1 Program Element (Number/Name) PE 0602234D8Z I Lincoln Laboratory				Project (Number/Name) P536 / Testbed for Comparative Analysis				
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
P536: Testbed for Comparative Analysis	2.880	0.326	0.365	-	-	-	-	-	-	-	Continuing	Continuing

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

A. Mission Description and Budget Item Justification

(U) The Testbed for Comparative Analysis program supports the Technical Watch and Horizon Scanning (TW/HS) efforts within the Office of Technical Intelligence (OTI). The TW/HS focus area identified nascent and disruptive technologies that will shape the future S&T landscape through the exploitation of novel TW/HS tools. The Testbed for Comparative Analysis program provides OTI the ability to quantitatively and qualitatively test and evaluate techniques for technology forecasting and horizon scanning.

B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015
Title: Testbed for Comparative Analysis	0.326	0.365	-
Description: (U) The Testbed for Comparative Analysis program supports the Technical Watch and Horizon Scanning (TW/HS) efforts within the Office of Technical Intelligence (OTI). The TW/HS focus area identified nascent and disruptive technologies that will shape the future S&T landscape through the exploitation of novel TW/HS tools. The Testbed for Comparative Analysis program provides OTI the ability to quantitatively and qualitatively test and evaluate techniques for technology forecasting and horizon scanning.			
 FY 2013 Accomplishments: (U) In FY2013, the Testbed for Comparative Analysis program supports efforts which aligned with the TW/HS focus area. Specifically: (U) Tech Watch and Horizon Scanning Pilot System: OTI sponsored two efforts in the continuation of the TW/HS automated system development effort. These efforts included the purchasing of SCOPUS data to support the query sets of the TW/HS pilot system and technical support from GTRI and NSWC in the development of a request for information to industry, academia, and government research centers/laboratories in identifying a solution to developing an automated TW/HS operating system. 			
 FY 2014 Plans: (U) In FY2014, the Testbed for Comparative Analysis program will continue to focus on supporting efforts which align with the TW/HS. Specifically: (U) TW/HS Pilot System Development: OTI will continue to sponsor efforts towards developing an autonomous TW/HS prototype operating system which may provide early identification of emerging and developing technologies. (U) TW/HS Tool Exploitation: OTI will sponsor efforts on exploiting TW/HS tools to 1) identify existing and unrecognized patterns; specifically providing insight into non-obvious relationships, using open source information; and 2) develop a better 			

Exhibit R-2A, RDT&E Project Justification: PB 2015 Office of Secretary Of Defense				Date: March 2014				
Appropriation/Budget Activity 0400 / 2	R-1 Program Element (Number/Name) PE 0602234D8Z I Lincoln Laboratory	Project (Number/Name) P536 / Testbed for Comparative Analysis						
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2013	FY 2014	FY 2015			

understanding on how to incorporate private-sector data analysis regarding technology development, trends, and potentially disruptive developments. **Accomplishments/Planned Programs Subtotals** 0.326 0.365

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A