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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Office of the Secretary Of Defense **Date:** February 2015

Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0604775D8Z I Defense Rapid Innovation Program							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	418.008	175.000	225.000	-	-	-	-	-	-	-	Continuing	Continuing
P775: Defense Rapid Innovation Program	418.008	175.000	225.000	-	-	-	-	-	-	-	Continuing	Continuing

A. Mission Description and Budget Item Justification

The National Defense Authorization Act (NDAA) for FY2015 and the Consolidated Appropriations Act, 2015, provide the Department of Defense with authorities and funds to facilitate the rapid insertion of innovative technologies into military systems and programs. The purpose of the DoD-wide Rapid Innovation Fund (RIF) program is to perform a solicitation, evaluation and award of contracts that support the aforementioned Congressional authorities and support the DoD goals of emphasis on rapid, responsive acquisition and engagement of small, innovative businesses in solving defense challenges.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	175.000	-	-	-	-
Current President's Budget	175.000	225.000	-	-	-
Total Adjustments	-	225.000	-	-	-
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	225.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			

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

Project: P775: Defense Rapid Innovation Program

Congressional Add: Defense Rapid Innovation Fund

	FY 2014	FY 2015
Congressional Add Subtotals for Project: P775	175.000	225.000
Congressional Add Totals for all Projects	175.000	225.000

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Office of the Secretary Of Defense										Date: February 2015		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0604775D8Z / Defense Rapid Innovation Program				Project (Number/Name) P775 / Defense Rapid Innovation Program			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
P775: Defense Rapid Innovation Program	418.008	175.000	225.000	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The National Defense Authorization Act (NDAA) for FY2015 and the Consolidated Appropriations Act, 2015, provide the Department of Defense with authorities and funds to facilitate the rapid insertion of innovative technologies into military systems and programs. The purpose of the DoD-wide Rapid Innovation Fund (RIF) program is to perform a solicitation, evaluation and award of contracts that support the aforementioned Congressional authorities and support the DoD goals of emphasis on rapid, responsive acquisition and engagement of small, innovative businesses in solving defense challenges.

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

	FY 2014	FY 2015
Congressional Add: Defense Rapid Innovation Fund	175.000	225.000
FY 2014 Accomplishments: Funds will be used for research and development in the key areas defined by the Army, Navy, Air Force and various Agencies/Programs within the Office of the Secretary of Defense. Investments are targeted to defense requirements within the budget year of execution. For example, in FY 2011-FY 2012, the emphasis was on responding to urgent operational issues in support of ongoing global operations, including Afghanistan. In FY 2013-FY 2014, requirements migrated to supporting better buying power, providing an avenue for technology innovation and refresh for legacy defense acquisition programs. Some capabilities enabled to date include: 1) the Army Advanced Combat Surveillance Kit, a lightweight, low-power sensor for unattended, localization and tracking of dismounts and vehicles in challenging operational environments; 2) the Navy's Port Security Barrier Intrusion Detection System, which uses an optic-electronic alarm and software system that monitors gates to ensure threats cannot exploit undetected gaps; 3) the Air Force Lightweight Tactical Suitcase Portable Receive Suite, which enables deployed military forces to access global broadcast systems for satellite imagery, weather info, map data, classified and unclassified intelligence; and 4) the US Special Operations Command's Multi-Missile Common Launch Tube, which doubles the number of targets that can be engaged from the same platform, with increased precision that minimizes collateral damage.		
FY 2015 Plans: Funds will be used for research and development in the key areas defined by the Army, Navy, Air Force and various Agencies/Programs within the Office of the Secretary of Defense. Investments are targeted to defense requirements within the budget year of execution. The defense wide focus areas for the FY2015 Rapid Innovation Fund Program include; 1) Deliver near term, emerging technologies to enhance the		

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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015
capabilities for current Military operations; 2) Innovative technologies that enhance position, navigation, timing accuracies, improve targeting/delivery in GPS-denied environments and prevent exploitation of systems lost in denied areas (e.g., anti-tamper capabilities); 3) Develop and demonstrate breakthrough technologies for future Military capabilities. FY2015 funds will be distributed evenly between the services (Army, Navy, Air Force) and the 4th estate agencies.		
Congressional Adds Subtotals	175.000	225.000

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

Remarks

D. Acquisition Strategy
N/A

E. Performance Metrics
Each RIF project is evaluated at its conclusion based on two measures: 1) technical performance, or extent the RIF project is meeting its technical goals, with an assessment of cost, schedule, and deliverables against stated objectives; and 2) transition status, or the extent to which an acquisition program or customer has been identified and is participating in procuring the technology, assuming the RIF project is successful.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Office of the Secretary Of Defense													Date: February 2015		
Appropriation/Budget Activity 0400 / 4						R-1 Program Element (Number/Name) PE 0604775D8Z / Defense Rapid Innovation Program				Project (Number/Name) P775 / Defense Rapid Innovation Program					

Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army, Navy, Air Force, Fourth Estate	C/FFP	Various : Various	418.008	101.850		131.625		-		-		-	-	651.483	-
Subtotal			418.008	101.850		131.625		-		-		-	-	651.483	-

Remarks
 Provided, That of the funds made available in this paragraph, \$225,000,000 for the Defense Rapid Innovation Program shall only be available for expenses, not otherwise provided for, to include program management and oversight, to conduct research, development, test and evaluation to include proof of concept demonstration; engineering, testing, and validation; and transition to full-scale production

Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army, Navy, Air Force, Fourth Estate	C/FFP	Various : Various	0.000	67.900		86.625		-		-		-	-	154.525	-
Subtotal			0.000	67.900		86.625		-		-		-	-	154.525	-

Remarks
 Provided, That of the funds made available in this paragraph, \$225,000,000 for the Defense Rapid Innovation Program shall only be available for expenses, not otherwise provided for, to include program management and oversight, to conduct research, development, test and evaluation to include proof of concept demonstration; engineering, testing, and validation; and transition to full-scale production

Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army, Navy, Air Force, Fourth Estate	C/FFP	Various : Various	0.000	5.250		6.750		-		-		-	-	12.000	-
Subtotal			0.000	5.250		6.750		-		-		-	-	12.000	-

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			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			418.008	175.000		225.000		-		-		-	-	818.008	-

Remarks

The defense wide focus areas for the FY2015 Rapid Innovation Fund Program include: 1) Deliver near-term, emerging technologies to enhance the capabilities for current military operations; 2) Innovative technologies that enhance position, navigation, timing accuracies, improve targeting/delivery in GPS-denied environments and prevent exploitation of systems lost in denied areas (e.g., anti-tamper capabilities); 3) Develop and demonstrate breakthrough technologies for future military capabilities. FY2015 funds will be distributed evenly between the Services (Army, Navy, Air Force) and the fourth estate agencies.

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Office of the Secretary Of Defense		Date: February 2015
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Rapid Innovation Fund (RIF) Program (Milestones: 2014 Funding Execution)

As Of: May 22, 2014

Date(s)	Action
January 3, 2014 January 17, 2014	<ul style="list-style-type: none"> FY 2014 National Defense Authorization Act Signed FY 2014 Consolidated Appropriations Act Signed
February 1 – May 22, 2014	<ul style="list-style-type: none"> OSD Issues 2014 Implementation Guidelines Components develop requirements aligned to Defense-Wide focus areas OSD & Components collaborate for single BAA prep and establish portal(s) requirements
May 23 – June 23, 2014	BAA Pre-Release in FEBIZOPPs (links posted at other portals / websites) <ul style="list-style-type: none"> Open period for public discussion with Defense technical PoCs
June 24, 2014 July 9, 2014 July 18, 2014	BAA Opens, Begin Accepting White Papers <ul style="list-style-type: none"> Public discussion limited to formal questions submitted to RIF Portal Portal closes to new questions Answers to all formal questions posted
August 8, 2014	BAA Closes: White Papers (WPs) due from offerors
NLT December 18, 2014	<ul style="list-style-type: none"> Components complete WP evaluations Source selection authority establishes initial priorities & ranking
NLT January 9, 2015	Components notify all offerors & invite full proposals
NLT February 13, 2015	Full proposals due from offerors (about 30 days after invite)
NLT March 20, 2015	Components evaluate full proposals / complete ranking
NLT August 1, 2015	Complete proposal negotiations & contract awards

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Office of the Secretary Of Defense			Date: February 2015
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Army, Navy, Air Force, Fourth Estate	2	2015	4	2015