

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Office of the Secretary Of Defense **Date:** February 2016

Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>
---	---

COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	593.008	224.910	250.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
<i>P775: Defense Rapid Innovation Program</i>	593.008	224.910	250.000	0.000	-	0.000	0.000	0.000	0.000	0.000	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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	225.000	0.000	0.000	-	0.000
Current President's Budget	224.910	250.000	0.000	-	0.000
Total Adjustments	-0.090	250.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	0.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	250.000			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-0.090	-			
• 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 2015	FY 2016
	224.910	250.000
Congressional Add Subtotals for Project: P775	224.910	250.000
Congressional Add Totals for all Projects	224.910	250.000

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Office of the Secretary Of Defense										Date: February 2016		
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 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
<i>P775: Defense Rapid Innovation Program</i>	593.008	224.910	250.000	0.000	-	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The National Defense Authorization Act (NDAA) for FY2016 and the Consolidated Appropriations Act, 2016, 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 2015	FY 2016
Congressional Add: Defense Rapid Innovation Fund	224.910	250.000
<p>FY 2015 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. 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 4th estate agencies.</p> <p>FY 2016 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 FY2016 Rapid Innovation Fund Program include: 1) Deliver near term, emerging technologies to enhance the capabilities for current military operations, e.g., for soldier force protection, for anti-access / area denial operations, or for other near-term solutions that improves ongoing support to the forces; 2) Innovative technologies that enhance the affordability of defense operations, e.g., reduce the cost and footprint of fielded weapon systems, extend system life of aging platforms, or improve interoperability for portable, modular scalable and secure systems; and 3) Develop and demonstrate breakthrough technologies for future military capabilities, e.g., assured communications in space and man-made environments, improved position, navigation, sensors</p>		

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2017 Office of the Secretary Of Defense		Date: February 2016
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) P775 / <i>Defense Rapid Innovation Program</i>

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2015	FY 2016
and sensor processing in GPS-denied environments, or for countering unmanned air or underwater systems. FY 2016 funds will be distributed using a merit-based competitive process that considers the highest priority funding candidates across the military services (Army, Navy, Air Force), the 4th estate agencies, and key Combatant Commands. Preferences will be given to funding small business proposals through a competitive broad agency announcement process.		
Congressional Adds Subtotals	224.910	250.000

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.

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Office of the Secretary Of Defense **Date:** February 2016

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) P775 / <i>Defense Rapid Innovation Program</i>
--	---	--

Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Army, Navy, Air Force, Fourth Estate	C/FFP	Various : Various	499.723	131.625		146.309		-		-		-	0	777.657	-
Subtotal			499.723	131.625		146.309		-		-		-	0.000	777.657	-

Remarks
The defense wide focus areas for the FY2016 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. FY2016 funds will be distributed evenly between the Services (Army, Navy, Air Force) and the fourth estate agencies.

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Army, Navy, Air Force, Fourth Estate	C/FFP	Various : Various	86.625	86.625		96.288		-		-		-	0.00	269.538	-
Subtotal			86.625	86.625		96.288		-		-		-	0.000	269.538	-

Remarks
Provided, That of the funds made available in this paragraph, \$250,000,000 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 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Army, Navy, Air Force, Fourth Estate	C/FFP	Various : Various	6.660	6.660		7.403		-		-		-	0	20.723	-
Subtotal			6.660	6.660		7.403		-		-		-	0.000	20.723	-

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Office of the Secretary Of Defense **Date:** February 2016

Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) P775 / <i>Defense Rapid Innovation Program</i>
--	---	--

	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	593.008	224.910	250.000	-	-	-	0.000	1,067.918	-

Remarks

The defense wide focus areas for the FY2016 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. FY2016 funds will be distributed evenly between the Services (Army, Navy, Air Force) and the fourth estate agencies.

Established in Section 1073 of the FY 2011 National Defense Authorization Act (NDAA), the Rapid Innovation Program is a competitive, merit-based program designed to accelerate the fielding of innovative technologies into military systems pursuant to Small Business Innovative Research (SBIR) phase II projects, Technologies developed by the Department of Defense (DoD) laboratories and Other innovative technologies, including dual-use & Independent Research & Development (IRAD) technologies. The NDAA for FY2016 and the Consolidated Appropriations Act, 2016, extends RIP authorities to September 2023 and provides the Department of Defense.

There is a two-step competitive process for participation in the program. Industry is invited to submit white papers that meet the congressional and DoD criteria. Once those white papers have been reviewed the highest ranking white papers are selected and invited to submit full proposals for consideration (there is no guarantee of an award). Those full proposal go through a review and again the highest ranking full proposals are selected for negotiation and ultimately award.

Currently the review of the highest ranking proposals to receive FY15 funding have recently concluded (1 FEB 2016). FY16 funds and projects have not yet begun. The FY15 schedule is as follows:

- 1 March 2015 Requirements from Components, prep DRAFT BAA
- 15 April 2015 BAA Release in FEDBIZOPPs (link to be provided)
- 15 June 2015 BAA Closes: White Papers (WPs) due from offerors
- 15 October 2015 Components complete WP evaluations Initial priorities and ranking by Components
- 2 November 2015 Components notify all offerors of WP disposition, invite full proposals
- 1 December 2015 Full proposals due from offerors Components start full proposal evaluations
- 1 February 2016 Components complete full proposal evaluations
- 1 March 2016 Negotiations complete, contract awards
- 1 June 2016 FY15 funded RIF contract awards complete

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2017 Office of the Secretary Of Defense		Date: February 2016
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) P775 / <i>Defense Rapid Innovation Program</i>

Rapid Innovation Fund (RIF) Program (Milestones: 2016 Funding Execution)

Date	Action
1-15 February 2016	Requirements from defense components, publish implementation guidelines, acquisition plan approved, prepare draft Broad Agency Announcement (BAA)
1 March 2016	BAA released in Federal Business Opportunities (FEDBIZOPPs)
1 May 2016	BAA closes, White Papers (WPs) due from offerors
1 September 2016	Components complete WP evaluations, source selection officials priorities established with WP ranking by components
1 October 2016	WP notifications to all vendors, invitation or requests for full proposals
1 November 2016	Full proposals due from offerors, components start full proposal evaluations
1 January 2017	Components complete full proposal evaluations
1 February 2017	Components initiate contract negotiations and begin contract awards
1 May 2017	FY16-funded RIF contract awards complete

UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2017 Office of the Secretary Of Defense		Date: February 2016
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604775D8Z / <i>Defense Rapid Innovation Program</i>	Project (Number/Name) P775 / <i>Defense Rapid Innovation Program</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Army, Navy, Air Force, Fourth Estate	2	2016	4	2016

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED