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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Office of the Secretary Of Defense **Date:** May 2017

Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide I BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 Program Element (Number/Name) PE 0604331D8Z I Rapid Prototyping Program
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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	100.000	-	100.000	100.000	100.000	100.000	100.000	Continuing	Continuing
638: Rapid Prototyping Program	-	0.000	0.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	Continuing	Continuing
639: Rapid Prototyping Program - Congressional Add	-	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Continuing	Continuing

Note

This is a new program element in FY 2018.

A. Mission Description and Budget Item Justification

This program provides funds to develop prototypes that drive down technical and integration risk; obtain warfighter feedback and result in affordable and realistic requirements. The program supports the development of fieldable prototypes that can be demonstrated in an operational environment in timelines supportive of warfighter requirements.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	100.000	0.000	100.000
Total Adjustments	0.000	0.000	100.000	0.000	100.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustment to Budget Years	-	-	100.000	0.000	100.000

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

Project: 638: Rapid Prototyping Program

Congressional Add: None

Congressional Add Subtotals for Project: 638

Project: 639: Rapid Prototyping Program - Congressional Add

FY 2016	FY 2017
0.000	0.000
0.000	0.000

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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Office of the Secretary Of Defense		Date: May 2017	
Appropriation/Budget Activity 0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 4:</i> <i>Advanced Component Development & Prototypes (ACD&P)</i>		R-1 Program Element (Number/Name) PE 0604331D8Z <i>I Rapid Prototyping Program</i>	
Congressional Add Details (\$ in Millions, and Includes General Reductions)		FY 2016	FY 2017
Congressional Add: <i>N/A</i>		0.000	0.000
Congressional Add Subtotals for Project: 639		0.000	0.000
Congressional Add Totals for all Projects		0.000	0.000

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense										Date: May 2017		
Appropriation/Budget Activity 0400 / 4					R-1 Program Element (Number/Name) PE 0604331D8Z / <i>Rapid Prototyping Program</i>				Project (Number/Name) 638 / <i>Rapid Prototyping Program</i>			
COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
638: <i>Rapid Prototyping Program</i>	-	0.000	0.000	100.000	0.000	100.000	100.000	100.000	100.000	100.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification This project provides funds to develop prototypes to drive down technical and integration risk; obtain warfighter feedback and result in affordable and realistic requirements. The program supports the development of fieldable prototypes that can be demonstrated in an operational environment in timelines supportive of warfighter requirements.												
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
Title: Prototype Development Description: This effort funds prototype development to inform and facilitate the delivery of capabilities to the warfighter. A cross functional team, led by the Office of the Secretary of Defense for Research and Engineering, reviews and selects one or more prototyping proposal(s) from across the Department of Defense. FY 2018 Base Plans: This project will pursue one or more technology-enabled prototyping effort(s) focused on capability development and risk reduction for future programs of record.							-	-	100.000	-	100.000	
Accomplishments/Planned Programs Subtotals							-	-	100.000	-	100.000	
							FY 2016	FY 2017				
Congressional Add: None FY 2016 Accomplishments: N/A FY 2017 Plans: N/A							0.000	0.000				
Congressional Adds Subtotals							0.000	0.000				
C. Other Program Funding Summary (\$ in Millions) N/A Remarks												

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense		Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604331D8Z / <i>Rapid Prototyping Program</i>	Project (Number/Name) 638 / <i>Rapid Prototyping Program</i>
D. Acquisition Strategy N/A		
E. Performance Metrics N/A		

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2018 Office of the Secretary Of Defense		Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604331D8Z / <i>Rapid Prototyping Program</i>	Project (Number/Name) 638 / <i>Rapid Prototyping Program</i>
Remarks TBD		

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Exhibit R-4, RDT&E Schedule Profile: FY 2018 Office of the Secretary Of Defense			Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604331D8Z / <i>Rapid Prototyping Program</i>	Project (Number/Name) 638 / <i>Rapid Prototyping Program</i>	

	FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Prototype Development</i>																												
TBD																												

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Office of the Secretary Of Defense			Date: May 2017
Appropriation/Budget Activity 0400 / 4	R-1 Program Element (Number/Name) PE 0604331D8Z / <i>Rapid Prototyping Program</i>	Project (Number/Name) 638 / <i>Rapid Prototyping Program</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Prototype Development</i>				
TBD	1	2017	4	2017

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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
639: <i>Rapid Prototyping Program - Congressional Add</i>	-	0.000	0.000	0.000	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 N/A												
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
Title: N/A							0.000	0.000	0.000	0.000	0.000	
Description: N/A												
FY 2016 Accomplishments: N/A												
FY 2017 Plans: N/A												
FY 2018 Base Plans: N/A												
FY 2018 OCO Plans: N/A												
Accomplishments/Planned Programs Subtotals							0.000	0.000	0.000	0.000	0.000	
							FY 2016	FY 2017				
Congressional Add: N/A							0.000	0.000				
FY 2016 Accomplishments: N/A												
FY 2017 Plans: N/A												
Congressional Adds Subtotals							0.000	0.000				
C. Other Program Funding Summary (\$ in Millions) N/A												

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C. Other Program Funding Summary (\$ in Millions)		
<u>Remarks</u>		
<u>D. Acquisition Strategy</u> N/A		
<u>E. Performance Metrics</u> N/A		