Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force

Date: May 2017

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

3600: Research, Development, Test & Evaluation, Air Force I BA 7:

PE 1203620F I National Space Defense Center

Operational Systems Development

Specialisma: Systems 2 or oropinsm														
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	18.052	0.000	18.052	12.005	0.000	0.000	0.000	Continuing	Continuing		
67A035: Enterprise Space BMC2	-	0.000	0.000	18.052	0.000	18.052	12.005	0.000	0.000	0.000	Continuing	Continuing		
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-				

A. Mission Description and Budget Item Justification

In FY2018, this program element will develop Battle Management and Command and Control (BMC2) applications for the National Space Defense Center (NSDC) (formerly Joint Interagency Combined Space Operations Center (JICSpOC)). In addition, this element will develop hardware and software prototypes to support US Strategic Command Joint Emergent Operational Need (ST-0006) for an Accelerated BMC2 capability. The NSDC allows the national security space community to effectively respond to potential future space threat events and will have the capability to develop, test, and integrate new space system tactics, techniques and procedures (TTPs) in support of both DoD and Intelligence Community operations.

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	18.052	0.000	18.052
Total Adjustments	0.000	0.000	18.052	0.000	18.052
 Congressional General Reductions 	0.000	0.000			
 Congressional Directed Reductions 	0.000	0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 	0.000	0.000			
 Congressional Directed Transfers 	0.000	0.000			
Reprogrammings	0.000	0.000			
SBIR/STTR Transfer	0.000	0.000			
Other Adjustments	0.000	0.000	18.052	0.000	18.052

Change Summary Explanation

FY2018: \$18.052M to develop Battle Management and Command and Control (BMC2) applications for the National Space Defense Center (NSDC) (formerly JICSpOC).

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Title: BMC2 Applications	0.000	0.000	18.052	0.000	18.052

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Air Force

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Description: Develop and field Space Battlement Management and Command and Control capabilities.					
FY 2016 Accomplishments: NA					
FY 2017 Plans: NA					
FY 2018 Base Plans: Continue prototyping efforts to develop tools to fill capability gaps uncovered in experimentation.					
FY 2018 OCO Plans: NA					
Accomplishments/Planned Programs Subtotals	0.000	0.000	18.052	0.000	18.052

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

			FY 2018	FY 2018	FY 2018					Cost To	
Line Item	FY 2016	FY 2017	Base	OCO	<u>Total</u>	FY 2019	FY 2020	FY 2021	FY 2022	Complete	Total Cost
• NA: <i>NA</i>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000

Remarks

E. Acquisition Strategy

The Accelerated Space BMC2 JEON (ST-0006) is led by AFRL/RV and will utilize existing contracts e.g. Space Security and Defense Program (SSDP) and SMC/SY) and provide funds to other AF/DoD organizations to execute on their contracts. Additionally AFRL/RV will initiate and utilize commercial consortiums to develop capabilities.

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E I	Project C	ost Analysis: FY 2	018 Air F	orce								Date:	May 201	7		
Appropriation/Budget Activity 3600 / 7							R-1 Program Element (Number/Name) PE 1203620F I National Space Defense Center						Project (Number/Name) 67A035 / Enterprise Space BMC2			
Product Development (\$ in Millions)			FY 2016		FY 2017		FY 2018 Base		FY 2018 OCO		FY 2018 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	Total Cost	Target Value o Contrac	
SYSTEM ENGINEERING	Various	Various : Colorado Springs, CO	-	0.000		0.000		2.000	Oct 2017	0.000		2.000	Continuing	Continuing	-	
BMC2 APPLICATION DEVELOPMENT	Various	Various : Colorado Springs, CO	-	0.000		0.000		14.000	Oct 2017	0.000		14.000	Continuing	Continuing	-	
		Subtotal	-	0.000		0.000		16.000		0.000		16.000	-	-	-	
Support (\$ in Million	s)			FY 2	2016	FY 2	017	FY 2	2018 ise	FY 2	2018 CO	FY 2018 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	Total Cost	Target Value o Contrac	
		Subtotal	-	-		-		-		-		-	-	-		
Test and Evaluation	(\$ in Milli	ons)		FY 2	2016	FY 2	017		2018 ise	FY 2		FY 2018 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	Total Cost	Target Value o Contrac	
		Subtotal	-	-		-		-		-		-	-	-		
Management Service	es (\$ in M	illions)		FY 2	2016	FY 2	017	FY 2	2018 ise	FY 2		FY 2018 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	Total Cost	Target Value o Contrac	
A&AS	Various	Various : Colorado Springs, CO	-	0.000		0.000		0.500	Oct 2017	0.000		0.500	Continuing	Continuing	-	
FFRDC	SS/FP	Various : Colorado Springs, CO	-	0.000		0.000		1.552	Oct 2017	0.000		1.552	Continuing	Continuing	-	
	-	Subtotal	_	0.000		0.000		2.052		0.000		2.052	_	_	-	

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Exhibit R-3, RDT&E Project Cost Analysis: FY 2	2018 Air F	orce								Date:	May 2017	,	
Appropriation/Budget Activity 3600 / 7				R-1 Program Element (Number/Name) PE 1203620F I National Space Defense Center					Project (Number/Name) 67A035 / Enterprise Space BMC2				
	Prior Years	FY 20	016	FY 2	017	FY 2	2018 ise	FY 2		FY 2018 Total	Cost To	Total Cost	Target Value of Contract
Project Cost Totals	-	0.000		0.000		18.052		0.000		18.052	-	-	-

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Exhibit R-4, RDT&E Schedule Profile: FY 20	18 Air Force					Date: May 2	2017
Appropriation/Budget Activity 3600 / 7			1203620F / Natio	ent (Number/Nam onal Space Defen	,	t (Number/Nam 5 / Enterprise Sp	,
	EV 2016	EV 2017	EV 2018	EV 2019	EV 2020	EV 2021	FV 2022

4 1 2 3 4 1 1 2 3 2 3 4 1 2 3 2 3 1 2 BMC2 APPLICATION DEVELOPMENT

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Exhibit R-4A, RDT&E Schedule Details: FY 2018 Air Force	Date: May 2017		
,	, ,	, ,	umber/Name) Enterprise Space BMC2

Schedule Details

	Sta	art	End		
Events	Quarter	Year	Quarter	Year	
BMC2 APPLICATION DEVELOPMENT	1	2017	4	2019	

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