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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Air Force **Date:** February 2019

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 1206398F / <i>Space & Missile Systems Center - MHA</i>
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COST (\$ in Millions)	Prior Years	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	8.681	10.508	10.170	0.000	10.170	10.340	10.556	10.779	11.005	Continuing	Continuing
664280: <i>SMC Civilian Pay</i>	-	8.681	10.508	10.170	0.000	10.170	10.340	10.556	10.779	11.005	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Space and Missile Systems Center (SMC) equips US and allied forces with operational space and missile systems, launch systems, and command and control infrastructure in support of global military and national security operations. SMC operates with over 6,300 people and an annual budget exceeding \$6.4B providing joint warfighters navigation, communication, weather, warning, force application, and space control capabilities. In FY 2012, as an AF pilot initiative, SMC acquisition workforce civilian personnel funding was transferred from O&M to RDT&E, AF funds.

Program Element 1206398F, Project: 664281 Space and Missile Systems Center - Major Headquarters Activities (MHA) was established to improve overall performance, strengthen business operations, and achieve efficiencies, effectiveness and cost savings that can be transferred to higher priority needs.

Space acquisition must respond with speed and agility to emerging adversary threats. SMC is transforming the organization and implementation of space acquisition to an enterprise approach, maximizing innovation and resiliency, leveraging international, commercial, and mission partnerships, and managing program/project priorities according to an integrated unclassified/classified enterprise space architecture. Expanding the appropriate acquisition authorities and contract mechanisms to deliver capability sooner, SMC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose capabilities.

As directed in the FY 2018 NDAA, Sec 825, amendment to PL 114-92 FY 2016 NDAA, Sec 828 Penalty for Cost Overruns, the FY 2018 Air Force penalty total is \$14.373M. The calculated percentage reduction to each research, development, test and evaluation and procurement account will be allocated proportionally from all programs, projects, or activities under such account.

This program is in Budget Activity 6, RDT&E Management Support because this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

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B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	
Previous President's Budget	9.531	10.508	9.772	0.000	9.772	
Current President's Budget	8.681	10.508	10.170	0.000	10.170	
Total Adjustments	-0.850	0.000	0.398	0.000	0.398	
• 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	-0.850	0.000				
• SBIR/STTR Transfer	0.000	0.000				
• Difference Between the Current PB and the Previous PB	0.000	0.000	0.398	0.000	0.398	
Change Summary Explanation						
FY 2018: -\$0.850M for higher Air Force Space priorities						
FY 2020: \$0.398M increase for civilian pay repricing						
C. Accomplishments/Planned Programs (\$ in Millions)	FY 2018	FY 2019	FY 2020			
Title: SMC - Major Headquarters Activities	8.681	10.508	10.170			
Description: Provide professional government civilian acquisition workforce in support of all Space and Missile Systems Center Management Headquarters Activities. Rapidly respond to implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities may include, but are not limited to SMC Staff support, studies, technical analysis, prototyping, etc.						
FY 2019 Plans: Provide professional government civilian acquisition workforce in support of all Space and Missile Systems Center Management Headquarters Activities.						
FY 2020 Plans: Provide professional government civilian acquisition workforce in support of all Space and Missile Systems Center Management Headquarters Activities.						
FY 2019 to FY 2020 Increase/Decrease Statement: FY 2020 decreased compared to FY 2019 by \$0.338M due to repricing.						
Accomplishments/Planned Programs Subtotals				8.681	10.508	10.170

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