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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Air Force										Date: May 2017		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 1206860F I Rocket Systems Launch Program (SPACE)							
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	-	21.245	11.198	20.975	0.000	20.975	0.000	19.869	17.825	18.135	Continuing	Continuing
661023: Rocket System Launch Program (RSLP)	-	21.245	11.198	20.975	0.000	20.975	0.000	19.869	17.825	18.135	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

## Note

In FY2018, PE 0605860F, Rocket Systems Launch Program efforts were transferred to PE 1206860F, Rocket Systems Launch Program due to the creation of a new Major Force Program for Space. FY2016 and FY2017 funding is now documented in the exhibits for PE 1206860F.

## A. Mission Description and Budget Item Justification

Rocket Systems Launch Program (RSLP) provides responsive space and Research, Development, Test and Evaluation (RDT&E) launch vehicle support to DoD and other government agencies using commercial launch systems and excess ballistic missile assets. The RSLP mission was established by the Secretary of Defense in 1972. It provides mission planning, payload integration, vehicle acquisition, processing, launch operations, booster storage and disposition, aging surveillance, maintenance and logistics support for selected DoD responsive space and RDT&E launches. Costs directly attributable to a specific launch or program (e.g. reliability of flight testing, maintenance of launch vehicle processing infrastructure) are paid by the user (Air Force, Navy, Army, Missile Defense Agency (MDA), Defense Advanced Research Project Agency (DARPA), National Reconnaissance Office (NRO), etc.). RSLP maintains exclusive control of deactivated Minuteman and Peacekeeper assets used in testing to include refurbishment, transportation and handling, storage, aging surveillance, and launch services. RSLP also funds general research, development, and supplemental reliability of flight testing efforts for launch to enhance the reliability of the Minotaur and other fleet vehicles (e.g., updates to the Modular Mechanical Ordnance Destruct System).

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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	
Previous President's Budget	21.792	11.198	20.914	0.000	20.914	
Current President's Budget	21.245	11.198	20.975	0.000	20.975	
Total Adjustments	-0.547	0.000	0.061	0.000	0.061	
• 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	-0.547	0.000				
• Other Adjustments	0.000	0.000	0.061	0.000	0.061	
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2016	FY 2017	FY 2018
Title: Storage/Refurbishment/Demil				16.901	6.947	16.160
Description: Storage, refurbishment, inventory control, and demil/disposal of deactivated Minuteman, Peacekeeper and other missile flight test assets						
FY 2016 Accomplishments: Continued storage, refurbishment, inventory control, and demil/disposal of deactivated Minuteman, Peacekeeper and other missile flight test assets and performed research and development support operations as required. Investigated and developed shipping throughput capacity to maximize opportunity for motor disposal. Continued support activities such as, but not limited to sustainment and refurbishment of support equipment, mission support, special studies, etc.						
FY 2017 Plans: Continue storage, refurbishment, inventory control, and demil/disposal of deactivated Minuteman, Peacekeeper and other missile flight test assets and perform research and development support operations as required. Investigate and develop shipping throughput capacity to maximize opportunity for motor disposal. Continue support activities such as, but not limited to sustainment and refurbishment of support equipment, mission support, special studies, etc.						
FY 2018 Plans: Continue storage, refurbishment, inventory control, and demil/disposal of deactivated Minuteman, Peacekeeper and other missile flight test assets and perform research and development support operations as required. Investigate and develop shipping throughput capacity to maximize opportunity for motor disposal. Continue support activities such as, but not limited to sustainment,						

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
replacement and refurbishment of support equipment, mission support, special studies, etc. Initiate support to extend certification period of refurbished motors.				
<b>Title:</b> Aging Surveillance <b>Description:</b> Perform aging surveillance-related activities on stored motors  <b>FY 2016 Accomplishments:</b> Continued performing aging surveillance-related activities on stored motors; continued performing analyses/studies to identify and evaluate potential safety-related issues affecting stored motors; continued program office support and related support activities such as, but not limited to mission support, special studies, etc.  <b>FY 2017 Plans:</b> Continue performing aging surveillance-related activities on stored motors; continue performing analyses/studies to identify and evaluate potential safety-related issues affecting stored motors; continue program office support and related support activities such as, but not limited to mission support, special studies, etc.  <b>FY 2018 Plans:</b> Continue performing aging surveillance-related activities on stored motors; continue performing analyses/studies to identify and evaluate potential safety-related issues affecting stored motors; continue program office support and related support activities such as, but not limited to mission support, special studies, etc.		4.049	4.251	4.215
<b>Title:</b> Other Launch Support Services <b>Description:</b> Perform launch services activities  <b>FY 2016 Accomplishments:</b> Completed SR19 requalification effort. Awarded the PolarCube cubesat launch to Spaceflight, Inc. as a rideshare to be launched within 24 months. PolarCube is an experimental cubesat sponsored by the AF Research Lab, to demonstrate the collection of temperature profiles through clouds.  <b>FY 2017 Plans:</b> Defer launch vehicle acquisition, processing, launch services support, mission assurance, and operations to launch RDT&E payloads.  <b>FY 2018 Plans:</b>		0.295	0.000	0.600

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>
Continue launch vehicle acquisition, processing, launch services support, mission assurance, and operations to launch RDT&E payloads.				
<b>Accomplishments/Planned Programs Subtotals</b>		21.245	11.198	20.975
<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b> N/A				
<b>F. Performance Metrics</b> 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.				