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**Exhibit R-2, RDT&E Budget Item Justification: PB 2017 Air Force** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> / BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605860F / <i>Rocket Systems Launch Program (SPACE)</i>
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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	-	33.420	21.792	11.198	0.000	11.198	20.914	19.861	17.817	18.133	Continuing	Continuing
661023: <i>Rocket System Launch Program (RSLP)</i>	-	33.420	21.792	11.198	0.000	11.198	20.914	19.861	17.817	18.133	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**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, 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.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
Previous President's Budget	34.364	21.858	17.295	0.000	17.295
Current President's Budget	33.420	21.792	11.198	0.000	11.198
Total Adjustments	-0.944	-0.066	-6.097	0.000	-6.097
• Congressional General Reductions	0.000	-0.066			
• 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	-0.944	0.000			
• Other Adjustments	0.000	0.000	-6.097	0.000	-6.097

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<b>Change Summary Explanation</b> FY2016: -\$0.066M for FFRDC FY2017: -\$6.097M for higher priority DoD programs				
<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
<b>Title:</b> Storage/Refurbishment/Demil		16.614	16.943	6.457
<b>Description:</b> Storage, refurbishment, inventory control, and demil/disposal of deactivated Minuteman, Peacekeeper and other missile flight test assets				
<b>FY 2015 Accomplishments:</b> 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. Replaced an aging Arm/Disarm switch with a new design that reduces component count and failure modes. Fully accounted for all RSLP rockets and equipment via item unique identification. Continued support activities such as, but not limited to sustainment and refurbishment of support equipment, mission support, special studies, etc.				
<b>FY 2016 Plans:</b> 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.				
<b>FY 2017 Plans:</b> 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.				
<b>Title:</b> Aging Surveillance		4.726	4.749	4.741
<b>Description:</b> Perform aging surveillance-related activities on stored motors				
<b>FY 2015 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				

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>
such as, but not limited to mission support, special studies, etc. Successfully conducted one Minuteman and two Peacekeeper motor static firings.  <b>FY 2016 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 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>Title:</b> Other Launch Support Services  <b>Description:</b> Perform launch services activities  <b>FY 2015 Accomplishments:</b> Completed vehicle acquisition, processing, launch services support, mission assurance, and launch operations to successfully launch NOAA's Deep Space Climate Observatory (DSCOVR) mission on February 11, 2015. Began launch vehicle acquisition, processing, launch services support, mission assurance, and operations to launch RDT&E payloads.  <b>FY 2016 Plans:</b> Complete SR19 requalification effort. Defer launch vehicle acquisition, processing, launch services support, mission assurance, and operations to launch RDT&E payloads.  <b>FY 2017 Plans:</b> Defer launch vehicle acquisition, processing, launch services support, mission assurance, and operations to launch RDT&E payloads. Defer use of motors for commercial rideshare of RDT&E payloads and to offset commercial data costs.		12.080	0.100	0.000
<b>Accomplishments/Planned Programs Subtotals</b>		33.420	21.792	11.198
<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A				
<b>Remarks</b>				
<b>E. Acquisition Strategy</b> N/A				

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**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.