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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2021 Missile Defense Agency **Date:** February 2020

<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
Total Program Element	1,558.391	300.000	300.000	300.000	-	300.000	300.000	300.000	300.000	300.000	Continuing	Continuing
MD26: <i>Arrow Weapon System</i>	511.645	163.000	159.000	173.000	-	173.000	173.000	173.000	173.000	173.000	Continuing	Continuing
MD34: <i>Short Range Ballistic Missile Defense (SRBMD) (David's Sling Weapon System (DSWS))</i>	1,046.746	137.000	141.000	127.000	-	127.000	127.000	127.000	127.000	127.000	Continuing	Continuing

**Program MDAP/MAIS Code:** 362

**Note**

Content supports expected contributions from Israel per international agreements.

**A. Mission Description and Budget Item Justification**

Since 1986, the United States (U.S.) and the State of Israel have cooperated on missile defense. Currently, the Missile Defense Agency (MDA) has two major projects with Israel to develop and improve their indigenous capability to defend against short and medium range ballistic missiles. These include the Arrow Weapon System (AWS) (MD26) and the Short-Range Ballistic Missile Defense, also known as the David's Sling Weapon System (MD34). Within these projects MDA along with Israeli Missile Defense Organization (IMDO) develops and produces weapon systems, conducts tests, and exercises interoperability between U.S. Ballistic Missile Defense System (BMDS) and the Israeli Missile Defense Architecture.

The U.S. and State of Israel entered into a Memorandum of Understanding (MOU) on September 2016, in which "Such funding, should over a ten year period beginning in FY 2019 and ending in FY 2028, be provided at a level of \$500 million per year." These funds will be distributed between the Israeli Programs in Research Development Test & Evaluation (RDT&E) and Procurement Funds.

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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2021 Missile Defense Agency	<b>Date:</b> February 2020
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<b>Appropriation/Budget Activity</b> 0400: <i>Research, Development, Test &amp; Evaluation, Defense-Wide / BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>
Previous President's Budget	300.000	300.000	300.000	-	300.000
Current President's Budget	300.000	300.000	300.000	-	300.000
Total Adjustments	0.000	0.000	0.000	-	0.000
• 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			
• Missile Defeat and Defense Enhancement	0.000	0.000	0.000	-	0.000
• Other Adjustment	0.000	0.000	0.000	-	0.000

**Change Summary Explanation**

N/A

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**Exhibit R-2A, RDT&E Project Justification:** PB 2021 Missile Defense Agency **Date:** February 2020

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>
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COST (\$ in Millions)	Prior Years	FY 2019	FY 2020	FY 2021 Base	FY 2021 OCO	FY 2021 Total	FY 2022	FY 2023	FY 2024	FY 2025	Cost To Complete	Total Cost
MD26: <i>Arrow Weapon System</i>	511.645	163.000	159.000	173.000	-	173.000	173.000	173.000	173.000	173.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

This project encompasses the Missile Defense Agency's (MDA) U.S.-Israeli cooperative program for the Israeli Arrow Weapon System Program.

**A. Mission Description and Budget Item Justification**

Israeli Arrow Weapon System (AWS): This system includes block upgrades to the AWS components which enhances capabilities against evolving medium range threats by increasing the total defended area. AWS elements include the Arrow-2 and Arrow-3 missiles and launchers, Citron Tree Battle Management Center (BMC), Green Pine (GP) and Super Green Pine (SGP) Radars, and the Hazelnut Tree Launcher Control Center (LCC).

Arrow Block 5 development incorporates a Long Range Detection Suite (LRDS) that consists of an unmanned aerial vehicle (UAV) Airborne Early Warning System (ABEWS) and Sharp Eye Radar for increased sensor range, early detection and enhanced raid size capacity. In addition, a new variant of Arrow-2 (M6) interceptor will be developed. The program also includes the continued development of Arrow's interoperability with U.S. BMDS.

The U.S. and State of Israel entered into a Memorandum of Understanding (MOU) on September 2016, in which "Such funding, should over a ten year period beginning in FY 2019 and ending in FY 2028, be provided at a level of \$500 million per year." These funds will be distributed between the Israeli Programs in Research Development Test & Evaluation (RDT&E) and Procurement Funds.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	FY 2019	FY 2020	FY 2021
<b>Title:</b> Arrow Weapon System	156.638	153.940	167.940
<b>Articles:</b>	-	-	-
<b>Description:</b> The Arrow Weapon System (AWS) continues Block 5 spiral development and target development. Included is the integration of Block 5 assets, which consists of the Arrow-3 missile, launcher, Long Range Detection Suite (LRDS) and Arrow-2 (M6) interceptor. Continue proven Interoperability with U.S. Assets and enhancements to existing AWS System Components. Specific and/or unique planned accomplishments to each FY are as follows:			
<b>FY 2020 Plans:</b>			
-Conduct Block 5 Flight Test proving improved system performance			
<b>FY 2021 Plans:</b>			
-Conduct Block 5 Flight Test proving improved system performance			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Missile Defense Agency		<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
-Ground Test Integrated Israel- GTI-ISR 21				
<b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> Funding profile mirrors the Program Funding Baseline that has been coordinated with IMDO based on the Strategic Plan of the MOU between Israel and the U.S. Program increase will be for M6 development.				
<b>Title:</b> Israeli Test Bed (ITB)		3.535	3.535	3.535
<b>Articles:</b>		-	-	-
<b>Description:</b> The Israeli Test Bed (ITB) provides experiments to evaluate Human Machine Interface (HMI) battle management and integration of Block 5 AWS Techniques Tactics and Procedures (TTPs) and CONOPS. Specific and/or unique accomplishments to each FY are as follows:				
<b>FY 2020 Plans:</b> -SEE ABOVE.				
<b>FY 2021 Plans:</b> -SEE ABOVE.				
<b>FY 2020 to FY 2021 Increase/Decrease Statement:</b> N/A				
<b>Title:</b> Israeli Systems Architecture and Integration (ISA&I)		2.827	1.525	1.525
<b>Articles:</b>		-	-	-
<b>Description:</b> The Israeli Systems Architecture and Integration (ISA&I) conducts studies to assess Israel's future 2025 Missile Defense Architecture. This identifies the preferred missile defense architecture and reference threat for 10-15 year future epoch and interoperability special studies on regional threats and growth path options. Specific and/or unique accomplishments to each FY are as follows:				
<b>FY 2020 Plans:</b> -SEE ABOVE.				
<b>FY 2021 Plans:</b> -SEE ABOVE.				
<b>FY 2020 to FY 2021 Increase/Decrease Statement:</b>				

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Missile Defense Agency		<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>		
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
Funding profile mirrors the Program Funding Baseline that has been coordinated with IMDO based on the Strategic Plan of the MOU between Israel and the U.S. Decrease reflects level of effort required and negotiated with IMDO.				
<b>Accomplishments/Planned Programs Subtotals</b>		163.000	159.000	173.000
<b>C. Other Program Funding Summary (\$ in Millions)</b>				
N/A				
<b>Remarks</b>				
<b>D. Acquisition Strategy</b>				
<p>The MDA - U.S. Israeli Cooperative Program Office jointly manages the Arrow Program with IMDO to ensure that all systems are delivered with quality on time, on budget, and meet the needs of the warfighter. The program funding is equitably funded between the U.S. and Israel with Israel providing matching contributions. However, a portion of the Israeli cost share comes from non-financial contributions such as previously completed work prior to joint program initiation. Contracts are awarded by IMDO or MDA dependent on what is most advantageous to the Joint Governments. In regard to AWS, IMDO contracts on behalf of U.S. government with Israel Aerospace Industries (IAI). IAI subcontracts with Israeli and U.S. companies. For the ITB, the MDA contracts directly with Elbit Systems, Ltd. while IMDO provides an equitable share of the funding to the U.S. Finally, MDA provides funding and contracts directly with WALES, Ltd. for the ISA&amp;I program.</p>				

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Missile Defense Agency												Date: February 2020			
Appropriation/Budget Activity					R-1 Program Element (Number/Name)					Project (Number/Name)					
0400 / 4					PE 0603913C / Israeli Cooperative Programs					MD26 / Arrow Weapon System					
<b>Product Development (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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 Complete	Total Cost	Target Value of Contract
Arrow Weapon System - AWS	C/CPFF	Israel Aerospace Industries (IAI) : Israel	450.755	156.638	Dec 2018	153.940	Dec 2019	167.940	Dec 2020	-		167.940	Continuing	Continuing	Continuing
Israeli Test Bed (ITB) - ITB	C/FFP	Elbit Systems : Israel	35.350	3.535	Nov 2018	3.535	Dec 2019	3.535	Nov 2020	-		3.535	Continuing	Continuing	Continuing
Israeli Systems Architecture and Integration (ISA&I) - ISA&I	C/FFP	Wales LTD : Israel	25.540	2.827	Oct 2018	1.525	Dec 2019	1.525	Dec 2020	-		1.525	Continuing	Continuing	Continuing
<b>Subtotal</b>			511.645	163.000		159.000		173.000		-		173.000	Continuing	Continuing	N/A
<b>Remarks</b> N/A															
<b>Support (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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 Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			-	-		-		-		-		-	-	-	N/A
<b>Remarks</b> N/A															
<b>Test and Evaluation (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 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 Complete	Total Cost	Target Value of Contract
<b>Subtotal</b>			-	-		-		-		-		-	-	-	N/A
<b>Remarks</b> N/A															

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2021 Missile Defense Agency** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>
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Management Services (\$ in Millions)				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			-	-		-		-		-		-	-	-	N/A

**Remarks**  
N/A

	Prior Years	FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
<b>Project Cost Totals</b>	511.645	163.000		159.000		173.000		-		173.000	Continuing	Continuing	N/A

**Remarks**  
Contract cost reflect U.S. contribution only.  
Award Date reflects date of first obligation. Additional obligations may incrementally occur throughout the year.

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**Exhibit R-4, RDT&E Schedule Profile: PB 2021 Missile Defense Agency** **Date:** February 2020

<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>
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	Significant Event Complete ▲				Milestone Decision Complete ★				Element Test Complete ◆				System Level Test Complete ●				Complete Activity ◆											
	Significant Event Planned △				Milestone Decision Planned ☆				Element Test Planned ◇				System Level Test Planned ○				Planned Activity ◇											
	FY 2019				FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025			
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2019	◆	◆	◆	◆																								
Israeli Test Bed Experiments FY 2019	◆	◆	◆	◆																								
Arrow Weapon System Flight Test (1 of 3) FY 2019	◆	◆	◆	◆																								
Arrow Weapon System Flight Test (2 of 3) FY 2019	◆	◆	◆	◆																								
Arrow Weapon System Flight Test (3 of 3) FY 2019	◆	◆	◆	◆																								
Israeli Test Bed Experiments FY 2020					◇	◇	◇	◇																				
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2020					◇	◇	◇	◇																				
Arrow Weapon System Flight Test FY 2020					◇	◇	◇	◇																				
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2021									◇	◇	◇	◇																
Israeli Test Bed Experiments FY 2021									◇	◇	◇	◇																
Arrow Weapon System Flight Test FY 2021									◇	◇	◇	◇																
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2022													◇	◇	◇	◇												
Israeli Test Bed Experiments FY 2022													◇	◇	◇	◇												
Arrow Weapon System Flight Test FY 2022													◇	◇	◇	◇												
Israeli Test Bed Experiments FY 2023																	◇	◇	◇	◇								
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2023																	◇	◇	◇	◇								
Arrow Weapon System Flight Test FY 2023																	◇	◇	◇	◇								
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2024																					◇	◇	◇	◇				
Israeli Test Bed Experiments FY 2024																					◇	◇	◇	◇				
Arrow Weapon System Flight Test FY 2024																					◇	◇	◇	◇				
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2025																									◇	◇	◇	◇
Israeli Test Bed Experiments FY 2025																									◇	◇	◇	◇
Arrow Weapon System Flight Test FY 2025																									◇	◇	◇	◇

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Missile Defense Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2019	1	2019	4	2019
Israeli Test Bed Experiments FY 2019	1	2019	4	2019
Arrow Weapon System Flight Test (1 of 3) FY 2019	1	2019	4	2019
Arrow Weapon System Flight Test (2 of 3) FY 2019	1	2019	4	2019
Arrow Weapon System Flight Test (3 of 3) FY 2019	1	2019	4	2019
Israeli Test Bed Experiments FY 2020	1	2020	4	2020
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2020	1	2020	4	2020
Arrow Weapon System Flight Test FY 2020	1	2020	4	2020
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2021	1	2021	4	2021
Israeli Test Bed Experiments FY 2021	1	2021	4	2021
Arrow Weapon System Flight Test FY 2021	1	2021	4	2021
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2022	1	2022	4	2022
Israeli Test Bed Experiments FY 2022	1	2022	4	2022
Arrow Weapon System Flight Test FY 2022	1	2022	4	2022
Israeli Test Bed Experiments FY 2023	1	2023	4	2023
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2023	1	2023	4	2023
Arrow Weapon System Flight Test FY 2023	1	2023	4	2023
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2024	1	2024	4	2024
Israeli Test Bed Experiments FY 2024	1	2024	4	2024
Arrow Weapon System Flight Test FY 2024	1	2024	4	2024
Israeli Test Bed Exercise to include Ground Test (GT) Support FY 2025	1	2025	4	2025
Israeli Test Bed Experiments FY 2025	1	2025	4	2025

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Missile Defense Agency			<b>Date:</b> February 2020	
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD26 / <i>Arrow Weapon System</i>		

Events	Start		End	
	Quarter	Year	Quarter	Year
Arrow Weapon System Flight Test FY 2025	1	2025	4	2025

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Missile Defense Agency										<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 0400 / 4					<b>R-1 Program Element (Number/Name)</b> PE 0603913C / Israeli Cooperative Programs				<b>Project (Number/Name)</b> MD34 / Short Range Ballistic Missile Defense (SRBMD)(David's Sling Weapon System (DSWS))			
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>FY 2025</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
MD34: Short Range Ballistic Missile Defense (SRBMD) (David's Sling Weapon System (DSWS))	1,046.746	137.000	141.000	127.000	-	127.000	127.000	127.000	127.000	127.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**

This project encompasses the Missile Defense Agency's (MDA) U.S.-Israeli cooperative program for the Israeli David's Sling Weapon System Program.

**A. Mission Description and Budget Item Justification**

Short Range Ballistic Missile Defense (SRBMD): SRBMD, also known as the David's Sling Weapon System (DSWS), is designed to counter short range rockets, cruise missiles, and tactical ballistic missiles and is integrated into the Israeli Missile Defense Architecture. The DSWS includes the Stunner Interceptor, Missile Firing Unit (MFU), Multi-Mission Radar (MMR), Launch Site Controller (LSC), Data Link (DL), Elevated Sensor (ES), and the Golden Almond Battle Management Center (BMC).

The United States (U.S.) and State of Israel entered into a Memorandum of Understanding (MOU) on September 2016, in which "Such funding, should over a ten year period beginning in FY 2019 and ending in FY 2028, be provided at a level of \$500 million per year." These funds will be distributed between the Israeli Programs in Research Development Test & Evaluation (RDT&E) and Procurement Funds.

**B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)**

	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
<b>Title:</b> SRBMD Program	137.000	141.000	127.000
<b>Articles:</b>	-	-	-
<p><b>Description:</b> The scope of the DSWS covers system development, testing, and integration of spiral software development for Blocks 2-3. Block 2 will add capability to defend against medium range and cruise missiles. Block 3 will provide robust defense capability and add significant detection capability to the Israeli Air Defense Architecture.</p> <p>Recurring Planned Accomplishments include:</p> <ul style="list-style-type: none"> <li>- Conduct Testing of the DSWS</li> <li>- Continue Blocks 2 and 3 Spiral Development of the DSWS</li> <li>- Establish and Continue Interoperability with Israeli Air Missile Defense Network</li> </ul> <p>Specific and/or unique accomplishments to each FY are as follows:</p> <p><b>FY 2020 Plans:</b></p>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2021 Missile Defense Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD34 / <i>Short Range Ballistic Missile Defense (SRBMD)(David's Sling Weapon System (DSWS))</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>
-Continue development of the Next Generation Multi-Mission Radar -Develop enhanced Stunner capability  <b><i>FY 2021 Plans:</i></b> -Complete DSWS Block 2 Development -Continue Block 3 enhanced DSWS capability development -Conduct System Flight Tests  <b><i>FY 2020 to FY 2021 Increase/Decrease Statement:</i></b> Funding profile mirrors the Program Funding Baseline that has been coordinated with IMDO based on the Strategic Plan of the MOU between Israel and the U.S. Delta reflects funding within MOU moved to support M6 Development in AWS.			
<b>Accomplishments/Planned Programs Subtotals</b>	137.000	141.000	127.000

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**D. Acquisition Strategy**

The MDA- U.S. Israeli Cooperative Program Office jointly manages the DSWS Program with IMDO to ensure that all systems are delivered with quality on time, on budget, and meet the needs of the warfighter. The program funding is equitably funded between the U.S. and Israel with Israel providing matching contributions. However, a portion of the Israeli cost share comes from non-financial contributions such as previously completed work prior to joint program initiation. Contracts are awarded by IMDO or MDA dependent on what is most advantageous to the Joint Governments. In regard to DSWS, IMDO contracts on behalf of U.S. government with Rafael. Rafael subcontracts with Israeli and U.S. companies.

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2021 Missile Defense Agency</b>												<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 0400 / 4						<b>R-1 Program Element (Number/Name)</b> PE 0603913C / Israeli Cooperative Programs				<b>Project (Number/Name)</b> MD34 / Short Range Ballistic Missile Defense (SRBMD)(David's Sling Weapon System (DSWS))				

<b>Product Development (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
SRBMD Program - SRBMD Program	C/CPPF	Rafael : Israel	1,046.746	137.000	Dec 2018	141.000	Dec 2019	127.000	Dec 2020	-		127.000	Continuing	Continuing	Continuing
<b>Subtotal</b>			1,046.746	137.000		141.000		127.000		-		127.000	Continuing	Continuing	N/A

**Remarks**  
N/A

<b>Support (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			-	-		-		-		-		-	-	-	N/A

**Remarks**  
N/A

<b>Test and Evaluation (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			-	-		-		-		-		-	-	-	N/A

**Remarks**  
N/A

<b>Management Services (\$ in Millions)</b>				FY 2019		FY 2020		FY 2021 Base		FY 2021 OCO		FY 2021 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
<b>Subtotal</b>			-	-		-		-		-		-	-	-	N/A

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2021 Missile Defense Agency</b>											<b>Date:</b> February 2020		
<b>Appropriation/Budget Activity</b> 0400 / 4				<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>				<b>Project (Number/Name)</b> MD34 / <i>Short Range Ballistic Missile Defense (SRBMD)(David's Sling Weapon System (DSWS))</i>					

<b>Management Services (\$ in Millions)</b>				<b>FY 2019</b>		<b>FY 2020</b>		<b>FY 2021 Base</b>		<b>FY 2021 OCO</b>		<b>FY 2021 Total</b>			
<b>Cost Category Item</b>	<b>Contract Method &amp; Type</b>	<b>Performing Activity &amp; Location</b>	<b>Prior Years</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Award Date</b>	<b>Cost</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>

**Remarks**  
N/A

	<b>Prior Years</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021 Base</b>	<b>FY 2021 OCO</b>	<b>FY 2021 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>
<b>Project Cost Totals</b>	1,046.746	137.000	141.000	127.000	-	127.000	Continuing	Continuing	N/A

**Remarks**  
Contract cost reflect U.S. contribution only.  
Award Date reflects date of first obligation. Additional obligations may incrementally occur throughout the year.



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2021 Missile Defense Agency		<b>Date:</b> February 2020
<b>Appropriation/Budget Activity</b> 0400 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0603913C / <i>Israeli Cooperative Programs</i>	<b>Project (Number/Name)</b> MD34 / <i>Short Range Ballistic Missile Defense (SRBMD)(David's Sling Weapon System (DSWS))</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
System Flight Test #6 FY 2019	1	2019	4	2019
System Flight Test #7 FY 2021	1	2021	4	2021
System Flight Test #8 FY 2022	1	2022	4	2022
System Flight Test #9 FY 2023	1	2023	4	2023
System Flight Test #10 FY 2024	1	2024	4	2024
System Flight Test #11 FY 2025	1	2025	4	2025