Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Air Force												Date: May 2021
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force* / BA 7: *Operational Systems Development*					R-1 Program Element (Number/Name) PE 0303140F / *Information Systems Security Program*							
COST ($ in Millions)	**Prior Years**	**FY 2020**	**FY 2021**	**FY 2022 Base**	**FY 2022 OCO**	**FY 2022 Total**	**FY 2023**	**FY 2024**	**FY 2025**	**FY 2026**	**Cost To Complete**	**Total Cost**
Total Program Element	-	26.732	10.351	8.032	0.000	8.032	-	-	-	-	-	-
675100: *Cryptographic Modernization*	-	26.732	10.351	8.032	0.000	8.032	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Information Systems Security Program (ISSP) - Includes resources, manpower authorizations, necessary facilities and equipment required to perform INFOSEC research and development, to provide INFOSEC services, to procure INFOSEC products required to secure telecommunications and information systems when such products are separately procurable from host systems, and to provide INFOSEC maintenance and support. Also includes costs associated with the protection afforded to telecommunications and information systems which process sensitive data and efforts to ensure confidentiality, integrity, and availability of the information and the system.

The ISSP Element provides cradle-to-grave research, development, acquisitions, supply, sustainment, depot maintenance, and demilitarization of the Air Force (AF) cryptographic and key distribution/management systems (known as the Key Management Enterprise (KME)). ISSP delivers on rising national, DoD, and AF priorities to address cyber security threats and increasing war-fighter dependence on cyberspace. The AF and the DoD require the capability to securely collect, process, store, and disseminate an uninterrupted flow of information, while denying an adversary the ability to intercept, collect, destroy, interpret, or manipulate our information flows. Secure communication allows the DoD to achieve and maintain decision superiority, the key to successful application of the military instrument of national power in modern, high-tempo, full-spectrum operations. AF Communications Security (COMSEC) equipment protects information such as war-fighter positions, mission planning, target strikes, commanders' orders, intelligence, force strength, and force readiness. When an adversary is capable of interpretation, manipulation, or destruction of the information used by the war-fighter, DoD military forces will suffer significant and/or devastating mission degradation that can result in loss of life and resources and/or exceptionally grave damage to national security.

The overall focus of the Research, Development, Test, and Evaluation (RDT&E) efforts within this program is to transform electronic key delivery and cryptographic devices to meet the next generation war-fighting requirements. These efforts are driven by the National Security Agency's (NSA) mandates to address decertifications, new requirements, and end of life issues. NSA's first tenet calls for an AF KME that permits a totally "man-out-of-the-loop" electronic crypto key distribution system from the generation of the key in the key processor all the way into the using End Crypto Unit (ECU). This eliminates the current key vulnerability of compromise /interruption by individuals transporting or loading the key. NSA's second tenet requires an inventory of cryptographic devices that are more robust, modular, scalable, capable, net-centric, and durable. This enables more effective and efficient performance including reduced inventory, expanded data rates, simplified upgrades, lower life cycle costs, and ensured global information grid-compatibility.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver ISSP weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605831F. In FY20 (0.000M) was expended for civilian pay expenses in this program element, and in FY21 (0.0000M) is forecasted for civilian pay expenses in this program element.

Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Air Force	Date: May 2021
Appropriation/Budget Activity 3600: *Research, Development, Test & Evaluation, Air Force* / BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*

This requirement supports performance of a full financial audit as required by title 10 U.S.C. Chapter 9A, Sec 240-D.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary ($ in Millions)	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	27.726	10.351	13.598	0.000	13.598
Current President's Budget	26.732	10.351	8.032	0.000	8.032
Total Adjustments	-0.994	0.000	-5.566	0.000	-5.566
• 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	-0.994	0.000			
• Other Adjustments	0.000	0.000	-5.566	0.000	-5.566

Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force			Date: May 2021
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303140F / *Information Systems Security Program*	Project (Number/Name) 675100 / *Cryptographic Modernization*	

COST ($ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
675100: *Cryptographic Modernization*	-	26.732	10.351	8.032	0.000	8.032	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The AF Cryptographic Modernization Effort modernizes cryptographic devices protecting critical national security information across multi-domain operations. In September 2000, the Defense Review Board (DRB) tasked National Security Agency (NSA) to evaluate the security posture of the cryptographic inventory. Systems with aging algorithms, those approaching non-sustainability, and those generally incompatible with modern key management systems were identified and have been replaced or are in the process of being replaced. Priority systems that required immediate replacement were also identified. In addition, NSA documented the need to modernize the cryptographic inventory with capabilities designed to enable network-centric operations. Replacements/Modernization of the near term vulnerable systems must occur within the timeframe specified by device and algorithm in Chairman Joint Chiefs of Staff Notice (CJCSN) 6510. The DoD Cryptographic Modernization Program was established to develop a modern cryptographic base that provides this assured security robustness, interoperability, advanced algorithms, releasability, programmability, and compatibility with the new Key Management Enterprise (KME). This AF effort supports an integrated effort across the cyber domain to transform to next-generation cryptographic capabilities. It provides U.S. forces and multinational and interagency partners the multi-domain security needed to protect the flow and exchange of strategic, operational, and tactical information in accordance with national and international policy/standards, and the validated requirements of decision makers, warfighters, and the intelligence community.

The AF Cryptographic Modernization Effort is a collection of projects accomplished in three phases: replacement, modernization, and transformation. The replacement phase of the program focused on updating and/or replacing out-of-date algorithms along with unsustainable cryptographic products. The modernization phase provides crypto devices with common solutions that are more robust, modular, scalable, and provide the durability to existing cryptographic end items, as well as updating mid-term aging/unsupportable crypto equipment. Manpower and logistics requirements will be reduced and manpower efficiencies gained, while incremental capability enhancements and footprint reduction are provided. The third phase of the Cryptographic Modernization Program, transformation, provides common joint solutions which enable secure, transparent, multi-domain, network-centric capabilities. Activities also include studies and analysis to support both current program planning/ execution and future program planning.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver ISSP weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605831F. In FY20 (0.000M) was expended for civilian pay expenses in this program element, and in FY21 (0.0000M) is forecasted for civilian pay expenses in this program element.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2020	FY 2021	FY 2022
Title: Technology Development (TD)	2.189	0.291	0.414

Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2020	FY 2021	FY 2022
Description: Technical Development (TD) conducts concept development, early systems engineering, and development/ modernization activities to analyze and mitigate evolving crypto threats and Communications Security (COMSEC) capability gaps across AF and DoD mission areas. Develops, plans and executes Technology Maturation and Risk Reduction (TMRR) and Engineering and Manufacturing Development (EMD) activities for future cryptographic initiatives. Mitigates risk for thousands of AF and DoD users affected by algorithm security issues and ensures required security upgrades can be integrated into the AF and DoD enterprise. Works closely with NSA and other services to develop standards that increase security of communication and information products and facilitate efficient crypto and COMSEC enterprise management. Initiatives include but are not limited to: Advanced Cryptographic Capabilities Increment One (ACC Inc. 1) and Cryptographic Modernization 2 (CM2). ***FY 2021 Plans:*** -Continue to coordinate AF Limited User Testing (LUT) for the Advanced Cryptographic Capabilities Increment One (ACC Inc.1) initiative -Continue to identify materiel solutions requiring modification or acquisition under the joint Cryptographic Modernization 2 (CM2) Initial Capabilities Document (ICD) and provide information to AF Lead Command to support AF1067 modifications or JCIDS documentation for follow-on acquisition -Conduct Technology Maturation and Risk Reduction (TMRR) activities, execute AF 1067 cryptographic equipment modifications, and begin new cryptographic equipment developments within the scope of the CM2 program -Continue the modification of CM2 impacted cryptographic devices to mitigate CM2 associated threats -Develop system security documentation (OPSEC Plans, Cybersecurity Plans, Security Classification Guidance (SCG), Integrated Threat Assessments (ITAs), Anti-Tamper Planning and Program Protection Planning) -Develop the necessary TSN processes to deliver a trusted system (integrating all source supply chain information, threat to risk methodologies, mapping of both SCRM Key Practices and Risk Management Framework (RMF) mitigations, risk strategies, and technical mitigations for both H/W and S/W) -Provide both counterfeit detection (H/W analysis) and Malware Analysis (S/W analysis) -Provide TSN contract language and clauses to effectively acquire trusted systems - Continue executing funding from the Technology Development (TD) thrust for the modification of the KIV-78A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description -Continue market research and preparation for the modification of the KIV-77A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description -Continue to perform studies, analysis and prototyping efforts aimed at countering increasing classic and quantum computing threats -Continue to gather metrics on new algorithms provided by NSA so that the data can be given to defense contractors on CM2 efforts			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2020	FY 2021	FY 2022
-Initiate efforts to enable artificial intelligence and machine learning capabilities for the AF Advanced Battle Management System (ABMS) and Joint All Domain Command and Control (JADC2) by developing and delivering NSA Approved cryptologic solutions to secure communications and data storage for tactical and strategic level data -The AF Cryptographic Modernization Effort modernizes cryptographic devices protecting critical national security information across multi-domain operations -R&D efforts to support Agile updates to Air Force Cryptographic Equipment that will provide rapid algorithm and capability evolution to defend against advanced and evolving threats -These activities will span several dozen development and study efforts that support the upgrade process, crypto key management, quantification of impacts, and holistic algorithm resiliency ***FY 2022 Plans:*** -Will complete development and obtain NSA certification for modified KIV-78A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description -Will continue market research and preparation for the modification of the KIV-77A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description -Will continue to perform studies, analysis and prototyping efforts aimed at countering increasing classic and quantum computing threats -Will continue to gather metrics on new algorithms provided by NSA so that the data can be given to defense contractors on CM2 efforts -Will enable artificial intelligence and machine learning capabilities for the AF Advanced Battle Management System (ABMS) and Joint All Domain Command and Control (JADC2) by developing and delivering NSA Approved cryptologic solutions to secure communications and data storage for tactical and strategic level data -Will modernize cryptographic devices protecting critical national security information across multi-domain operations -Will provide R&D efforts to support Agile updates to Air Force Cryptographic Equipment that drive rapid algorithm and capability evolution to defend against advanced and evolving threats -These activities will span several dozen development and study efforts that support the upgrade process, crypto key management, quantification of impacts, and holistic algorithm resiliency -Continue to coordinate AF Limited User Testing (LUT) for the Advanced Cryptographic Capabilities Increment One (ACC Inc.1)initiative ***FY 2021 to FY 2022 Increase/Decrease Statement:*** - Funding increased due to increase in requirements			
Title: IFF Mode 5	4.480	5.581	3.852

Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2020	FY 2021	FY 2022
Description: Identification Friend or Foe (IFF) Mode 5 devices provide authentication and encryption/decryption services to IFF Mode 5 host equipment. These encryption devices operate within military aircraft, fixed, and transportable ground stations when connected to an interrogator and/or transponder. The Identification Friend or Foe (IFF) Mode 5 crypto models KIV-77 and KIV-78 require permanent modification. The modification of these devices are required to address produce-ability and algorithm re-programmability mandated by the National Security Agency (NSA) and the 2019 Chairman of the Joint Chiefs of Staff Notice (CJCSN) 6510. ***FY 2021 Plans:*** - Continue executing funding from the Technology Development (TD) thrust for the modification of the KIV-78A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description - Continue market research and preparation for the modification of the KIV-77A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description ***FY 2022 Plans:*** - Will reallocate funding from the Technology Development thrust to execute the permanent modification of the IFF Mode 5 in support of the Cryptographic Modernization 2 (CM2) effort - Will complete development and obtain NSA certification for modified KIV-78A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description - Will continue market research and preparation for the modification of the KIV-77A IFF Mode 5 device in support of the Cryptographic Modernization 2 (CM2) effort as stated in TD description ***FY 2021 to FY 2022 Increase/Decrease Statement:*** - Funding decreased due to higher DoD priorities.			
Title: Space Modular Common Crypto (SMCC)	12.124	0.100	0.100
Description: Space Modular Common Crypto (SMCC) provides Information Assurance (IA) services for new satellite architectures via a family of common crypto solutions that integrate Tracking, Telemetry, & Commanding (TT&C), Mission Data (MD), and/or Transmission Security (TRANSEC) key stream functions for the Air Force and Intelligence Community space systems. ***FY 2021 Plans:*** N/A ***FY 2022 Plans:***			

Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2020	FY 2021	FY 2022
N/A			
Title: Algorithm Transition Compliance and Support	4.938	4.279	3.566
Description: Supports Air Combat Command (AF lead for Cyber Superiority) in Algorithm Transition Compliance and provides Information Assurance (IA) support by conducting analysis on all utilized cryptographic algorithms and hundreds of cryptographic equipment types to support transition efforts. This includes the development and planning of technology demonstrations to ensure new algorithms can be integrated into the multitude of devices across the AF crypto enterprise, determining and monitoring mitigation strategies to address vulnerabilities, and tracking and reporting algorithm/device integration. Assesses current state of AF cryptography across the enterprise and develops the Cryptographic Roadmap. Develops and maintains a classified Crypto Modernization (CM) database system that tracks status of AF crypto device types that is accessible by the CM community via SIPRNET. Efforts support NC3, ISR, all AF platforms, and most ground networks. ***FY 2021 Plans:*** - Continue to analyze the AF crypto enterprise and provide situational awareness of significant risks related to aging inventory and cryptographic vulnerabilities - Continue to provide analysis of adequacy of COMSEC products in support of NSA requirements, sustainment issues, and the state of technology - Provide Crypto-Mod analysis database to AF community to assist in annual assessments and long term efforts to develop enterprise capabilities based assessment (CBA) and to identify technical capability gaps - Conduct annual assessment of the state of the AF cryptographic enterprise and update the Cryptographic Roadmap ***FY 2022 Plans:*** - Will continue to analyze the AF crypto enterprise and provide situational awareness of significant risks related to aging inventory and cryptographic vulnerabilities - Will continue to provide analysis of adequacy of COMSEC products in support of NSA requirements, sustainment issues, and the state of technology - Will provide Crypto-Mod analysis database to AF community to assist in annual assessments and long term efforts to develop enterprise capabilities based assessment (CBA) and to identify technical capability gaps - Will conduct annual assessment of the state of the AF cryptographic enterprise and update the Cryptographic Roadmap ***FY 2021 to FY 2022 Increase/Decrease Statement:*** - Funding decreased due to higher DoD priorities.			
Title: Classified Data At Rest (CDAR)	3.001	0.100	0.100

Exhibit R-2A, RDT&E Project Justification: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2020	FY 2021	FY 2022
Description: CDAR plans to develop and procure an NSA approved modernized cryptographic solution(s) for use in ISR, C2, and EW platforms exposed to hostile/uncontrolled environments. The enterprise cryptographic solution will encrypt/decrypt Top Secret and Below (TSAB) data at rest residing in a variety of data storage environments. ***FY 2021 Plans:*** - Complete TMRR prototyping - Continue market research and preparation for Milestone B and entry into EMD ***FY 2022 Plans:*** -Will begin development of increment 1 of the CDAR enterprise cryptographic solution -Continue market research and preparation for Milestone B and entry into EMD -Continue development of system security documentation ***FY 2021 to FY 2022 Increase/Decrease Statement:*** N/A			
Accomplishments/Planned Programs Subtotals	26.732	10.351	8.032

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
• OPAF 03 831010: *COMSEC Equipment*	54.756	50.634	51.861	-	51.861	-	-	-	-	-	-

Remarks

Remarks: Other Program Funding reflects Crypto Modernization (CM) portion of Information Systems Security Program (ISSP) OPAF total.

D. Acquisition Strategy

Implement AF portion of the DoD's Cryptographic Modernization (CM) Initiative through modernization/modification efforts, in varying stages of the acquisition cycle, with focus on minimizing life cycle costs. The CM portfolio of component acquisition projects is executing using a variety of approaches that vary from an evolutionary acquisition strategy using spiral development (for new component development) to incremental improvement leveraging leading-edge, certified non-developmental items (for modernization). Contract type is selected for each of the individual projects based upon its acquisition approach and its unique technology risks. A mixture of fixed-price and cost-reimbursement contracts have been selected which maximize the best value for the Government.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Air Force			Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Tech Development	Various	MULTIPLE : MULTIPLE	-	2.189	Jan 2020	0.291	Jan 2021	0.414	Jan 2022	-		0.414	-	-	-
IFF Mode 5	Various	MULTIPLE : MULTIPLE	-	4.480	Apr 2020	2.564	Feb 2021	1.955	Feb 2022	-		1.955	-	-	-
Space Modular Common Crypto (SMCC)	C/CPIF	MULTIPLE : MULTIPLE	-	9.383	Feb 2020	-		-		-		-	-	-	-
Algorithm Transition Compliance and Support	Various	MULTIPLE : MULTIPLE	-	4.482	Apr 2020	3.607	Apr 2021	3.566	Apr 2022	-		3.566	-	-	-
CDAR	Various	MULTIPLE : MULTIPLE	-	3.001	Feb 2020	0.100	Feb 2021	0.100	Feb 2022	-		0.100	-	-	-
		Subtotal	-	23.535		6.562		6.035		-		6.035	-	-	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Space Modular Common Crypto (SMCC)	Various	MULTIPLE : MULTIPLE	-	0.743	Dec 2019	-		-		-		-	-	-	-
IFF Mode 5	C/CPAF	Not specified. : TBD	-	-		0.320	Jan 2021	0.422	Jan 2022	-		0.422	-	-	-
		Subtotal	-	0.743		0.320		0.422		-		0.422	-	-	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2020 Cost	FY 2020 Award Date	FY 2021 Cost	FY 2021 Award Date	FY 2022 Base Cost	FY 2022 Base Award Date	FY 2022 OCO Cost	FY 2022 OCO Award Date	FY 2022 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Administration (PMA)	Various	Various : Various	-	2.454	Dec 2019	3.469	Dec 2020	1.575	Dec 2021	-		1.575	-	-	-
		Subtotal	-	2.454		3.469		1.575		-		1.575	-	-	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2022 Air Force			Date: May 2021
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0303140F / *Information Systems Security Program*	Project (Number/Name) 675100 / *Cryptographic Modernization*	

	Prior Years	FY 2020		FY 2021		FY 2022 Base		FY 2022 OCO		FY 2022 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	26.732		10.351		8.032		-		8.032	-	-	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

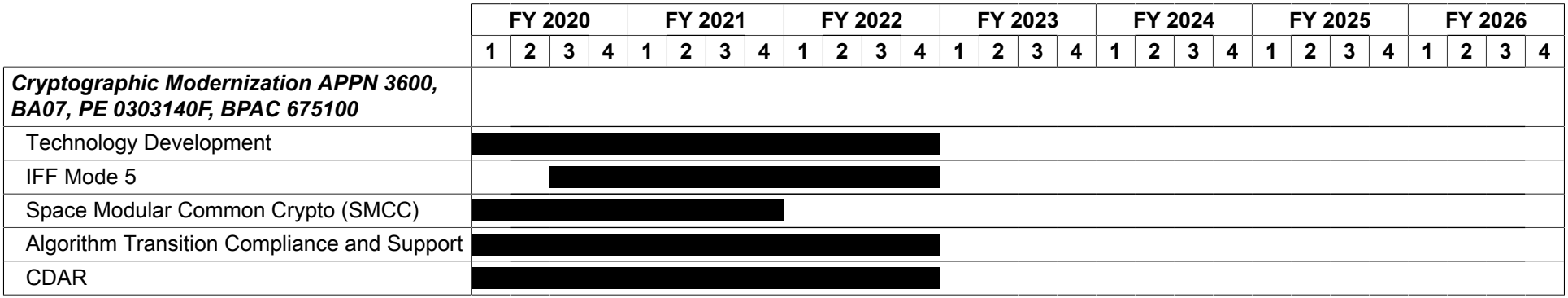

Exhibit R-4A, RDT&E Schedule Details: PB 2022 Air Force		Date: May 2021
Appropriation/Budget Activity 3600 / 7	**R-1 Program Element (Number/Name)** PE 0303140F / *Information Systems Security Program*	**Project (Number/Name)** 675100 / *Cryptographic Modernization*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
Cryptographic Modernization APPN 3600, BA07, PE 0303140F, BPAC 675100				
Technology Development	1	2020	4	2022
IFF Mode 5	3	2020	4	2022
Space Modular Common Crypto (SMCC)	1	2020	4	2021
Algorithm Transition Compliance and Support	1	2020	4	2022
CDAR	1	2020	4	2022