Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force	Date: March 2024
Appropriation/Budget Activity 3620F: *Research, Development, Test & Evaluation, Space Force I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1203001SF *I Family of Advanced BLoS Terminals (FAB-T)*

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	124.394	91.369	2.607	0.000	2.607	0.307	0.313	0.005	0.005	0.000	219.000
672490: *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*	-	6.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.200
673035: *Presidential and National Voice Conferencing*	-	33.800	35.319	2.003	0.000	2.003	0.307	0.313	0.005	0.005	0.000	71.752
673040: *Force Element Terminal*	-	84.394	56.050	0.604	0.000	0.604	0.000	0.000	0.000	0.000	0.000	141.048

A. Mission Description and Budget Item Justification

Activities funded in this program element continue to pay for AN/USQ-225 integration into multiple legacy systems, other ongoing NC3 acquisition programs, and future capabilities for the overall AF NC3 WS.

The Family of Advanced Beyond Line-of-Sight Terminals (FAB-T) - Command Post Terminal (CPT), Presidential and National Voice Conferencing (PNVC) Integrator, and Force Element Terminal (FET) programs - transitioned from AFPEO/SP to AFPEO/NC3 effective December 2018.

The FAB-T - Command Post Terminal (FAB-T CPT) project replaces legacy Milstar (AFCPT) terminals and will provide Extremely High Frequency (EHF) protected high data rate communication for nuclear and conventional forces to include PNVC. FAB-T CPT will provide this new, highly secure, state-of-the-art capability for Department of Defense (DoD) platforms to include strategic platforms and airborne/ground command posts via Milstar, Advanced EHF (AEHF), and Evolved Strategic SATCOM (ESS) satellite constellations. FAB-T CPTs will also support the critical command and control (C2) of the Milstar, Advanced EHF (AEHF), and Evolved Strategic SATCOM (ESS) satellite constellations.

The Presidential and National Voice Conferencing (PNVC) Integrator project is a critical element of the Nuclear Command, Control, and Communications (NC3) System. PNVC integrator replaces the Survivable Emergency Conferencing Network (SECN) capability, and will provide anti-jam, anti-scintillation, survivable, and enduring voice communications via AEHF and ESS satellite constellations for national and strategic users. There are several components being developed and procured by other organizations that must be synchronized to expeditiously field the capability. The PNVC Integrator is responsible for end-to-end integration of these components, to include requirements traceability, end-to-end system testing, configuration and checkout activities, training and technical manuals, network transition support, identification of deficiencies in overall PNVC system capability, enterprise, and life cycle support for PNVC components. The AFPEO/SP approved entry into the acquisition lifecycle as a post MS-A Acquisition Category (ACAT) III Program of Record in January 2016. Starting in December 2018, PNVC Integrator became responsible for the funding requests of all program elements related to the Defense Information Systems and Agency (DISA) components of the PNVC System in accordance with FY 2018 National Defense Authorization Act, Sec. 1661. In March 2019, the AFPEO/NC3 declared the PNVC Integrator an ACAT II Program based on the inclusion of DISA funding in the program budget.

Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force	Date: March 2024
Appropriation/Budget Activity 3620F: *Research, Development, Test & Evaluation, Space Force I* BA 7: *Operational Systems Development*	**R-1 Program Element (Number/Name)** PE 1203001SF *I Family of Advanced BLoS Terminals (FAB-T)*

The FAB-T - Force Element Terminal (FAB-T FET) program replaces the Ultra High Frequency (UHF) Milstar terminals and provides secure, protected, and survivable communications for the strategic warfighter through airborne-based Military Satellite Communication (MILSATCOM) terminals. The FAB-T FET will provide worldwide nuclear and non-nuclear, survivable, anti-jam Low Probability of Detect (LPD)/ Low Probability of Intercept (LPI) data and voice communications. The FAB-T FET will be interoperable with Advanced Extremely High Frequency (AEHF), Enhanced Polar Systems - Recapitalization (EPS-R), and Evolved Strategic SATCOM (ESS) satellite constellations utilizing Extended Data Rate (XDR) waveforms and will be installed on the B-52 aircraft (threshold). FAB-T FET was designated as a Middle Tier of Acquisition (MTA) in February 2019.

The total cost of the FAB-T FET Middle Tier of Acquisition effort is 504.65 million and is fully funded across the Future Years Defense Program. FAB-T FET is planned to transition to the Major Capability Acquisition (MCA) Pathway at Milestone C.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such programs funds would be in addition to the civilian pay expenses budgeted in program element 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In PY 0.752 million was expended for civilian pay expenses in this program element, and in CY 0.775 million is forecasted for civilian pay expenses in this program element.

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 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	128.243	91.369	2.603	0.000	2.603
Current President's Budget	124.394	91.369	2.607	0.000	2.607
Total Adjustments	-3.849	0.000	0.004	0.000	0.004
• 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	-3.849	0.000			
• Other Adjustments	0.000	0.000	0.004	0.000	0.004

Change Summary Explanation

FY25 base adjustment due to inflation correction.

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3620F / 7	R-1 Program Element (Number/Name) PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	Project (Number/Name) 672490 / *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
672490: *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*	-	6.200	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	6.200
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The FAB-T - Command Post Terminal (FAB-T CPT) project replaces legacy Milstar (AFCPT) terminals and will provide Extremely High Frequency (EHF) protected high data rate communication for nuclear and conventional forces to include Presidential and National Voice Conferencing (PNVC). FAB-T CPT will provide this new, highly secure, state-of-the-art capability for Department of Defense (DoD) platforms to include strategic platforms and airborne/ground command posts via Milstar, Advanced EHF (AEHF), and Evolved Strategic SATCOM (ESS) satellite constellations. FAB-T CPTs will also support the critical command and control (C2) of the Milstar, Advanced EHF (AEHF), and Evolved Strategic SATCOM (ESS) satellite constellations. The Department of the Air Force (DAF) will continue development of the FAB-T CPT, performing systems engineering, architecture studies, development and operational test efforts, terminal interoperability with the full AEHF satellite constellation activities, and other program activities to meet current and future emerging SATCOM requirements.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: FAB-T CPT Development	6.200	0.000	0.000
Description: The FAB-T CPT program will provide EHF voice and data Military Satellite Communication (MILSATCOM) for nuclear and conventional forces as well as airborne and ground command posts with connectivity to Milstar and AEHF satellites. ***FY 2024 Plans:*** The FAB-T CPT program continues to provide EHF voice and data MILSATCOM for nuclear and conventional forces as well as airborne and ground command posts with connectivity to Milstar, AEHF, and ESS satellites. FAB-T CPT is scheduled to complete development of efforts required for NSA AEHF terminal certification, specifically an update to the software encryption station. Activities may include, but are not limited to program office support, studies, technical analysis, experimentation, prototyping, etc. ***FY 2025 Plans:*** N/A - FAB-T CPT is scheduled to complete development prior to FY 2025. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** N/A			
Accomplishments/Planned Programs Subtotals	6.200	0.000	0.000

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 672490 / *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• SPSF 01 FBLOST FAB-T: *FAB-T*	13.078	21.749	15.589	-	15.589	14.426	5.062	5.169	5.273	Continuing	Continuing
• SPSF 01 FBLOST PNVC: *FAB-T*	3.066	3.308	1.675	-	1.675	1.711	1.757	0.000	0.000	0.000	11.517
• SPSF 01 SPAF FET: *FAB-T*	0.000	121.634	234.655	-	234.655	148.819	23.477	23.973	24.457	Continuing	Continuing
• RDTE 07 FET: *FAB-T*	84.394	56.050	0.604	-	0.604	0.000	0.000	0.000	0.000	0.000	141.048
• RDTE 07 PNVC: *FAB-T*	33.800	35.319	2.003	-	2.003	0.307	0.313	0.005	0.005	Continuing	Continuing

Remarks

D. Acquisition Strategy

FAB-T CPT Acquisition Strategy: In FY 2012, the government restructured the FAB-T CPT development program to introduce competition into the acquisition strategy in order to reduce risk in delivering this capability as well as to drive down production costs. To ensure the best value to the government, the DAF awarded production contracts in September 2013 to both contractors (Boeing and Raytheon). The production contracts began with production planning for both contractors. In June 2014, the DAF down-selected to Raytheon. Development and production of FAB-T CPTs continued with Raytheon. The first Production contract options to produce FAB-T CPTs were exercised after a successful Milestone C decision was approved September 1, 2015. FAB-T CPT will proceed to a Full Rate Production Decision following completion of terminal certification conducted via initial operational test & evaluation activities.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 672490 / *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T CPT Prime Contract	Various	Raytheon : Marlboro, MA	-	5.800	Dec 2022	-		-		-		-	Continuing	Continuing	-
FAB-T CPT Technical Mission Analysis	Various	Various : Various	-	0.400	Dec 2022	-		-		-		-	Continuing	Continuing	-
		Subtotal	-	6.200		-		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	6.200		-		-		-		-	Continuing	Continuing	N/A

Remarks

Prior Years funding, FY 2016/FY 2017 $95.229M was executed in Program Element (PE) 0303001F. Prior to FY 2016, $180.602M was executed in PE 0303601F.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 672490 / *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*

	FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
FAB-T																												
FAB-T CPT AEHF Terminal Certification	[redacted]																											

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 672490 / *Family of Advanced Beyond Line-of-Sight Terminals (FAB-T)*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
FAB-T				
FAB-T CPT AEHF Terminal Certification	1	2023	4	2024

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3620F / 7	R-1 Program Element (Number/Name) PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	Project (Number/Name) 673035 / *Presidential and National Voice Conferencing*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
673035: *Presidential and National Voice Conferencing*	-	33.800	35.319	2.003	0.000	2.003	0.307	0.313	0.005	0.005	0.000	71.752
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Presidential and National Voice Conferencing (PNVC) Integrator project is a critical element of the Nuclear Command, Control, and Communications (NC3) System. PNVC integrator replaces the Survivable Emergency Conferencing Network (SECN) capability, and will provide anti-jam, anti-scintillation, survivable, and enduring voice communications via Milstar, Advanced EHF, and ESS satellite constellations for national and strategic users. There are several components being developed, procured and updated by other organizations that must be synchronized to expeditiously field this capability. The PNVC Integrator is responsible for end-to-end integration of these components, to include requirements traceability, end-to-end system testing, configuration and checkout activities, training and technical manuals, network transition support, identification of deficiencies in overall PNVC system capability, enterprise, and life cycle support for PNVC components. The AFPEO/SP approved entry into the acquisition life-cycle as a post MS-A Acquisition Category (ACAT) III Program of Record in January 2016. In March 2019 the AFPEO/NC3 declared the PNVC Integrator an ACAT II Program based on updated approved budget request.

Starting in December 2018 PNVC Integrator became responsible for the funding requests of all program elements related to the Defense Information Systems and Agency (DISA) components of the PNVC System in accordance with FY 2018 National Defense Authorization Act, Sec. 1661. In October 2021, PNVC completed Milestone B/C.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: PNVC Integrator	33.800	35.319	2.003
Description: PNVC is the SECN replacement capability which provides anti-jam, anti-scintillation, survivable, and endurable voice communications via Milstar, Advanced EHF, and ESS satellite constellations for national and strategic users. The PNVC capability consists of constituent programs being developed and produced by other organizations. This program will integrate, test, and support configuration of hardware from these other programs. PNVC components will be installed at ground fixed and mobile command locations as well as three aircraft platforms.			
FY 2024 Plans: The PNVC Integrator will continue to conduct integration and checkout activities and training at remaining operational sites world-wide, conduct cyber-security testing, and continue to work closely with the applicable sustainment organizations, as they make their preparations for becoming responsible for PNVC sustainment, engineering, and maintenance.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673035 / *Presidential and National Voice Conferencing*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
PNVC Integrator activities will include, but are not limited, to program office support, prototyping, test planning and execution, deficiency resolution, logistics and sustainment support planning, component product support, risk reduction activities, technical analysis and studies, platform integration and support, and integration of laboratory support. PNVC will continue to support component fielding, conduct site integration and checkout, finish integrated developmental activities and prepare for Initial Operational Capability. Activities funded in this program continue to pay for AN/USQ-225 integration into multiple legacy systems, other ongoing NC3 acquisition programs, and future capabilities for the overall AF NC3 WS. ***FY 2025 Plans:*** The PNVC Integrator will continue to conduct integration and checkout activities and training at remaining operational sites world-wide and continue to work closely with the applicable sustainment organizations, as they make their preparations for becoming responsible for PNVC sustainment, engineering, and maintenance. PNVC Integrator activities will include, but are not limited, to program office support, test execution, deficiency resolution, logistics and sustainment support planning, component product support, risk reduction activities, technical analysis and studies, platform integration and support at final locations, and integration of laboratory support. PNVC will continue to support component fielding, conduct site integration and checkout, finish integrated developmental activities, and prepare for Initial Operational Capability followed by Full Operational Capability shortly after. Following conclusion of Multi-Service Operational Test and Evaluation (MOT&E), PNVC will conclude software maturation. Software maturation will now extend into FY25. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Activities decrease FY 2024 to FY 2025 as the program prepares for Initial Operational Capability, followed by Full Operational Capability shortly after, and transition to sustainment. There will be small amounts of integration activities and deficiency corrections required in FY 2025.			
Accomplishments/Planned Programs Subtotals	33.800	35.319	2.003

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• SPSF 01 FBLOST FAB-T: *FAB-T*	13.078	21.749	15.589	-	15.589	14.426	5.062	5.169	5.273	Continuing	Continuing
• SPSF 01 FBLOST PNVC: *FAB-T*	3.066	3.308	1.675	-	1.675	1.711	1.757	0.000	0.000	0.000	11.517
• SPSF 01 SPAF FET: *FAB-T*	0.000	121.634	234.655	-	234.655	148.819	23.477	23.973	24.457	Continuing	Continuing
• RDTE 07 FET: *FAB-T*	84.394	56.050	0.604	-	0.604	0.000	0.000	0.000	0.000	0.000	141.048

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673035 / *Presidential and National Voice Conferencing*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• RDTE 07 FAB-T CPT: *FAB-T*	6.200	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.200

Remarks

D. Acquisition Strategy

PNVC Acquisition Strategy: On May 15, 2015 the Deputy Secretary of Defense assigned the PNVC End-to-End Integration responsibility to the DAF; effective May 16, 2015, SAF/AQ designated the AFPEO/SP. In March 2019 the AFPEO/NC3 declared the PNVC Integrator an ACAT II Program based on updated approved budget request. The PNVC End-to-End Integrator program is responsible for requirements traceability, End-to-End system testing, site configuration activities, training and technical manuals, network transition support, identifying deficiencies in the PNVC capability, and enterprise and life cycle support for all PNVC components. Starting in December 2018 PNVC Integration is responsible for all program elements' requests for funding related to the Defense Information Systems and Agency (DISA) components of the PNVC System in accordance with FY 2018 National Defense Authorization Act, Sec. 1661.

PNVC will continue to support component fielding, conduct site integration and checkout, and prepare for and execute integrated developmental test activities in advance of the PNVC system Initial Operating Capability.

Beginning in FY2020, all PNVC funds were transferred from DISA to Project 673035, for execution.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673035 / *Presidential and National Voice Conferencing*	

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PNVC Prime Contract	Various	Raytheon : Largo, FL	-	20.639	Oct 2022	22.569	Oct 2023	1.503	Oct 2024	-		1.503	Continuing	Continuing	-
PNVC Technical Mission Analysis	Various	Various : Various	-	4.402	Oct 2022	3.000	Oct 2023	-		-		-	Continuing	Continuing	-
PNVC Enterprise SE&I	Various	Various : Various	-	2.114	Oct 2022	3.100	Oct 2023	-		-		-	Continuing	Continuing	-
		Subtotal	-	27.155		28.669		1.503		-		1.503	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PNVC Government Test and LDTO Support	Various	Various : Various	-	0.570	Oct 2022	0.500	Oct 2023	-		-		-	Continuing	Continuing	-
		Subtotal	-	0.570		0.500		-		-		-	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
PNVC FFRDC	Various	Various : Various	-	3.059	Nov 2022	2.900	Nov 2023	-		-		-	Continuing	Continuing	-
PNVC A&AS	Various	Various : Various	-	2.135	Nov 2022	2.000	Nov 2023	0.500	Nov 2024	-		0.500	Continuing	Continuing	-
PNVC Other Support	Various	Various : Various	-	0.881	Nov 2022	1.250	Nov 2023	-		-		-	Continuing	Continuing	-
		Subtotal	-	6.075		6.150		0.500		-		0.500	Continuing	Continuing	N/A

	Prior Years	FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	33.800		35.319		2.003		-		2.003	Continuing	Continuing	N/A

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673035 / *Presidential and National Voice Conferencing*

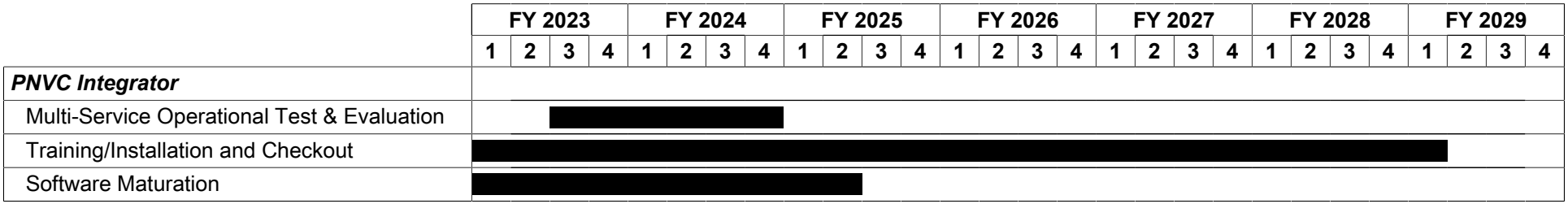

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673035 / *Presidential and National Voice Conferencing*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
PNVC Integrator				
Multi-Service Operational Test & Evaluation	3	2023	4	2024
Training/Installation and Checkout	1	2023	1	2029
Software Maturation	1	2023	2	2025

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3620F / 7	R-1 Program Element (Number/Name) PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	Project (Number/Name) 673040 / *Force Element Terminal*	

COST ($ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
673040: *Force Element Terminal*	-	84.394	56.050	0.604	0.000	0.604	0.000	0.000	0.000	0.000	0.000	141.048
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The FAB-T - Force Element Terminal (FAB-T FET) program replaces the Ultra High Frequency (UHF) Milstar terminal and provides secure, protected, and survivable communications for the strategic warfighter through airborne-based Military Satellite Communication (MILSATCOM) terminals. The FAB-T FET will provide worldwide nuclear and non-nuclear, survivable, anti-jam Low Probability of Detect (LPD)/ Low Probability of Intercept (LPI) data and voice communications. The FAB-T FET will be interoperable with Advanced Extremely High Frequency (AEHF), Enhanced Polar Systems - Recapitalization (EPS-R), and Evolved Strategic SATCOM (ESS) satellite constellations utilizing Extended Data Rate (XDR) waveforms and will be installed on the B-52 aircraft (threshold). FAB-T FET was designated as a Middle Tier of Acquisition (MTA) in February 2019 and is expected to be designated as Major Capability Acquisition at Milestone C.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Title: FAB-T FET	84.394	56.050	0.604
Description: Continue development of FETs. Development activities include, but are not limited to, FAB-T FET design, development, and qualification testing.			
FY 2024 Plans: Funding is for the continued development of FETs. FAB-T FET integration and testing activities will include reliability growth testing and fabrication of test assets; prototype and test terminals will support terminal security, environmental, and functional testing, to include flight testing, and early integration efforts. Planning and support activities will continue, including qualification test planning, logistics support planning, risk reduction activities for development and follow-on production, technical analysis and studies, platform integration support, program office support, and mitigations for Diminishing Manufacturing Sources and Material Shortages in preparation for terminal production.			
FY 2025 Plans: Funding is for the continued development of FETs. FAB-T FET integration and testing activities will include reliability growth testing and fabrication of test assets; prototype and test terminals will support terminal security, environmental, and functional testing, to include flight testing, and early integration efforts.			

Exhibit R-2A, RDT&E Project Justification: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673040 / *Force Element Terminal*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2023	FY 2024	FY 2025
Planning and support activities will continue, including qualification test planning, logistics support planning, risk reduction activities for development and follow-on production, technical analysis and studies, platform integration support, program office support, and mitigations for Diminishing Manufacturing Sources and Material Shortages in preparation for terminal production. ***FY 2024 to FY 2025 Increase/Decrease Statement:*** Funding decrease is based on the reduction of prototype configuration material purchases, integration, testing, and development of FAB-T FET, as production activities continue to ramp up.			
Accomplishments/Planned Programs Subtotals	84.394	56.050	0.604

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
• SPSF 01 FBLOST FAB-T: *FAB-T*	13.078	21.749	15.589	-	15.589	14.426	5.062	5.169	5.273	Continuing	Continuing
• SPSF 01 FBLOST PNVC: *FAB-T*	3.066	3.308	1.675	-	1.675	1.711	1.757	0.000	0.000	0.000	11.517
• SPSF 01 SPAF FET: *FAB-T*	0.000	121.634	234.655	-	234.655	148.819	23.477	23.973	24.457	Continuing	Continuing
• RDTE 07 PNVC: *FAB-T*	33.800	35.319	2.003	-	2.003	0.307	0.313	0.005	0.005	Continuing	Continuing
• RDTE 07 FAB-T CPT: *FAB-T*	6.200	0.000	0.000	-	0.000	0.000	0.000	0.000	0.000	0.000	6.200

Remarks

D. Acquisition Strategy

FAB-T FET Acquisition Strategy: Per the Acquisition Strategy Panel briefed to SAF/AQ on February 7, 2019, FAB-T FET pursued a Rapid Prototyping development Middle Tier Acquisition approach of the National Defense Authorization Act for FY 2016. This Rapid Prototyping program enabled FAB-T FET to accelerate the nominal program development timeline in support of an accelerated USSTRATCOM-requested Initial Operating Capability. FAB-T FET awarded a development effort on January 16, 2020 to develop, build, and test prototypes and test terminals. This Rapid Prototyping effort enabled FAB-T FET to develop, install, and obtain test data from early B-52 FAB-T FET prototypes which will also have residual operations capability. The overall development effort includes system design and build of sufficient test assets to allow for expeditious development, testing, qualification and integration support of the FAB-T FET capability. FAB-T FET will meet B-52 platform requirements to support USSTRATCOM's Strategic Nuclear Command Control and Communication (NC3) mission. On January 4, 2023, SAF/SQ approved the FAB-T FET Milestone C Acquisition Strategy which establishes the plan for the program to transition to the Major Capability Acquisition Pathway at Milestone C. Additionally, the program will begin Low-Rate Initial Production at Milestone C.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673040 / *Force Element Terminal*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T FET Development Contracts	Various	Raytheon : Marlborough, MA	-	61.635	Dec 2022	38.199	Dec 2023	0.401	Dec 2024	-		0.401	Continuing	Continuing	-
FAB-T FET Technical Mission Analysis	Various	Various : Various	-	0.633	Dec 2022	1.000	Dec 2023	0.103	Dec 2024	-		0.103	Continuing	Continuing	-
FAB-T FET Enterprise SE&I	Various	Various : Various	-	0.127	Mar 2023	0.100	Mar 2024	-		-		-	Continuing	Continuing	-
		Subtotal	-	62.395		39.299		0.504		-		0.504	Continuing	Continuing	N/A

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T FET Test & Evaluation and Assets	Various	Various : Various	-	5.742	Dec 2022	6.500	Dec 2023	0.100	Dec 2024	-		0.100	Continuing	Continuing	-
		Subtotal	-	5.742		6.500		0.100		-		0.100	Continuing	Continuing	N/A

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
FAB-T FET FFRDC	Various	Various : Various	-	6.779	Dec 2022	4.250	Dec 2023	-		-		-	Continuing	Continuing	-
FAB-T FET Other Support	Various	Various : Various	-	2.926	Dec 2022	3.501	Dec 2023	-		-		-	Continuing	Continuing	-
FAB-T FET A&AS	Various	Various : Various	-	6.552	Jan 2023	2.500	Jan 2024	-		-		-	Continuing	Continuing	-
		Subtotal	-	16.257		10.251		-		-		-	Continuing	Continuing	N/A

	Prior Years	FY 2023 Cost	FY 2023 Award Date	FY 2024 Cost	FY 2024 Award Date	FY 2025 Base Cost	FY 2025 Base Award Date	FY 2025 OCO Cost	FY 2025 OCO Award Date	FY 2025 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	-	84.394		56.050		0.604		-		0.604	Continuing	Continuing	N/A

Exhibit R-3, RDT&E Project Cost Analysis: PB 2025 Air Force			Date: March 2024
Appropriation/Budget Activity 3620F / 7	R-1 Program Element (Number/Name) PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	Project (Number/Name) 673040 / *Force Element Terminal*	

	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	Cost To Complete	Total Cost	Target Value of Contract

Remarks

Beginning in FY 2025, support activities for this program are funded by P-1 Line Item FET000.

Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673040 / *Force Element Terminal*

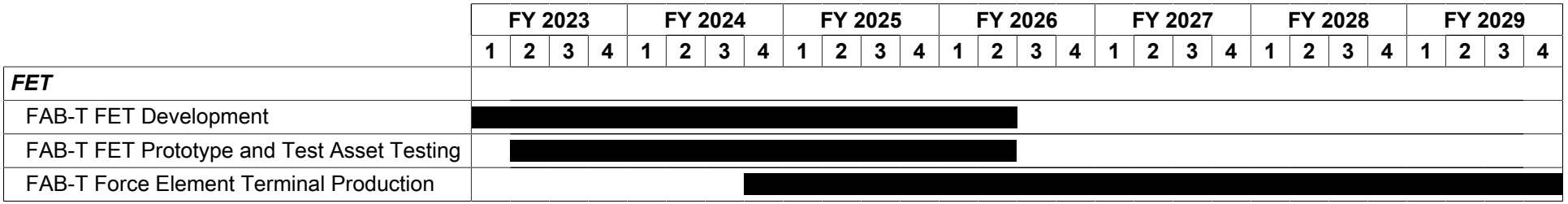

Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 7	**R-1 Program Element (Number/Name)** PE 1203001SF / *Family of Advanced BLoS Terminals (FAB-T)*	**Project (Number/Name)** 673040 / *Force Element Terminal*

Schedule Details

	Start		End	
Events by Sub Project	**Quarter**	**Year**	**Quarter**	**Year**
FET				
FAB-T FET Development	1	2023	2	2026
FAB-T FET Prototype and Test Asset Testing	2	2023	2	2026
FAB-T Force Element Terminal Production	4	2024	4	2029