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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207238F / E-11A
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	64.888	0.000	64.888	159.851	132.335	134.600	135.484	Continuing	Continuing
671201: <i>E-11 Development</i>	-	0.000	0.000	34.587	0.000	34.587	37.252	0.224	0.000	0.000	Continuing	Continuing
675383: <i>BATTLEFIELD AIRBORNE COMM NODE (BACN)</i>	-	0.000	0.000	30.301	0.000	30.301	122.599	132.111	134.600	135.484	Continuing	Continuing

Note
 This program, BA 7, PE 0207238F, project , M-Code Military Global Positioning System (MilGPS), is a new start.
 This program, BA 7, PE 0207238F, project 675383, Protected Tactical Waveform (PTW) and Ka-Band Satellite Communications (Ka-SATCOM), is a new start.
 This program, BA 7, PE 0207238F, project 675383, MIDS JTRS BU3 Modernization, is a new start.
 This program, BA 7, PE 0207238F, project 675383, BACN Weapon System Open Mission Systems (OMS), is a new start.
 This program, BA 7, PE 0207238F, project 675383, M-Code Military Global Positioning System (MilGPS), is a new start.

A. Mission Description and Budget Item Justification

Budget Program Activity Code (BPAC) 671201 is primarily focused Operational Systems Development for the E-11 BACN platform, and Budget Program Activity Code (BPAC) 675383 is primarily focused on BACN payload weapon system components.

Battlefield Airborne Communication Node "BACN" enables tactical edge Joint and Coalition information interoperability via air, space, and surface systems, to include a Backbone Network for high capacity data transfer. As requirements emerge, BACN will integrate new hardware and software capabilities that improve system performance, interoperability, availability, prototyping of activities in line with department approach of system development upgrades to support current/future open mission system "OMS" technologies. Efforts may include onboard enhancements such as datalink receiving capability in platform cockpit to include but not limited to Link-16, as well as analysis and developmental efforts to explore feasibility of onboard operators to support onboard payload control capabilities. Efforts include, but are not limited to, expansion of external time reference capabilities, development/integration of additional communications systems/subsystems and components; Ka-Band Satellite Communications "Ka-SATCOM", IBS, PTS, enhancements to Military Global Positioning System "MilGPS", integration of advanced antennas and waveforms, development efforts enabling integration of ABMS/JADC2 capabilities, enhancements to ground support capabilities. Additionally, safety of flight considerations, to include weapon system performance, aircraft structural integrity, availability, continuity of service requirements will be addressed, aircraft avionics upgrades, as well as early system engineering assessments and risk reduction activities associated with weapon system "payload" & "platform" survivability in non-contested through contested environments. Efforts include, if needed, long lead items required for successful integration of subsystems (Ka-Band SATCOM, IBS, PTS, Mil-GPS), required non-recurring engineering and Diminishing Manufacturing Sources "DMS" issues, the development of simulators/trainers, development of training materials, the development of future waveforms that are backwards compatible with existing communications, and technical publications as well as the assimilation of any mandates levied on the BACN weapon system. Execute risk reduction activities for development of future capabilities on BACN payload/aircraft efforts.

*This program element 0207238F is a continuation of legacy program element 0207610F.

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Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force	Date: March 2023
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Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0207238F / E-11A
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This program element may include necessary civilian pay expenses required to manage, execute, and deliver BACN for emergent or unanticipated weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

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 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	64.888	0.000	64.888
Total Adjustments	0.000	0.000	64.888	0.000	64.888
• 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			
• Other Adjustments	0.000	0.000	64.888	0.000	64.888

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force										Date: March 2023		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 671201 / E-11 Development			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
671201: E-11 Development	-	0.000	0.000	34.587	0.000	34.587	37.252	0.224	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207238F, project , M-Code Military Global Positioning System (MilGPS), is a new start.

A. Mission Description and Budget Item Justification

Budget Program Activity Code (BPAC) 671201 is primarily focused Operational Systems Development for the E-11 BACN platform.

Battlefield Airborne Communication Node "BACN" enables tactical edge Joint and Coalition information interoperability via air, space, and surface systems, to include a Backbone Network for high capacity data transfer. As requirements emerge, BACN will integrate new hardware and software capabilities that improve system performance, interoperability, availability, prototyping of activities in line with department approach of system development upgrades to support current/future open mission system "OMS" technologies. Efforts may include onboard enhancements such as datalink receiving capability in platform cockpit to include but not limited to Link-16, as well as analysis and developmental efforts to explore feasibility of onboard operators to support onboard payload control capabilities. Efforts include, but are not limited to, expansion of external time reference capabilities, development/integration of additional communications systems/subsystems and components such as Military Global Positioning System "MilGPS", M-code or future software and integration of advanced antennas and waveforms, development efforts enabling integration of ABMS/JADC2 capabilities, enhancements to ground support capabilities.

Additionally, safety of flight considerations, to include weapon system performance, aircraft structural integrity, availability, continuity of service requirements will be addressed, aircraft avionics upgrades, as well as early system engineering assessments and risk reduction activities associated with weapon system "payload" & "platform" survivability in non-contested through contested environments.

Efforts include required non-recurring engineering and Diminishing Manufacturing Sources "DMS" issues, the development of simulators/trainers, development of training materials, the development of future waveforms that are backwards compatible with existing communications, and technical publications as well as the assimilation of any mandates levied on the BACN weapon system. Execute risk reduction activities for development of future capabilities on BACN payload/aircraft efforts.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

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.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>Title: M-Code Military Global Positioning System (MilGPS)</p> <p>Description: Effort enhances MilGPS, including development and integration of emerging GPS and/or PNT technologies such as M-Code, testing, & complete certification. Funds engineering and integration of M-Code GPS capabilities within the E-11 aircraft avionics suite. All E-11s existing and procured are required to have M-Code GPS and this effort will provide enhanced military grade GPS capabilities to the full BACN fleet. Substantial analysis, design, systems engineering, and developmental activities are required to integrate capabilities onboard existing E-11s as the aircraft are civilian derivative aircraft.</p> <p>FY 2023 Plans: No Prior Year Funding</p> <p>FY 2024 Base Plans: Provides engineering and integration methods for MilGPS M-Code technology on new and existing E-11s. Effort includes test and integration into the BACN E-11A Platform. Due to aircraft being civilian derivative, integration efforts will require extensive testing to assure/maintain airworthiness and complete certifications as required.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: No prior year funding</p>	0.000	0.000	31.846	0.000	31.846
<p>Title: Program Support Costs</p> <p>Description: Various Support Costs to Include: Test Direct Cite Authorization Travel Assessments FFRDC A&AS</p> <p>FY 2023 Plans: No Prior Year Funding</p> <p>FY 2024 Base Plans:</p>	-	0.000	2.741	0.000	2.741

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force	Date: March 2023
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Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development
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B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Fund support contracts at the program management office.					
FY 2024 OCO Plans: N/A					
FY 2023 to FY 2024 Increase/Decrease Statement: No Prior Year Funding					
Accomplishments/Planned Programs Subtotals	0.000	0.000	34.587	0.000	34.587

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

N/A

Remarks

D. Acquisition Strategy

Acquisition strategies varied by effort that provide research, development, integration and interoperability of the BACN platform, payload, supporting systems and equipment and will utilize all contracting options and mechanisms available.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development
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Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
M-Code MilGPS	SS/CPAF	Northrop Grumman : San Diego, CA	-	-		-		31.846	Mar 2024	-		31.846	Continuing	Continuing	-
Subtotal			-	-		-		31.846		-		31.846	Continuing	Continuing	N/A

Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Test	PO	Test Wing : TBD	-	-		-		0.389		-		0.389	Continuing	Continuing	-
Subtotal			-	-		-		0.389		-		0.389	Continuing	Continuing	N/A

Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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			
Direct Cite Authorization	TBD	Civilian Pay : TBD	-	-		-		0.762	Dec 2023	-		0.762	Continuing	Continuing	-
Travel	TBD	Not specified. : TBD	-	-		-		0.044		-		0.044	Continuing	Continuing	-
Assessments	C/TBD	Not specified. : TBD	-	-		-		0.453		-		0.453	Continuing	Continuing	-
FFRDC	SS/CPAF	MITRE Corp. : Bedford, MA	-	-		-		0.888	Oct 2023	-		0.888	Continuing	Continuing	-
A&AS	C/CPAF	ARS, Inc. : Beavercreek, OH	-	-		-		0.205	Mar 2024	-		0.205	Continuing	Continuing	-
Subtotal			-	-		-		2.352		-		2.352	Continuing	Continuing	N/A

			Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	-	-	34.587	-	34.587	Continuing	Continuing	N/A

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Air Force **Date:** March 2023

Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development
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FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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

E-11 Development	
M-Code MilGPS	[REDACTED]

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 671201 / E-11 Development

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>E-11 Development</i>				
M-Code MilGPS	2	2024	2	2025

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force										Date: March 2023		
Appropriation/Budget Activity 3600 / 7					R-1 Program Element (Number/Name) PE 0207238F / E-11A				Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)			
COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
675383: BATTLEFIELD AIRBORNE COMM NODE (BACN)	-	0.000	0.000	30.301	0.000	30.301	122.599	132.111	134.600	135.484	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

Note

This program, BA 7, PE 0207238F, project 675383, Protected Tactical Waveform (PTW) and Ka-Band Satellite Communications (Ka-SATCOM), is a new start.
 This program, BA 7, PE 0207238F, project 675383, MIDS JTRS BU3 Modernization, is a new start.
 This program, BA 7, PE 0207238F, project 675383, BACN Weapon System Open Mission Systems (OMS), is a new start.
 This program, BA 7, PE 0207238F, project 675383, M-Code Military Global Positioning System (MilGPS), is a new start.

A. Mission Description and Budget Item Justification

Budget Program Activity Code (BPAC) 675383 is primarily focused on BACN payload weapon system components.

Battlefield Airborne Communication Node "BACN" enables tactical edge Joint and Coalition information interoperability via air, space, and surface systems, to include a Backbone Network for high capacity data transfer. As requirements emerge, BACN will integrate new hardware and software capabilities that improve system performance, interoperability, availability, prototyping of activities in line with department approach of system development upgrades to support current/future open mission system "OMS" technologies. Efforts may include onboard enhancements such as datalink receiving capability in platform cockpit to include but not limited to Link-16, as well as analysis and developmental efforts to explore feasibility of onboard operators to support onboard payload control capabilities. Efforts include, but are not limited to, expansion of external time reference capabilities, development/integration of additional communications systems/subsystems and components such as Ka-Band Satellite Communications "Ka-SATCOM", IBS, Protected Tactical Waveform "PTW". Integration of advanced antennas and waveforms, development efforts enabling integration of ABMS/ JADC2 capabilities, enhancements to ground support capabilities. Additionally, safety of flight considerations, to include weapon system performance, aircraft structural integrity, availability, continuity of service requirements will be addressed, aircraft avionics upgrades, as well as early system engineering assessments and risk reduction activities associated with weapon system "payload" & "platform" survivability in non-contested through contested environments. Efforts include required non- recurring engineering and Diminishing Manufacturing Sources "DMS" issues, the development of simulators/trainers, development of training materials, the development of future waveforms that are backwards compatible with existing communications, and technical publications as well as the assimilation of any mandates levied on the BACN weapon system. Execute risk reduction activities for development of future capabilities on BACN payload/aircraft efforts.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver weapon system capability. The use of such program's funds would be in addition to the civilian pay expenses budgeted in program element 0605831F.

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.

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>Title: Protected Tactical Waveform (PTW) and Ka-Band Satellite Communications (Ka-SATCOM)</p> <p>Description: PTW connects tactical users operating in contested and semi contested environments with SATCOM to enable the exchange of tactical information (i.e., threat warnings, time sensitive tracks, mission updates). PTW modems are the only solution for airborne protected, anti-jam tactical SATCOM. This development effort focuses on integrating a COTS SATCOM (Ka-SATCOM) system into the BACN aircraft/payload and additionally integrates a PTW modem, enabling a robust anti-jamming (AJ) system. Provides resilient, AJ SATCOM in contested and semi contested environments for tactical users. Support interoperability among U.S., NATO & Coalition/International Partners.</p> <p>FY 2023 Plans: No prior year funding</p> <p>FY 2024 Base Plans: Begin development effort to integrate PTW onboard BACN/E-11 weapon system. Funding/effort provides for the cabling, software, hardware design work, and systems engineering necessary for full PTW system integration with required testing and airworthiness certification necessary for the military configuration.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: No prior year funding</p>	-	0.000	17.505	0.000	17.505
<p>Title: MIDS JTRS BU3 Modernization</p> <p>Description: MIDS JTRS BU3 fields MIDS MOD Increment 2 software along with current enhancements CCR, CMN, and LET. In addition, data link efficiencies (i.e Timeslot Reallocation (TSR), External Time Reference (ETR), and Link 16 (Voice) provide the tools necessary for modernized network designs in support of COCOM information exchange requirements.</p> <p>Implementation of MIDS-JTRS BU3 is essential to the tactical execution of all operational Air Force missions. Lack of implementation will jeopardize the platform's ability to exchange data in current and future Air Force, Joint and Coalition operations in a denied access environment.</p> <p>FY 2023 Plans:</p>	-	0.000	4.024	0.000	4.024

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<p>No prior year funding</p> <p>FY 2024 Base Plans: Provides engineering design and integration methods for new MIDS-JTRS BU3 technology on new and existing E-11A payloads. Effort includes test and integration into the BACN E-11A Payload. Due to aircraft being civilian derivative, integration efforts will require extensive testing to assure/maintain airworthiness and complete certifications as required.</p> <p>FY 2024 OCO Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: No prior year funding</p>					
<p>Title: BACN Weapon System Open Mission Systems (OMS)</p> <p>Description: Developmental enhancements to the BACN Weapon System capability required for integration of updated enterprise terminals as well as advanced capabilities under development but not yet available. These enhancements may include small scale enhancements to BACN weapon system payload, aircraft, and/or ground sites to enable increased operational effectiveness and/or efficiencies.</p> <p>Open Mission Systems (OMS) is the standard for system design that provides significant cost savings/avoidance, ensures rapid deployment of new technologies and preserves interoperability within fielded or future systems-of systems. OMS is the leading edge plug-n-play technology to rapidly meet warfighter requirements</p> <p>FY 2023 Plans: No prior year funding</p> <p>FY 2024 Base Plans: Begin OMS development efforts to modify the current BACN system's payload software and other components to ensure the weapon system maintains a more standardized interface for future upgrades. These developmental efforts may include but are not limited to analysis, early system engineering, and early developmental/prototype activities well as full scale fielded developments necessary to transform the BACN weapon system into a more modular design, ensuring major system components interface with widely supported standards and allows capabilities to be incrementally added/removed/replace throughout system lifecycle.</p> <p>FY 2024 OCO Plans:</p>	-	0.000	0.733	0.000	0.733

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
N/A					
<i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> No prior year funding					
<i>Title:</i> M-Code Military Global Positioning System (MilGPS) <i>Description:</i> Effort enhances MilGPS, including development and integration of emerging GPS and/or PNT technologies such as M-Code, testing, & complete certification. Funds engineering and integration of M-Code GPS capabilities that will replace P-Y code, which is already in use the payload. All E-11s existing and procured are required to have M-Code GPS and this effort will provide enhanced military grade GPS capabilities to the full BACN fleet. Substantial analysis, design, systems engineering, and developmental activities are required to integrate capabilities onboard existing E-11s as the aircraft are civilian derivative aircraft. <i>FY 2023 Plans:</i> No prior year funding <i>FY 2024 Base Plans:</i> Provides engineering and integration methods for MilGPS M-Code technology on new and existing E-11s. Effort includes test and integration into the BACN E-11A Payload. Due to aircraft being civilian derivative, integration efforts will require extensive testing to assure/maintain airworthiness and complete certifications as required. <i>FY 2024 OCO Plans:</i> N/A <i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> No prior year funding	-	0.000	4.182	0.000	4.182
<i>Title:</i> Program Support Costs <i>Description:</i> Various Support Costs to Include: Test Direct Cite Authorization Travel Assessments FFRDC A&AS	-	0.000	3.857	0.000	3.857

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Exhibit R-2A, RDT&E Project Justification: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
<i>FY 2023 Plans:</i> No prior year funding					
<i>FY 2024 Base Plans:</i> Fund support contracts at the program management office.					
<i>FY 2024 OCO Plans:</i> N/A					
<i>FY 2023 to FY 2024 Increase/Decrease Statement:</i> No prior year funding					
Accomplishments/Planned Programs Subtotals	-	0.000	30.301	0.000	30.301

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

N/A

Remarks

D. Acquisition Strategy

Acquisition strategies varied by effort that provide research, development, integration and interoperability of the BACN platform, payload, supporting systems and equipment and will utilize all contracting options and mechanisms available.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force												Date: March 2023			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
3600 / 7				PE 0207238F / E-11A				675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)							
Product Development (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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
Protected Tactical Waveform	SS/CPFF	Northrop Grumman : San Diego, CA	-	-		-		17.505	Mar 2024	-		17.505	Continuing	Continuing	-
MIDS JTRS BU3 Modernization	SS/CPAF	Not specified. : TBD	-	-		-		4.024	Mar 2024	-		4.024	Continuing	Continuing	-
Open Mission Systems	Various	Not specified. : TBD	-	-		-		0.733	May 2024	-		0.733	Continuing	Continuing	-
M-Code MilGPS	SS/CPAF	Northrop Grumman : San Diego, CA	-	-		-		4.182	Mar 2024	-		4.182	Continuing	Continuing	-
Subtotal			-	-		-		26.444		-		26.444	Continuing	Continuing	N/A
Test and Evaluation (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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
Test	Various	Various : TBD	-	-		-		0.583	Jan 2024	-		0.583	Continuing	Continuing	-
Subtotal			-	-		-		0.583		-		0.583	Continuing	Continuing	N/A
Management Services (\$ in Millions)				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 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
Direct Cite Authorization	TBD	Civilian Pay : TBD	-	-		-		0.762	Dec 2023	-		0.762	Continuing	Continuing	-
Travel	TBD	Not specified. : TBD	-	-		-		0.046		-		0.046	Continuing	Continuing	-
Assessments	C/TBD	TBD : TBD	-	-		-		0.722		-		0.722	Continuing	Continuing	-
FFRDC	SS/CPAF	MITRE Corp. : Bedford, MA	-	-		-		1.283	Oct 2023	-		1.283	Continuing	Continuing	-
A&AS	C/CPAF	ARS, Inc. : Beavercreek, OH	-	-		-		0.461	Mar 2024	-		0.461	Continuing	Continuing	-
Subtotal			-	-		-		3.274		-		3.274	Continuing	Continuing	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force							Date: March 2023				
Appropriation/Budget Activity 3600 / 7			R-1 Program Element (Number/Name) PE 0207238F / E-11A			Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)					
	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract		
Project Cost Totals	-	-	-	30.301	-	30.301	Continuing	Continuing	N/A		

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028			
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

BACN Systems	
PTW	████████████████████
MIDS JTRS BU3	████████████████████
OMS	████████████████████
M-Code MilGPS	████████████████████

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Exhibit R-4A, RDT&E Schedule Details: PB 2024 Air Force		Date: March 2023
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0207238F / E-11A	Project (Number/Name) 675383 / BATTLEFIELD AIRBORNE COMM NODE (BACN)

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>BACN Systems</i>				
PTW	2	2024	2	2025
MIDS JTRS BU3	2	2024	2	2025
OMS	3	2024	3	2025
M-Code MilGPS	2	2024	2	2025