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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 0207417F / <i>Airborne Warning and Control System (AWACS)</i> |
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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 | - | 167.956 | 11.598 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 179.554 |
| 67411L: <i>Airborne Warning & Control System (AWACS)</i> | - | 167.956 | 11.598 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 179.554 |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | - | - |

A. Mission Description and Budget Item Justification

Mission: E-3 Airborne Warning and Control System (AWACS) is the premier airborne platform providing Battle Management Command and Control (BMC2) for Commander In Chief and combatant commander tasking in joint, allied, and coalition operations, humanitarian relief, and homeland defense. AWACS provides a real-time picture of friendly, neutral, and hostile air activity. Its capabilities include: All-altitude/all-weather surveillance of the battle space; early warning of enemy actions; a real-time ability to find, fix, track, and assess airborne or maritime threats; and detection, location, and identification of electronic emitters.

Major efforts for the AWACS program include:

1. E-3 Replacement: E-3 Replacement is the planned E-3G AWACS replacement. The limited operational utility of the E-3G AWACS in contested conflicts coupled with its availability challenges create an operational imperative to replace it. E-3 Replacement will provide improved kill-chain effectiveness, enhanced reliability/availability, and reduced operating costs by integrating a modern Electronically Scanned Array sensor on a manned platform. The electronically scanned array is capable of radar beam steering, sector staring and much faster target revisit rates that translate into better target detection and tracking of modern threats well as more robust Electronic Protection that is not possible with the mechanically scanned radar used by E-3 AWACS. E-3 Replacement, now known as E-7A, has been moved to PE 0604007F.

2. E-3 Training, Support, and Infrastructure (TSI): The TSI program provides continuing lab operations and maintenance support for AWACS modernization and enhancement across the enterprise, as well as the development and execution of an AWACS Integration and Test Support (AITS) lab transfer acquisition strategy. These activities include managing the AWACS Development Test and Evaluation (DT&E) infrastructure and tracking and monitoring the AWACS support equipment and program Government Furnished Property, while managing the cost, schedule, and performance of the AITS lab transfer plan. The overall DT&E test infrastructure supports development and production projects and maintains facilities to support AWACS aircraft during system and sub-system testing in Seattle, WA, Baltimore, MD, and Oklahoma City, OK, along with Third Party Integration support from The Boeing Company to AWACS customers in the System AITS labs. The TSI assets also support multiple Foreign Military Sales (FMS) projects on a maintenance fee basis, not limited to, projects for France, Saudi Arabia and Japan efforts. Key programs include contractual management of the AWACS Avionics Integration Laboratory (AIL) integrated with the Block 40/45 Functional Group configured lab and the AWACS Radar Systems Integration Lab/Software Development Facility (SIL/SDF). These labs provide US, FMS, and Direct Commercial Sales customers with a configured development and qualification system and subsystem environment supporting all AWACS system and radar programs. TSI efforts allow new support equipment technologies and test strategies to be analyzed to ensure concurrent capability to sustain existing, modified, and upgraded E-3 equipment.

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3. E-3 Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR): C2ISR system improvements investigate and develop future capabilities of the AWACS weapon system. These efforts also includes, but are not limited to, investigation, analysis, and development to ensure that AWACS successfully integrates with joint and coalition forces in a net-centric environment. C2ISR primarily supports pre-systems acquisition in the areas of materiel solution analysis and technology development. This is accomplished by prototyping and demonstrating capabilities required by the warfighter but also includes developing an E-3 Modernization & Sustainment Roadmap that projects user capability needs, as well as materiel solutions for the user needs. C2ISR also supports an analytical comparison of the operational effectiveness, suitability, life-cycle cost and system capabilities of alternative materiel solutions beyond the current AWACS that satisfy an established capability need identified in an Initial Capabilities Document (ICD), Rapid Prototyping Requirements Document (RPRD), or Rapid Fielding Requirements Document (RFRD).

4. E-3 Communication Network Upgrade (CNU): CNU will provide a Link 16 capability with high-jam-resistance, high-speed, crypto-secure computer-to-computer connectivity in support of every type of military platform from airborne assets to submarines. The current 20-year-old Class 2 terminal has sustainability/Diminishing Manufacturing Source (DMS) issues and does not support mandated Crypto Mod (CM) & Freq. Remap (FR). CNU resolves DMS issues, provides CM & FR, Link 16 enhancements & growth for Next Gen Tactical Data Link (TDL). CNU capabilities will be delivered in two phases, comprised of three Minimum Viable Product (MVP) efforts. Phase I: MVP1 (Crypto) will provide Enhanced Link 16 Crypto and Frequency Mapping, and MVP2 will provide High Powered Amplification of Communications (HPAs). Phase II: MVP3 (Link 16 Advanced Capabilities) will provide Link 16 advanced communications throughput via ethernet connection.

5. E-3 AWACS Communications Integration Program (ACIP): ACIP will provide Mobile User Objective System (MUOS) and Second-Generation Anti-Jam Tactical UHF Radio for NATO (SATURN) capability by replacing the existing Have Quick II and Demand Assigned Multiple Access (DAMA) SATCOM radios with new radios capable of communicating via multiple waveforms as a combined integration program on AWACS. Provides continued compatibility with US and Allied forces using frequency hopping UHF in support of airborne AMTI & BMC2 to CCMDs for Joint, Allied & Coalition operations by maintaining compatibility with CAF/Sister service C2 nodes and theater assets.

The total cost of the ACIP Middle Tier of Acquisition effort is \$108.765M, including RDT&E and procurement of prototype units.

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 0605827F, 0605828F, 0605829F, 0605831F, 0605832F, 0605833F, 0605898F, 0606398F. In FY22, \$2.525M was expended for civilian pay expenses in this program element, and in FY23, \$4.538M is forecasted for civilian pay expenses in this program element.

Note: FY22 Funding is incorrect due to database error. Due to database error, rescissions of \$20M and reprogramming action of \$3.925M are not reflected in FY22. FY22 funding should equal \$145.278M

Program Element 0604007F has been established for the E-3 Replacement, now known as E-7A.

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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 | 167.014 | 239.658 | 599.899 | 0.000 | 599.899 |
| Current President's Budget | 167.956 | 11.598 | 0.000 | 0.000 | 0.000 |
| Total Adjustments | 0.942 | -228.060 | -599.899 | 0.000 | -599.899 |
| • Congressional General Reductions | 0.000 | 0.000 | | | |
| • Congressional Directed Reductions | 0.000 | -1.000 | | | |
| • Congressional Rescissions | 0.000 | 0.000 | | | |
| • Congressional Adds | 0.000 | 0.000 | | | |
| • Congressional Directed Transfers | 0.000 | -226.776 | | | |
| • Reprogrammings | 6.603 | 0.000 | | | |
| • SBIR/STTR Transfer | -5.661 | 0.000 | | | |
| • Other Adjustments | 0.000 | -0.284 | -599.899 | 0.000 | -599.899 |

Change Summary Explanation

FY2023 Congressional Directed Reduction against CNU -\$1.000M; Congressional Directed Transfer -\$226.776M from PE 0207417F to 0604007F; Other Adjustments -\$0.284M FFRDC reduction

| C. Accomplishments/Planned Programs (\$ in Millions) | FY 2022 | FY 2023 | FY 2024 |
|---|----------------|----------------|----------------|
| Title: E-3 Replacement | 22.163 | 0.000 | 0.000 |
| Description: E-3 Replacement: E-3 Replacement is the planned E-3G AWACS replacement. The limited operational utility of the E-3G AWACS in contested conflicts coupled with its availability challenges create an operational imperative to replace it. E-3 Replacement will provide improved kill-chain effectiveness, enhanced reliability/availability, and reduced operating costs by integrating a modern Electronically Scanned Array sensor on a manned platform. The electronically scanned array is capable of radar beam steering, sector staring and much faster target revisit rates that translate into better target detection and tracking of modern threats well as more robust Electronic Protection that isn't possible with the mechanically scanned radar used by E-3 AWACS. E-3 Replacement, now known as, E-7A has been moved to PE 0604007F. | | | |
| FY 2023 Plans: N/A | | | |
| FY 2024 Plans: N/A | | | |
| FY 2023 to FY 2024 Increase/Decrease Statement: | | | |

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2024 Air Force | | Date: March 2023 | | |
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| C. Accomplishments/Planned Programs (\$ in Millions) | | FY 2022 | FY 2023 | FY 2024 |
| N/A | | | | |
| <p>Title: E-3 Training, Support and Infrastructure (TSI)</p> <p>Description: Training, Support, and Infrastructure (TSI): Provides continuing management support for AWACS modernization and enhancement to include managing the AWACS Development Test and Evaluation (DT&E) and Production Qualification infrastructure and tracking and monitoring the AWACS vendor's core mission and aircrew training, support equipment and program Government Furnished Property, as well as providing Third Party Integration support from The Boeing Company to the AWACS Enterprise.</p> <p>FY 2023 Plans: TSI will continue to maintain and provide DT&E labs to AWACS programs and supporting AWACS modernization development and production providing an environment for integration & verification efforts. TSI supports Third Party Integration efforts using The Boeing Company AWACS labs in Oklahoma and Washington. TSI supports AWACS and other OSD mandated interoperability testing and supports mandatory AWACS Operational, Safety, and Suitability and Effectiveness program.</p> <p>FY 2024 Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement: Funding discontinued to align with reduced E-3 development activities due to planned transition to E-3 Replacement.</p> | | 6.586 | 1.413 | 0.000 |
| <p>Title: E-3 Command and Control, Intelligence, Surveillance and Reconnaissance (C2ISR)</p> <p>Description: Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR): Investigate and develops future capabilities of the AWACS weapon system to include but are not limited to investigation, analysis, and development to ensure that AWACS successfully integrates with joint and coalition forces in a net-centric environment. Primarily supports pre-systems acquisition in the areas of materiel solution analysis and technology development (i.e., risk reduction activities).</p> <p>FY 2023 Plans: Continue to conduct engineering / integration studies to determine required modifications and associated costs to upgrade and support risk reduction activities for program planning. Continue to execute cooperative independent research and development.</p> <p>FY 2024 Plans: N/A</p> <p>FY 2023 to FY 2024 Increase/Decrease Statement:</p> | | 34.867 | 1.801 | 0.000 |

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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 0207417F / <i>Airborne Warning and Control System (AWACS)</i> | | |
| C. Accomplishments/Planned Programs (\$ in Millions) | | FY 2022 | FY 2023 | FY 2024 |
| Funding discontinued to align with reduced E-3 development activities due to planned transition to E-3 Replacement. | | | | |
| Title: E-3 Combat Identification (CID) Diminishing Manufacturing Sources (DMS) Description: Combat Identification (CID) Diminishing Manufacturing Sources (DMS): Addresses C2 CID shortfalls with a modern, persistent Airborne Moving Target Indication (AMTI) BMC2 CID. Supports the kill chain and decision superiority. FY 2023 Plans: N/A FY 2024 Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: N/A | | 20.610 | 0.000 | 0.000 |
| Title: E-3 Communication Network Upgrade (CNU) Description: Communication Network Upgrade (CNU): Provides a Link 16 capability with high-jam-resistance, high-speed, crypto-secure computer-to-computer connectivity in support of every type of military platform from from airborne assets to submarines. FY 2023 Plans: Continue rapid prototyping and development contract. FY 2024 Plans: N/A FY 2023 to FY 2024 Increase/Decrease Statement: Funding decreased due to planned completion of Rapid Prototyping. | | 41.734 | 1.000 | 0.000 |
| Title: E-3 AWACS Communications Integration Program (ACIP) Description: AWACS Communications Integration Program (ACIP) Development: Provides Mobile User Objective System (MUOS) and Second Generation Anti-Jam Tactical UHF Radio for NATO (SATURN) capability by replacing the existing Have Quick II and DAMA SATCOM radios with new radios capable of communicating via multiple waveforms as a combined integration program on AWACS. FY 2023 Plans: | | 41.996 | 7.384 | 0.000 |

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| C. Accomplishments/Planned Programs (\$ in Millions) | FY 2022 | FY 2023 | FY 2024 |
|---|----------------|----------------|----------------|
| Continue Rapid Prototyping and development of the SATURN effort | | | |
| FY 2024 Plans: N/A | | | |
| FY 2023 to FY 2024 Increase/Decrease Statement: Funding decreased due to planned completion of Rapid Prototyping. | | | |
| Accomplishments/Planned Programs Subtotals | 167.956 | 11.598 | 0.000 |

| D. Other Program Funding Summary (\$ in Millions) | | | | | | | | | | | |
|---|----------------|----------------|-------------------------------|------------------------------|--------------------------------|----------------|----------------|----------------|----------------|-----------------------------------|-------------------|
| <u>Line Item</u> | <u>FY 2022</u> | <u>FY 2023</u> | <u>FY 2024</u> <u>Base</u> | <u>FY 2024</u> <u>OCO</u> | <u>FY 2024</u> <u>Total</u> | <u>FY 2025</u> | <u>FY 2026</u> | <u>FY 2027</u> | <u>FY 2028</u> | <u>Cost To</u> <u>Complete</u> | <u>Total Cost</u> |
| • APAF 05 Line Item E00300: E-3 | 91.301 | 29.187 | 1.350 | - | 1.350 | 32.577 | 0.818 | 0.873 | 1.396 | 0.000 | 157.502 |
| • APAF 05 0207417F: <i>Airborne Warning and Control System (AWACS)</i> | 24.827 | - | - | - | - | - | - | - | - | 0.000 | 24.827 |
| • APAF 06 Line Item 000999: <i>Initial Spares/Repair Parts</i> | 4.274 | - | - | - | - | - | - | - | - | 0.000 | 4.274 |

Remarks

E. Acquisition Strategy
The modernization of the AWACS weapon system consists of multiple capability upgrades that are developed and fielded on competitive and sole source contracts. Full and open competition is explored for all new efforts where market research indicates opportunities exist.

Air Force Program Executive Officer (PEO) for Digital is the Milestone Decision Authority (MDA) for AWACS Programs, with the exception of the E-3 Block 40/45 Upgrade. The E-3 Block 40/45 Upgrade MDA is the Secretary of the Air Force, with authority delegated to the Assistant Secretary of the Air Force (Acquisition, Technology, and Logistics). Of note, E-3 Block 40/45 Upgrade has completed development activities, so it has no RDT&E funding and therefore not referenced in this document. The Decision Authority for current AWACS Middle Tier of Acquisition (MTA) and ACAT III programs is delegated to the E-3 Material Leaders. Air Force Life Cycle Management Center (AFLCMC) is the contracting authority for the AWACS portfolio and provides contracts, legal, and comptroller Support.

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

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| Appropriation/Budget Activity 3600 / 7 | R-1 Program Element (Number/Name) PE 0207417F / Airborne Warning and Control System (AWACS) | Project (Number/Name) 67411L / Airborne Warning & Control System (AWACS) |
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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 | | | |
| E-3 Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) | SS/ Various | BAH & Various : Washington, DC | - | 11.780 | Jan 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) GTRI Study | SS/CPFF | Georgia Tech Research Ins : Atlanta, GA | - | 1.523 | Jan 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) Follow on Studies and Analysis | SS/CPFF | Boeing : Oklahoma City, OK | - | 8.289 | May 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Command and Control, Intelligence, Surveillance and Reconnaissance (C2ISR) Software Engineering Institute (SEI) | SS/CPFF | SEI : Pittsburgh, PA | - | 1.703 | May 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Combat Identification (CID) Diminishing Manufacturing Sources (DMS) Prototype Development | MIPR | DMEA : McClellan, CA | - | 2.109 | Jun 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Combat Identification (CID) Diminishing Manufacturing Sources (DMS) Software and Sub-System Level Development | SS/CPFF | Raytheon : Fort Wayne, IN | - | 18.240 | Jan 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Combat Identification (CID) Diminishing Manufacturing Sources | Various | 76 SWES : Tinker AFB, OK | - | 0.261 | Jan 2022 | - | | - | | - | | - | Continuing | Continuing | - |

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

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| Appropriation/Budget Activity 3600 / 7 | R-1 Program Element (Number/Name) PE 0207417F / Airborne Warning and Control System (AWACS) | Project (Number/Name) 67411L / Airborne Warning & Control System (AWACS) |
|--|---|--|

| 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 | | | |
| (SMS) Software Development | | | | | | | | | | | | | | | |
| E-3 Communication Network Upgrade (CNU) | Various | Space & Naval Warfare Sys : San Diego, CA | - | 2.500 | Jun 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Communication Network Upgrade (CNU) GTRI | Various | Georgia Tech Research Ins : Atlanta, GA | - | 32.282 | May 2023 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Communication Network Upgrade (CNU) Software Development | Various | 76 SWES : Tinker AFB, OK | - | 3.814 | Jan 2022 | 0.980 | Oct 2023 | - | | - | | - | Continuing | Continuing | - |
| ACIP Rapid Prototyping Alpha Phase | SS/CPFF | BAH : Lexington, MA | - | 32.214 | Aug 2022 | 6.627 | Jun 2023 | - | | - | | - | Continuing | Continuing | - |
| ACIP Rapid Prototyping Gov't Furnished Equipment (GFE) | MIPR | Various : TBD | - | 1.609 | Apr 2022 | - | | - | | - | | - | Continuing | Continuing | - |
| ACIP Rapid Prototyping Risk Reduction Studies and Analysis | MIPR | Various : TBD | - | 1.040 | Mar 2023 | - | | - | | - | | - | Continuing | Continuing | - |
| ACIP Rapid Prototyping Software Development | PO | 76 SWES : Tinker AFB, OK | - | 2.299 | Mar 2023 | - | | - | | - | | - | Continuing | Continuing | - |
| E-3 Replacement Rapid Prototyping | SS/CPIF | The Boeing Company : Tukwila, OK | - | 11.759 | Feb 2023 | - | | - | | - | | - | Continuing | Continuing | - |
| Subtotal | | | - | 131.422 | | 7.607 | | - | | - | | - | 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 | | | |
| E-3 Training, Support & Infrastructure (TSI) Systems AITS II | C/Various | Boeing : Oklahoma City, OK | - | 3.481 | Apr 2022 | 1.413 | Dec 2023 | - | | - | | - | Continuing | Continuing | - |

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| Exhibit R-4, RDT&E Schedule Profile: PB 2024 Air Force | | | Date: March 2023 |
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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 |
| AWACS PE 0207417F | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TSI | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C2ISR | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CID DMS Alpha Phase | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CNU Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACIP Risk Reduction | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACIP Prototyping | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| E-3 Replacement Prototyping | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Exhibit R-4A, RDT&E Schedule Details: PB 2024 Air Force | | Date: March 2023 |
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Schedule Details

| Events by Sub Project | Start | | End | |
|-----------------------------|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| AWACS PE 0207417F | | | | |
| TSI | 1 | 2022 | 1 | 2025 |
| C2ISR | 1 | 2022 | 4 | 2023 |
| CID DMS Alpha Phase | 1 | 2022 | 2 | 2022 |
| CNU Development | 1 | 2022 | 4 | 2024 |
| ACIP Risk Reduction | 1 | 2022 | 4 | 2022 |
| ACIP Prototyping | 4 | 2022 | 1 | 2025 |
| E-3 Replacement Prototyping | 2 | 2023 | 2 | 2028 |