Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force Date: February 2018

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

3600: Research, Development, Test & Evaluation, Air Force I BA 7:

PE 0301017F I Global Sensor Integrated on Network (GSIN)

Operational Systems Development

| COST (\$ in Millions) | Prior Years | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 Total | FY 2020 | FY 2021 | FY 2022 | FY 2023 | Cost To Complete | Total Cost |
|---|----------------|---------|---------|-----------------|----------------|------------------|---------|---------|---------|---------|---------------------|---------------|
| Total Program Element | - | 3.296 | 3.549 | 3.579 | 0.000 | 3.579 | 3.647 | 3.709 | 3.787 | 3.856 | Continuing | Continuing |
| 675368: GSIN (Global Integrated Sensor Network) | - | 3.296 | 3.549 | 3.579 | 0.000 | 3.579 | 3.647 | 3.709 | 3.787 | 3.856 | Continuing | Continuing |
| Quantity of RDT&E Articles | - | - | - | - | - | - | - | - | - | - | | |

A. Mission Description and Budget Item Justification

The mission of USSTRATCOM is to establish and provide full-spectrum, global strike, coordinated space and information operations capabilities to meet both deterrent and decisive national security objectives and to provide operational space support, integrated missile defense, Global Command Control, Communications, and Computers Intelligence Surveillance and Reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter.

GSIN directly supports USSTRATCOM's mission. It nets together selected systems and sensors (from tactical to strategic), including the Nation's most modern and capable assets, taking advantage of their larger numbers, improved algorithms, mobility, and forward deployment to provide earlier cross-cueing and expanded decision space when every second counts. Using these traditionally stove-piped systems and sensors, GSIN enables the warfighter in several ways. First it enables creation of a User Defined Operating Picture (UDOP) to provide a single, unambiguous missile event picture allowing real-time collaboration for nuclear C2 and improved senior leader situational awareness (SA) for effective decision-making. Secondly, it improves Space Situational Awareness (SSA) by tapping additional sensor capability. Thirdly, GSIN dramatically improves the ingestion of non-traditional, but readily available non-US government and commercial data to the space catalog. Finally, the effort addresses several recently signed Joint Urgent Operational Need (JUON) requests for uninterrupted traditional and non-traditional sensor data integration.

The Nation's strategic C2, sensors, and mission planning programs cannot rapidly exchange information across multiple missions creating ambiguity that delays time critical national C2 decision making processes. GSIN developed and established a unified schema that integrates disparate Missile Warning/Missile Defense (MW/MD) data into a single exposed data set providing redundant and unambiguous MW/MD data to national leadership. GSIN also enables other existing sensors to provide data in net-centric formats consumable by other authorized systems and mission areas, thus reducing the need to acquire more sensors. Activities also include studies and analysis to support both current program planning, execution, and future program planning.

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.

PE 0301017F: Global Sensor Integrated on Network (GSI... Air Force

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|--|--|---|---|-----------------------------------|---------------|----------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Ford | ce | | | Date: | February 2018 | |
| Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development | : | | ement (Number/Name) Global Sensor Integrated | | | |
| B. Program Change Summary (\$ in Millions) | FY 2017 | FY 2018 | FY 2019 Base | FY 2019 OCO | FY 2019 T | <u> </u> |
| Previous President's Budget | 3.470 | 3.549 | 3.606 | 0.000 | 3 | .606 |
| Current President's Budget | 3.296 | 3.549 | 3.579 | 0.000 | | .579 |
| Total Adjustments | -0.174 | 0.000 | -0.027 | 0.000 | -0 | .027 |
| Congressional General Reductions | -0.078 | 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 | -0.096 | 0.000 | -0.027 | 0.000 | -0 | .027 |
| C. Accomplishments/Planned Programs (\$ in Millions) | | | | FY 2017 | FY 2018 | FY 2019 |
| Title: Radar/MASINT, other technical intelligence, and Allied Syste | ems | | | 0.59 | | 2.00 |
| Description: Radar/Measurement and Signals Intelligence (MASIN and integrates data from various radars, MASINT and other technic currently do not have coverage. Provide real time data from the set Space Situational Awareness (SSA): Designs, develops, tests, exp sensors into space production systems and the Global Information exposure capabilities. Non-traditional Data Pre Processor (NDPP): Designs, develops, exfrom Commercial, Owner-Operator, and Allied non-traditional sense Global Information Grid. Develops implementation plans to mature Army Navy Transportable Radar (AN/TPY-2): Designs, develops, to defense AN/TPY-2 sensor into space production systems and the Grant Commercial and the Grant Commercial control of the commercial control of the commercial control of the commercial control of the control of the commercial control of the control of | cal intelliger nsors that p loses, and in Grid (GIG). cposes and ors into spa data expos ests, expose | nce sensors in reginereviously reported integrates SSA data. Develop implementates Space Space Space production systure capabilities. | ions of the world where water in hours or days after evaluation previously untappentation plans to mature Situational Awareness (Stems and Space Catalogo | vents. ped data SSA) data via the | | |
| FY 2018 Plans: - Assist in developing plans to address JUONs. Advocate and secution - Continue developing and releasing periodic configuration control - Continue technical outreach processes for new GSIN data consulting - Deliver new GSIN capabilities to match evolving DISA Enterprise - Ensure common XML data schema is compatible with newly delivered - Continue development of new and improved data services. | processes. mers and pr Service upo | roviders. dates. | necessary | | | |

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|---|---|------------|--------------|---------|
| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force | | Date: F | ebruary 2018 | } |
| Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development | R-1 Program Element (Number/Name) PE 0301017F / Global Sensor Integrated on Netwo | ork (GSIN) | | |
| C. Accomplishments/Planned Programs (\$ in Millions) | | FY 2017 | FY 2018 | FY 2019 |
| Begin development and deployment of Radar/MASINT Phase 3 (including | ng operational testing and fielding activities). | | | |
| FY 2019 Plans: - Continue developing and releasing periodic configuration control process - Continue technical outreach processes for new GSIN data consumers an - Deliver new GSIN capabilities to match evolving DISA Enterprise Service - Continue development of new and improved data services Complete development of Radar/MASINT Phase 3. | d providers. | | | |
| FY 2018 to FY 2019 Increase/Decrease Statement: Program funding decreased according to the FY19 requirements. | | | | |
| Title: GSIN Data Integration: Launch Characterization Data Services Net C Technical Outreach | Centric Data Integration Schema Configuration Control | 2.702 | 1.229 | 1.572 |
| Description: Develop common XML net-enabled data schemas and configurations. Missile Warning, Missile Defense, Space, MASINT/Technical Intelligence, associated XML messaging and services. Develop technical outreach for purpose who require GSIN sensor data. Upgrade GSIN capabilities as DISA Enterpreservices. Support integration of GSIN sensor data into appropriate registric services to enable visualization in a common operating picture. Conduct structure correlation, and assessment services for risk reduction evaluations. | and Sensor data to manage the XML schema and potential new GSIN data consumers and providers prise Services evolve. Continue modifications to data es/catalogs. Continue development of GSIN data | | | |
| FY 2018 Plans: - Continue developing and releasing periodic configuration control process - Continue technical outreach processes for new GSIN data consumers an - Deliver new GSIN capabilities to match evolving DISA Enterprise Service - Ensured common XML data schema was compatible with newly delivere - Continue development of new and improved data services Continued development and deployment of MASINT Phase 2 (including Began development and deployment of MASINT Phase 3 (including open | d providers. updates. d capability. operational testing and fielding activities). | | | |
| FY 2019 Plans: - Continue developing and releasing periodic configuration control process - Continue technical outreach processes for new GSIN data consumers an - Deliver new GSIN capabilities to match evolving DISA Enterprise Service - Continue development of new and improved data services. | es. d providers. | | | |

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PE 0301017F: Global Sensor Integrated on Network (GSI...
Air Force

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| Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Air Force | | Date: February 2018 |
|---|--|---------------------|
| 11 | R-1 Program Element (Number/Name) PE 0301017F / Global Sensor Integrated on Network (G | SIN) |
| Operational Systems Development | 1 2 000 10 111 / Closes Consor Integration on Notice (C | 5111) |

| C. Accomplishments/Planned Programs (\$ in Millions) | FY 2017 | FY 2018 | FY 2019 |
|---|---------|---------|---------|
| - Complete development of MASINT Project 3 (including operational testing and fielding activities). | | | |
| FY 2018 to FY 2019 Increase/Decrease Statement: | | | |
| Program funding increased according to the FY19 requirements. | | | |
| Accomplishments/Planned Programs Subtotals | 3.296 | 3.549 | 3.579 |

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

N/A

Remarks

E. Acquisition Strategy

GSIN uses existing government contract vehicles (from agencies such as Missile Defense Agency (MDA) or Air Force Life Cycle Management Center (AFLCMC) to develop and modernize the combined SSA/MW/MD/MASINT/TI data exposure architecture and solution. The contracts are managed by the relevant organizations contracting office. GSIN does not award or manage any contracts.

The AFLCMC at Hanscom AFB, (AFLCMC/HB) provides necessary program management, financial management, and other support as may be applicable for GSIN.

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Air Force

Appropriation/Budget Activity
3600 / 7

R-1 Program Element (Number/Name)
PE 0301017F / Global Sensor Integrated on Network (GSIN)

PE 0301017F / Global Sensor Integrated on Network)

| Product Developmen | | | | FY 2 | 2017 | FY 2 | 2018 | FY 2 Ba | 2019 ise | FY 2 | 2019 CO | FY 2019 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 | Total Cost | Target Value of Contract |
| GSIN OPSCAP Status Capability | C/CPAF | Northrop Grumman : Omaha, NE | - | 2.696 | Aug 2017 | 0.488 | Dec 2017 | - | | - | | - | Continuing | Continuing | - |
| GSIN Non-traditional Space Situational Awareness Data Exposure | C/CPAF | Harris Group : Colorado Springs, CO | - | 0.000 | | - | | - | | - | | - | Continuing | Continuing | - |
| GSIN Net-centric Command and Control Data Exposure | C/CPAF | LM : Huntsville, AL | - | - | | - | | - | | - | | - | Continuing | Continuing | - |
| GSIN Space Situational Awareness Data Exposure - MASINT/TI 3 | C/CPAF | Raytheon : Boston, MA | - | 0.206 | Sep 2017 | - | | - | | - | | - | Continuing | Continuing | - |
| GSIN Space Situational Awareness Data Exposure - MASINT/TI 4 | C/CPAF | Raytheon : Colorado Springs, CO | - | 0.000 | Oct 2016 | 1.600 | Dec 2017 | - | | - | | - | Continuing | Continuing | - |
| GSIN Space Situational Awareness Data Exposure - MASINT/TI 5&6 | C/CPAF | MIT : Boston, MA | - | 0.000 | | 0.000 | | 2.088 | Apr 2019 | - | | 2.088 | Continuing | Continuing | - |
| Publisher/Recorder | C/CPAF | Northrop Grumman : Omaha, NE | - | - | | 0.956 | Nov 2017 | 1.000 | Nov 2018 | - | | 1.000 | Continuing | Continuing | - |
| Strategic Study | C/CPAF | KBR Wyle : Omaha, ND | - | - | | - | | - | | - | | - | Continuing | Continuing | - |
| | | Subtotal | - | 2.902 | | 3.044 | | 3.088 | | - | | 3.088 | Continuing | Continuing | N/A |

| Management Service | es (\$ in M | illions) | | FY 2 | 2017 | FY 2 | 018 | FY 2 Ba | | FY 2 | | FY 2019 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 | Total Cost | Target Value of Contract |
| GSIN Program Management Administration | C/FFP | Various : Omaha, NE | - | 0.394 | Oct 2016 | 0.505 | Oct 2017 | 0.491 | Oct 2018 | - | | 0.491 | Continuing | Continuing | - |
| | | Subtotal | - | 0.394 | | 0.505 | | 0.491 | | - | | 0.491 | Continuing | Continuing | N/A |

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| Exhibit R-3, RDT&E Project Cost Analysis: PB 2 | 2019 Air F | orce | | | | | | | Date: | February | 2018 | |
|--|------------|-------|----------------|--------|---|----------------------------------|-----------------------------------|---------------|--------------------------------|------------|------------|-----|
| Appropriation/Budget Activity 3600 / 7 | | | | PE 030 | • | lement (Nun Global Senso) | Project (675368 / Network) | GSIN (C | , | egrated S | ensor | |
| | FY | 2018 | FY 201 Base | 9 FY 2 | | FY 2019 Total | Cost To | Total Cost | Target Value of Contract | | | |
| Project Cost Totals | - | 3.296 | | 3.549 | | 3.579 | - | | 3.579 | Continuing | Continuing | N/A |

Remarks

PE 0301017F: Global Sensor Integrated on Network (GSI... Air Force

| opriation/Budget Activity 7 | | | | | | | PE 0301017F I Global Sensor Integrated on | | | | | | | | | | Project (Number/Name) 675368 / GSIN (Global Integrated Sens Network) | | | | | | | | | | |
|---|---|------|-----|---|---|------|---|-----|----|-----|---|---|----|------|---|---|--|------|---|---|------|------|---|---|------|-----|---|
| | ı | Y 20 |)17 | | F | Y 20 | 18 | | FY | 201 | 9 | | FY | 2020 | | | FY 2 | 2021 | | | FY 2 | 2022 | | | FY 2 | 202 | 3 |
| | 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 | |
| GSIN Data Exposure | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| GSIN Data Exposure (NDPP) Development | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (NDPP) Production | | | | | | | | | | | | | | | | - | | | | | | | | | | | |
| GSIN Data Exposure (NDPP) Fielding/ Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (NDPP) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (NC2) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (NC2) Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (NC2) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 2) Concept Development | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| GSIN Data Exposure (MASINT 2) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| GSIN Data Exposure (MASINT 2) Production/ Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| GSIN Data Exposure (MASINT 2) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 3) Concept Design | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 3) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 3) Production/ Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 3) Integration and Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | _ |
| GSIN Data Exposure (MASINT 3) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PE 0301017F: Global Sensor Integrated on Network (GSI... Air Force

| hibit R-4, RDT&E Schedule Profile: PB 2019 Ai | ir Fo | rce | | | | | | | | | | | | | | | | | | | | | | : Fel | | | 201 | 8 | |
|---|-------|------|------|---|---|-----|------|---------------------|------|------|-------|---|---|------|------|---|---|----|-----|-----|------|------|------|----------------|---|---|------|------|-----|
| propriation/Budget Activity 00 / 7 | | | | | | | | R-1 PE (Netv | 0301 | 1017 | F / G | | | | | | | | 6 | | 68 / | i GS | | er/Na (Glob | | | grat | ed : | Ser |
| | | FY 2 | 2017 | | | FY: | 2018 | 3 | | FY 2 | 2019 | | | FY 2 | 2020 |) | | FY | 202 | 21 | | F | FY 2 | 2022 | | | FY | 202 | 23 |
| | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 3 4 | 4 | 1 | 2 | 3 | 4 | 1 | 2 | 3 | |
| GSIN Data Exposure (MASINT 4) Concept Design | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 4) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 4) Production/ Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 4) Integration and Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 4) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 5) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 5) Production/ Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 5) Integration and Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (MASINT 5) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (Radar/MASINT 6) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (Radar/MASINT 6) Production/Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (Radar/MASINT 6) Integration and Testing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (Radar/MASINT 6) Operational | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (Radar/MASINT 7) Design and Development | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GSIN Data Exposure (Radar/MASINT 7) Production/Fielding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Date: February 2018 | | | | ir Force | khibit R-4, RDT&E Schedule Profile: PB 2019 A |
|--|------------------------------------|--|---------|----------|---|
| r/Name) Project (Number/Name) stegrated on 675368 / GSIN (Global Integrated Sension Network) | ent (Number/Na al Sensor Integi | 1 Program Eleme n : 0301017F <i>I Globa twork (GSIN)</i> | PE | | opropriation/Budget Activity 600 / 7 |
| 0 FY 2021 FY 2022 FY 2023 | FY 2020 | FY 2019 | FY 2018 | FY 2017 | |
| 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 | 1 2 3 4 | 1 2 3 4 | |
| | | | | | GSIN Data Exposure (Radar/MASINT 7) Integration and Testing |
| | | | | | GSIN Data Exposure (Radar/MASINT 7) Operational |
| | | | | | GSIN Publisher/Recorder Design/ Development |
| | | | | | GSIN Publisher/Recorder Production/Fielding |
| | | | | | GSIN Publisher/Recorder Integration and Testing |
| 1 | | | | | GSIN Complete Deployment of Publisher Recorder |
| | | | | | GSIN OPSCAP Status Design and Development |
| | | | | | GSIN OPSCAP Status Production/Fielding |
| | | | | | GSIN OPSCAP Status Integration and Testing |
| | | | | | GSIN OPSCAP Status Operational |
| | | | | | |
| | | | | | |

PE 0301017F: Global Sensor Integrated on Network (GSI... Air Force

| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force | | | Date: February 2018 |
|---|---|------------|--------------------------------|
| Appropriation/Budget Activity | R-1 Program Element (Number/Name) | Project (N | umber/Name) |
| 3600 / 7 | PE 0301017F I Global Sensor Integrated on | 675368 / G | SSIN (Global Integrated Sensor |
| | Network (GSIN) | Network) | |

Schedule Details

| Events by Sub Project | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| GSIN Data Exposure | | | | |
| GSIN Data Exposure (NDPP) Development | 1 | 2017 | 1 | 2017 |
| GSIN Data Exposure (NDPP) Production | 2 | 2017 | 2 | 2017 |
| GSIN Data Exposure (NDPP) Fielding/Testing | 3 | 2017 | 4 | 2017 |
| GSIN Data Exposure (NDPP) Operational | 4 | 2017 | 4 | 2017 |
| GSIN Data Exposure (NC2) Design and Development | 1 | 2017 | 1 | 2017 |
| GSIN Data Exposure (NC2) Fielding | 1 | 2017 | 4 | 2017 |
| GSIN Data Exposure (NC2) Operational | 1 | 2018 | 1 | 2018 |
| GSIN Data Exposure (MASINT 2) Concept Development | 1 | 2017 | 1 | 2018 |
| GSIN Data Exposure (MASINT 2) Design and Development | 2 | 2018 | 3 | 2018 |
| GSIN Data Exposure (MASINT 2) Production/Fielding | 3 | 2018 | 3 | 2018 |
| GSIN Data Exposure (MASINT 2) Operational | 4 | 2018 | 4 | 2018 |
| GSIN Data Exposure (MASINT 3) Concept Design | 3 | 2017 | 1 | 2018 |
| GSIN Data Exposure (MASINT 3) Design and Development | 2 | 2018 | 3 | 2018 |
| GSIN Data Exposure (MASINT 3) Production/Fielding | 4 | 2018 | 4 | 2018 |
| GSIN Data Exposure (MASINT 3) Integration and Testing | 1 | 2019 | 1 | 2019 |
| GSIN Data Exposure (MASINT 3) Operational | 1 | 2019 | 1 | 2019 |
| GSIN Data Exposure (MASINT 4) Concept Design | 2 | 2018 | 3 | 2018 |
| GSIN Data Exposure (MASINT 4) Design and Development | 4 | 2018 | 4 | 2018 |
| GSIN Data Exposure (MASINT 4) Production/Fielding | 1 | 2019 | 2 | 2019 |
| GSIN Data Exposure (MASINT 4) Integration and Testing | 3 | 2019 | 3 | 2019 |
| GSIN Data Exposure (MASINT 4) Operational | 4 | 2019 | 4 | 2019 |

| Exhibit R-4A, RDT&E Schedule Details: PB 2019 Air Force | | | Date: February 2018 |
|---|---|------------|--------------------------------|
| Appropriation/Budget Activity | R-1 Program Element (Number/Name) | Project (N | umber/Name) |
| 3600 / 7 | PE 0301017F I Global Sensor Integrated on | 675368 / G | SSIN (Global Integrated Sensor |
| | Network (GSIN) | Network) | |

| Events by Sub Project | Start | | End | |
|---|---------|------|---------|------|
| | Quarter | Year | Quarter | Year |
| GSIN Data Exposure (MASINT 5) Design and Development | 3 | 2019 | 4 | 2019 |
| GSIN Data Exposure (MASINT 5) Production/Fielding | 1 | 2020 | 2 | 2020 |
| GSIN Data Exposure (MASINT 5) Integration and Testing | 3 | 2020 | 3 | 2020 |
| GSIN Data Exposure (MASINT 5) Operational | 4 | 2020 | 4 | 2020 |
| GSIN Data Exposure (Radar/MASINT 6) Design and Development | 1 | 2021 | 4 | 2021 |
| GSIN Data Exposure (Radar/MASINT 6) Production/Fielding | 1 | 2022 | 2 | 2022 |
| GSIN Data Exposure (Radar/MASINT 6) Integration and Testing | 3 | 2022 | 3 | 2022 |
| GSIN Data Exposure (Radar/MASINT 6) Operational | 4 | 2022 | 4 | 2022 |
| GSIN Data Exposure (Radar/MASINT 7) Design and Development | 3 | 2022 | 4 | 2022 |
| GSIN Data Exposure (Radar/MASINT 7) Production/Fielding | 1 | 2023 | 2 | 2023 |
| GSIN Data Exposure (Radar/MASINT 7) Integration and Testing | 3 | 2023 | 3 | 2023 |
| GSIN Data Exposure (Radar/MASINT 7) Operational | 4 | 2023 | 4 | 2023 |
| GSIN Publisher/Recorder Design/Development | 2 | 2018 | 2 | 2019 |
| GSIN Publisher/Recorder Production/Fielding | 2 | 2019 | 2 | 2020 |
| GSIN Publisher/Recorder Integration and Testing | 2 | 2020 | 2 | 2020 |
| GSIN Complete Deployment of Publisher Recorder | 3 | 2020 | 3 | 2020 |
| GSIN OPSCAP Status Design and Development | 4 | 2017 | 1 | 2018 |
| GSIN OPSCAP Status Production/Fielding | 2 | 2018 | 2 | 2018 |
| GSIN OPSCAP Status Integration and Testing | 3 | 2018 | 3 | 2018 |
| GSIN OPSCAP Status Operational | 4 | 2018 | 4 | 2018 |

Note

Program transitioned to 03010107F in FY16.