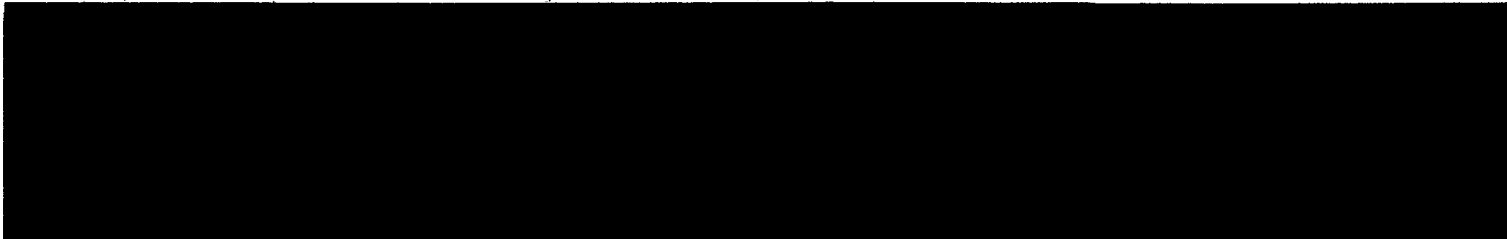


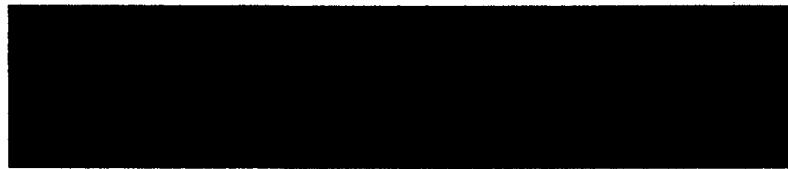
(U) SIGINT STATIONS  
(U) SIGINT GROUND OPERATIONS



This Exhibit is ~~SECRET//NOFORN~~

(U) Description

- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]



- ~~(S//FK)~~ [REDACTED]
- (U) Support to military operations.
- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]
- (U) Tip-off search, test-event monitoring, crisis-area support, and indications and warning.
- ~~(S//FK)~~ [REDACTED]
- ~~(S//FK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

~~(S//TK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

• (U) Spacecraft anomaly resolution.

• ~~(S//TK)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

• (U) SIGINT mission planning and execution for the overhead SIGINT constellation.

• ~~(S//TK)~~ [REDACTED]

• (U) Maintenance for signal processing systems, and selected analysis and reporting systems.

• (U) Mission critical information services including collected data management, computer user hardware and software support, and database management.

• ~~(S//TK)~~ [REDACTED]

• (U) Real-time and offline mission assessment services.

• (U) Infrastructure support such as networks, facilities, configuration management, asset recapitalization, and so forth.

### (U) Performance Information

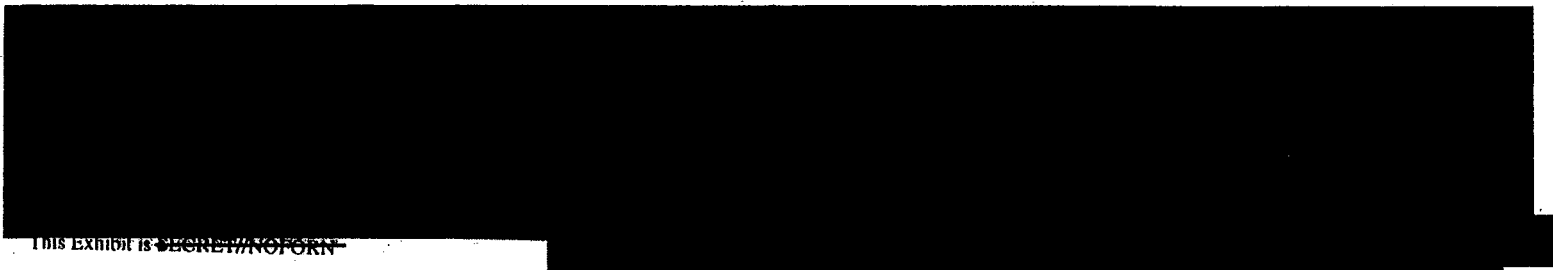
(U//FOUO) This project supports NIS Mission Objectives 1, defeat terrorists at home and abroad and seize the initiative from global extremists; Mission Objective 2, prevent and counter the spread of weapons of mass destruction; Mission Objective 3, bolster the growth of democracy and sustain peaceful democratic states; Mission Objective 4, develop innovative ways to penetrate and analyze the most difficult targets; Mission Objective 5, anticipate developments of strategic concern and identify opportunities as well as vulnerabilities for decisionmakers; Enterprise Objective 3, re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

~~(S//TK)~~ [REDACTED]

(U) In FY 2007

• ~~(S//TK)~~ [REDACTED]

**(U) SIGINT STATIONS**  
**(U) SIGINT STATION INTEGRATION & SUPPORT**



~~THIS EXHIBIT IS SECRET//NOFORN~~

**(U) Description**

(U) The SIGINT Station Integration & Support project focuses systems engineering efforts on O&M engineering challenges affecting every aspect of SIGINT collection and production. The types of engineering support performed include:

- (U) Conduct integration of space C&C systems, ground processing, and other infrastructure systems.
- (U) Perform validation and verification of the technical performance baseline.
- (U) Conduct engineering assessment as to the "readiness" of a capability to be placed into the operational baseline.
- (U) Support on-orbit testing of new spacecraft functionality and capabilities.
- (U) Support and conduct spacecraft anomaly resolution.
- (U) Support and evaluate IOSA constellation strategy options.
- (U) Perform operational evaluations.
- (U) Perform operational need statement evaluations.

- (U) Conduct operational testing and checkout support for legacy and IOSA spacecraft.
- (U) Conduct engineering assessments of new operational capabilities.
- (U) Support spacecraft decommissioning efforts.

(U) This project also provides funding for Contracted Advisory and Assistance Services (CAAS) and Federally Funded Research and Development Center (FFRDC) support.

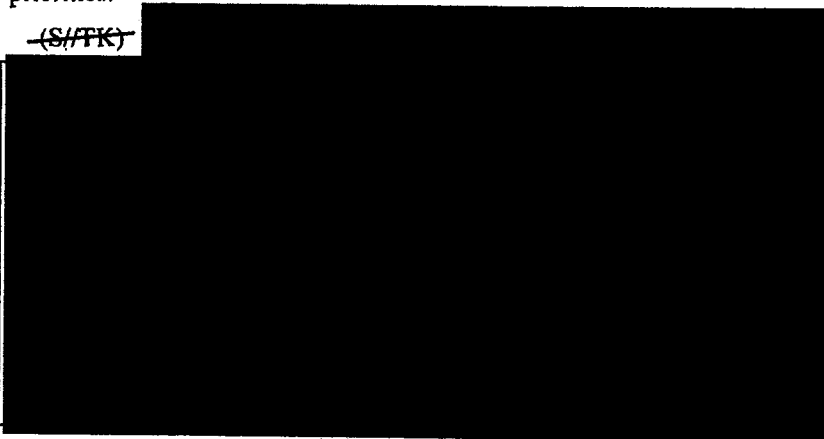
(U) This project further provides funding to support personnel travel, Permanent Change of Station (PCS) moves to and from the SIGINT MGSs, mission training, and awards recognition.

**(U) Performance Information**

(U/~~FOUO~~) This project supports NIS Mission Objectives 1, defeat terrorists at home and abroad and seize the initiative from global extremists; Mission Objective 2, prevent and counter the spread of weapons of mass destruction; Mission Objective 3, bolster the growth of democracy and sustain peaceful democratic states; Mission Objective 4, develop innovative ways to penetrate and analyze the most difficult targets; Mission Objective 5, anticipate developments of strategic

concern and identify opportunities as well as vulnerabilities for decisionmakers; Enterprise Objective 3, re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

~~(S//FK)~~



(U) In FY 2008

• ~~(S//FK)~~

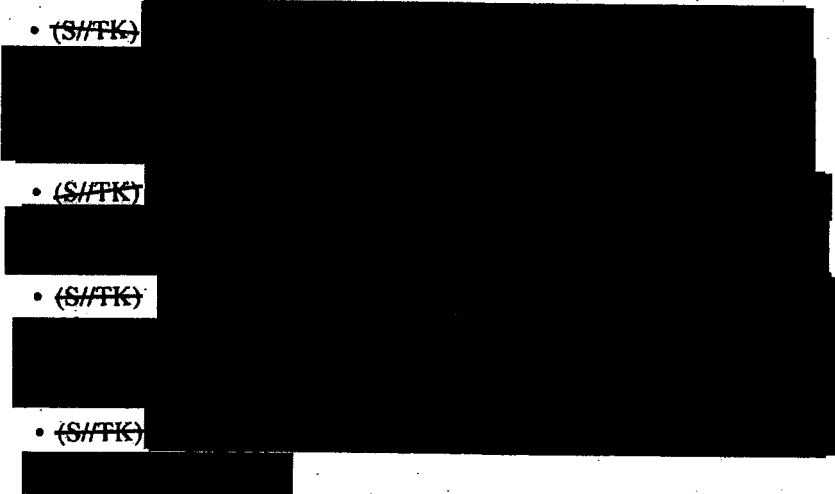


• ~~(S//FK)~~

• ~~(S//TK)~~

(U) In FY 2007

• ~~(S//FK)~~



• ~~(S//FK)~~

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• ~~(S//FK)~~

**(U) GEOINT STATIONS**  
**(U) GEOINT GROUND OPERATIONS**

[REDACTED]

This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

~~(U//FOUO)~~ The GEOINT Ground Operations project provides 24-hour operations for IMINT and associated communication satellites. This includes operations, on-site maintenance and mission engineering for command and control, mission planning, and data processing, as well as satellite maintenance for those satellite systems no longer in development.

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

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[REDACTED]

[REDACTED]

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[REDACTED]

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[REDACTED]

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- (S//TK) [REDACTED]
- (S//TK) [REDACTED]
- (S//TK) [REDACTED]
- (S//TK) [REDACTED]
- (S//TK//NF) [REDACTED]
- (S//TK) [REDACTED]

- (S//TK//NF) [REDACTED]

**(U) Performance Information**

(U//FOUO) This project supports NIS Mission Objectives (MO) 1, Defeat terrorists at home and abroad and seizing the initiative from them by promoting the growth of freedom and democracy; MO 2, Prevent and counter the spread of weapons of mass destruction; MO 3, Bolster the growth of democracy and help sustain peaceful democratic states, MO 4, Develop innovative ways to penetrate and analyze the most difficult targets; MO 5, Anticipate developments of strategic concern and identify opportunities as well as vulnerabilities for decision-makers, and Primary Enterprise Objective (P-EO) 3, Re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

(U) The following important performance outcomes, to be accomplished in FY 2007, FY 2008, and future years, contribute to achieving these objectives:

- (S//TK//NF) [REDACTED]

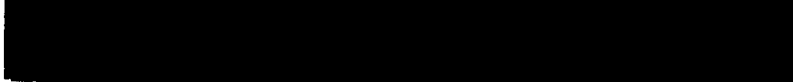


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**(U) In FY 2007**

- (S//REL TO USA, AUS, CAN, GBR) [REDACTED]



- (S//REL TO USA, AUS, CAN, GBR) [REDACTED]

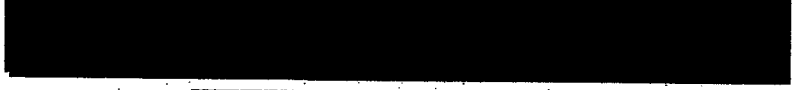


**(U) In FY 2008**

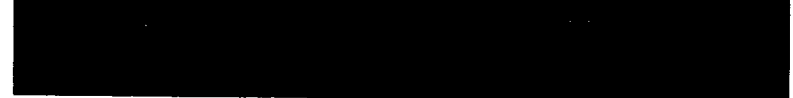
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- (S//REL TO USA, AUS, CAN, GBR) [REDACTED]



- (S//TK//NF) [REDACTED]

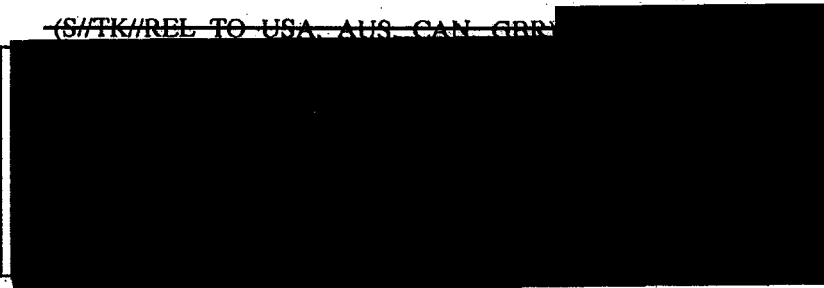


**(U) GEOINT STATIONS  
(U) GEOINT STATION INTEGRATION & SUPPORT**



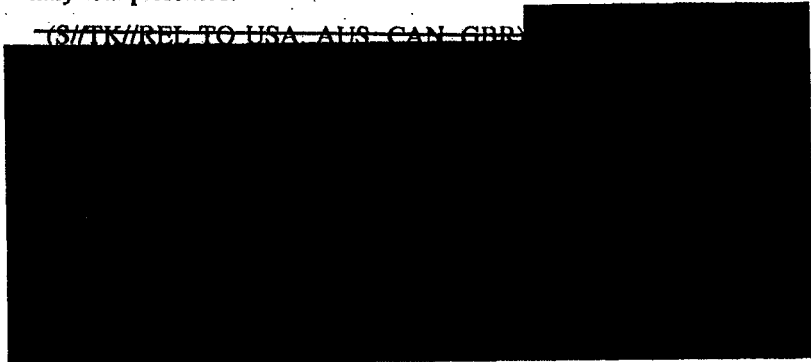
**(U) Description**

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~



Primary Enterprise Objective (P-EO) 3, Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytical priorities.

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

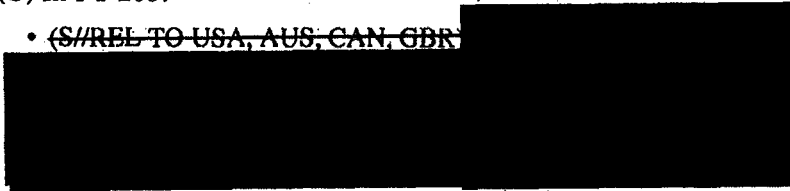


**(U) Performance Information**

~~(U//EOUO)~~ This project supports: Mission Objective (MO) 1, Defeat terrorists at home and abroad and seizing the initiative from them by promoting the growth of freedom and democracy; MO 2, Prevent and counter the spread of weapons of mass destruction; MO 3, Bolster the growth of democracy and help sustain peaceful democratic states; MO 4, Develop innovative ways to penetrate and analyze the most difficult targets; MO 5, Anticipate developments of strategic concern and identify opportunities as well as vulnerabilities for decisionmakers; and

**(U) In FY 2007**

• ~~(S//REL TO USA, AUS, CAN, GBR)~~



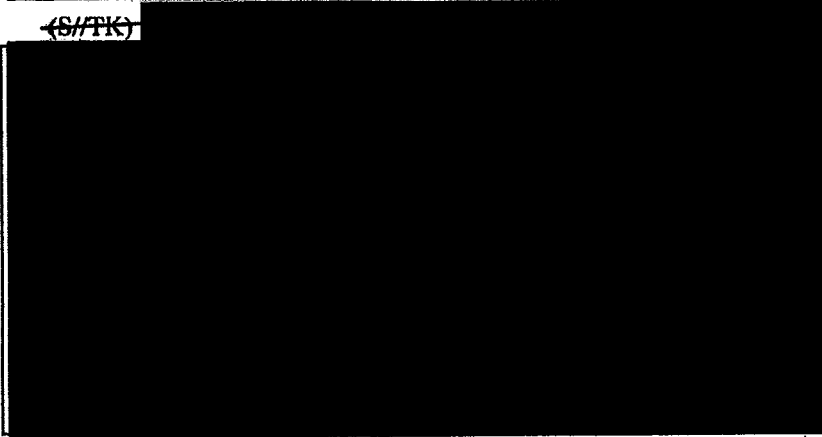
## (U) GEOINT/SIGINT INTEGRATED GROUND DEVELOPMENT ENGINEERING & MANAGEMENT



This Exhibit is ~~SECRET//NOFORN~~

FY 2006 includes Base, Title IX, and Supplemental Appropriations

### (U) Description



- (U) Defeat Terrorists at Home and Abroad.
- (U) Prevent and Counter the Spread of WMD.
- (U) Develop Innovative Ways to Penetrate and Analyze the Most Difficult Targets.
- (U) Rebalance, integrate and optimize collection capabilities to meet current and future customer and analytic priorities.

(U) The UGA will meet these objectives by developing, operating, and managing NRO ground systems as a unified architecture focused on multidiscipline and end-to-end solutions to intelligence problems. Specifically, the UGA will enable:

- (U) Multi-INT, cross-site/cross-system (CS/CS) tasking, cueing, and cooperative collection; change detection, data fusion, data filtering, and data and information access; and global situational awareness.
- (U) Rapid insertion of technology for interoperability and to keep pace with evolving targets and threats.
- (U) Insertion of adaptive mission applications by applying commercial, state-of-the-art information technologies.



- (U) Begin the transition from INT-specific, point-to-point systems to a unified architecture based on standards, services, and net-centricity.



• (S)

• (U) Develop a set of metadata standards to allow data and information to be fully utilized through an integrated, services-oriented ground architecture in cooperation with our partners at NGA, NSA, and DIA.

(U) This EC is comprised of the following five projects:

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

~~(S//TK)~~

(U//FOUO) GEOINT Ground Integration and Support project ensures image and product quality, and supports relatively low-cost, near-term, high-payoff prototyping efforts to ensure the IC and other users obtain maximum intelligence benefit from the overhead GEOINT collection and processing. This is a continuing project to leverage sensor and processing knowledge to increase constellation performance against user needs and hard target intelligence problems. The goal is to evolve

advanced or enhanced capabilities into the unified ground architecture, with emphasis on distributed processing, interoperability, survivability, and high-performance computing.

~~(S)~~

• (U) Actively engage national and military users to respond to evolving targets and rapidly changing mission priorities, ensuring that ground and processing systems conform to the Unified Cryptologic Architecture.

• (S)

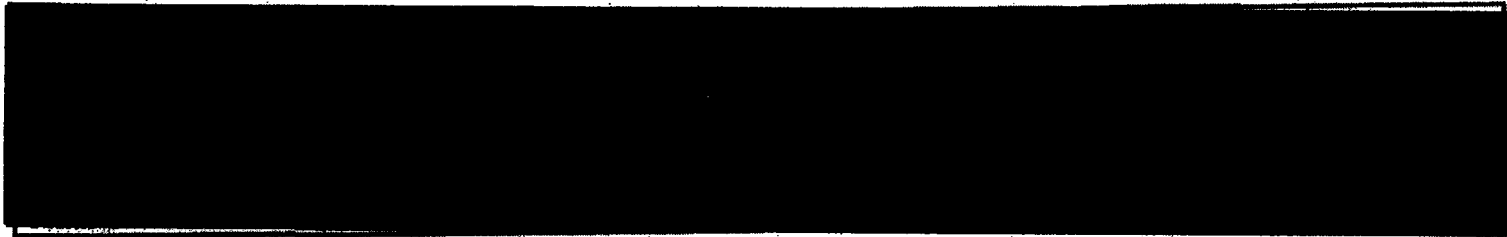
~~(S//TK)~~

### (U) Budget Request – Key Changes

(U) The FY 2008 request reflects the following changes from FY 2007 base appropriations, excluding bridge and supplemental funding for Counterterrorism and Iraq operations:

• (S)

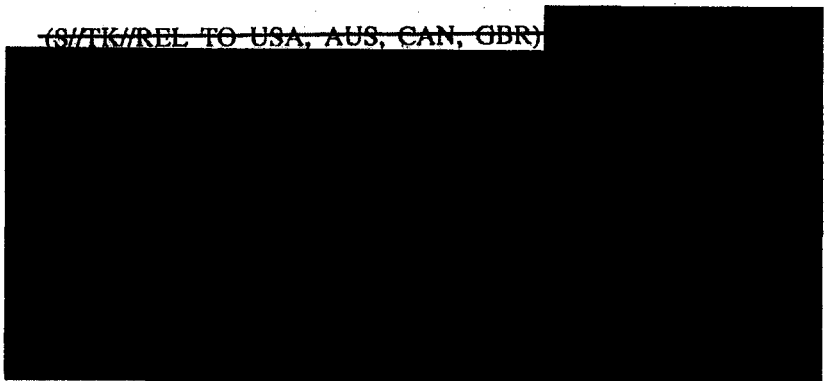
(U) GEOINT/SIGINT INTEGRATED GROUND DEVELOPMENT ENGINEERING & MANAGEMENT  
(U) GEOINT GROUND DEVELOPMENT



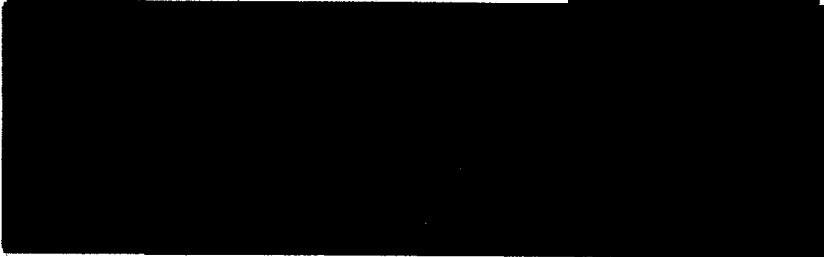
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(U) Description

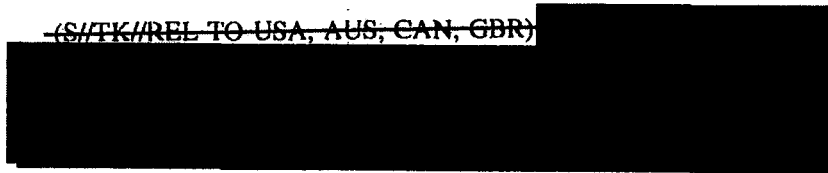
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~~(S//TK//REL TO USA, AUS, CAN, GBR)~~



(U) The GEOINT Consolidated Ground Segment provides:

• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

• ~~(S//TK//NF)~~

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~



~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• (U) Mission system performance assessment and tools.

• (U) Mission support systems infrastructure.

• ~~(S//TK)~~

[REDACTED]

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//TK//REL TO USA, AUS, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//TK//REL TO USA, AUS, GBR)~~

[REDACTED]

(U) In addition, GEOINT Ground Development integrates GEOINT ground to be more responsive to users and capable of making a greater intelligence contribution by:

• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

[REDACTED]

• ~~(S//TK//NF)~~

[REDACTED]

[REDACTED]  
• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

[REDACTED]  
• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

• (U) Leveraging planned recapitalization to re-architect image data processing into an open framework supporting a transition to a responsive service enabled architecture, including the new NRO unified ground architecture, which will enable multi-INT, cross-site/cross-system tasking, cueing, and cooperative collection, change detection, data fusion, data and information access, and global situational awareness.

• (U) Rapidly deploy new operational capabilities and provide user support through use of the Joint Processing Center and IMINT Laboratories.

**(U) Milestones/Schedules**

(U) Milestones for GEOINT Ground Development are as follows:

• ~~(S//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

— ~~(S//TK//NF)~~ [REDACTED]

— ~~(S//TK//NF)~~ [REDACTED]

— ~~(S//TK)~~ [REDACTED]

• (U) GEOINT Ground Development:

— ~~(S//TK//NF)~~ [REDACTED]

— ~~(S//TK//NF)~~ [REDACTED]

— ~~(S//TK//NF)~~ [REDACTED]

— ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

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— ~~(S//TK//NF)~~ [REDACTED]

— ~~(S//TK//NF)~~ [REDACTED]

**(U) Performance Information**

(U//FOUO) This project supports: Mission Objective (MO) 1, Defeat terrorists at home and abroad and seize the initiative from global extremists; MO 2, Prevent and counter the spread of weapons of mass destruction; MO 3, Bolster the growth of democracy and sustain peaceful democratic states; MO 4, Develop innovative ways to penetrate

and analyze the most difficult targets; Primary Enterprise Objective (PEO) 3, Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytical priorities.

(U) The following important performance outcomes for FY 2007 - FY 2013, contribute to achieving these objectives:

- ~~(S//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

- (U) GEOINT Ground Development:

~~(S//TK//NF)~~ [REDACTED]

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

~~(S//TK//NF)~~ [REDACTED]

(U) In FY 2007

(U) GEOINT Ground Development:

- ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

• ~~(S//TK//NF)~~ [REDACTED]

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• ~~(S//TK//NF)~~

• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

• (U//FOUO) Deliver unified ground plan inputs to NRO Ground Mission Manager (4QFY07). (MO1, MO2, MO3, MO4, P-E03)

• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

• ~~(S//TK//NF)~~

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(U) In FY 2008

~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

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(U) GEOINT Ground Development:

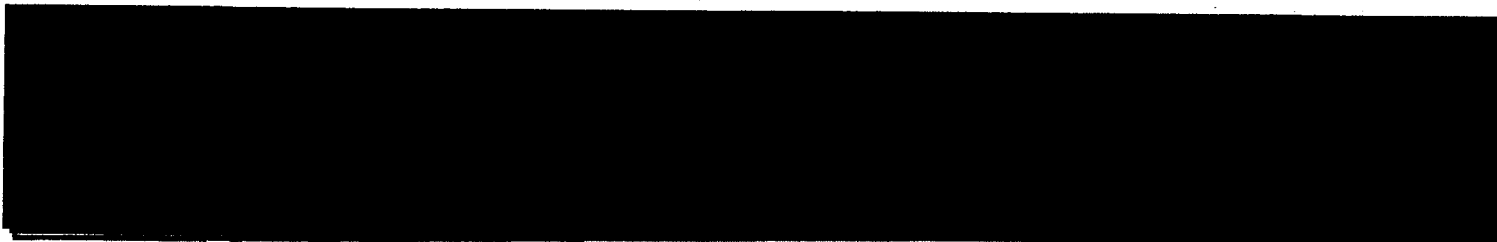
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• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

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• ~~(S//TK//NF)~~

**(U) GEOINT/SIGINT INTEGRATED GROUND DEVELOPMENT ENGINEERING & MANAGEMENT**  
**(U) GEOINT GROUND INTEGRATION & SUPPORT**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

(U//~~FOUO~~) The GEOINT Ground Integration and Support project ensures image and product quality, and supports relatively low-cost, near-term, high-payoff prototyping efforts to ensure the IC and other users obtain maximum intelligence benefit from the sizable investment in overhead collection and processing.

(U//~~FOUO~~) Image quality is an end-to-end process, beginning with system design and continuing throughout operations. Supporting activities needed to ensure image and product quality include image chain analysis, ground truth information, and aircraft collections using prototypical sensors. Product quality provides end users with consistent, accurate, and reliable imagery and image products.

(U//~~FOUO~~) This is a continuing project to leverage overhead GEOINT sensor and processing knowledge to increase constellation performance against user needs and hard target intelligence problems consistent with the goals in the NRO *Strategic Framework* vision, the NRO UGA and ODNI NIS. The goal is to evolve advanced or enhanced capabilities into the GEOINT sector of the NRO UGA, with emphasis on distributed processing, interoperability, survivability, and high-performance computing. This includes support to military exercise/experiments and national/civil customers to facilitate the

introduction of new technology, and resolve system interface, integration, or operational concerns prior to transitioning new technology to a functional prototype stage. This enables optimal utility of national imagery to both national and tactical users, provides future imaging system developers with customer feedback, and demonstrates concepts for future collaborative services at mission ground stations that go beyond present practices.

**(U) Performance Information**

(U//~~FOUO~~) This project supports: Mission Objective (MO) 1, Defeat terrorists at home and abroad and seize the initiative from global extremists; MO 2, Prevent and counter the spread of weapons of mass destruction; MO 3, Bolster the growth of democracy and sustain peaceful democratic states; MO 4, Develop innovative ways to penetrate and analyze the most difficult targets; Primary Enterprise Objective (PEO) 3, Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytical priorities.

(U) The following important performance outcomes, to be accomplished in FY 2007 and FY 2008, contribute to achieving these objectives:

- (U//~~FOUO~~) Ensure accurate and reliable image collection and product quality are maintained across all IMINT satellite and ground programs. **Association to NIS:** Addresses the NIS objective to share counterterrorism information across all levels of government, including national intelligence, law enforcement, Homeland security, and first responder communities. (MO1, MO2, MO3, MO4, P-EO3)

- (U//~~FOUO~~) Continuously adapt overhead GEOINT enterprise architecture capabilities to keep pace with emerging needs and technologies and to achieve compatibility with the NRO enterprise standards. Perform high-payoff, rapid prototyping and provide an environment for NRO and other customers to test new capabilities with operational data in the laboratory. **Association to NIS:** Addresses the NIS by leveraging research advances to maintain and extend intelligence advantages against emerging threats to reduce gaps in the IC's understanding of critical targets and build a robust National Clandestine service as a community asset. (MO1, MO2, MO3, MO4, P-EO3)

- (U//~~FOUO~~) Implement an adaptive prototype architecture to migrate towards a unified ground architecture with a common and standardized infrastructure, that enables ground station interoperability. **Association to NIS:** addresses NIS objectives to strengthening efforts to develop an integrated collection architecture to build a robust National Clandestine service as a community asset. (MO1, MO2, MO3, MO4, P-EO3)

(U) In FY 2007

- ~~(S//REL TO USA, AUS, CAN, GBR)~~

- ~~(S//REL TO USA, AUS, CAN, GBR)~~

- (U//~~FOUO~~) Develop standards and requirements for display equipment and environment and validating installation for analyst transition to a softcopy environment (3QFY07). (MO1, MO2, MO3, MO4, P-EO3)

- (U//~~FOUO~~) Developed new software for image quality review (3QFY07). (MO1, MO2, MO3, MO4, P-EO3)

- (U//~~FOUO~~) Developed product quality requirements for new IMINT specifications documents, both Enterprise and Space and Ground (3QFY07). (MO1, MO2, MO3, MO4, P-EO3)

- ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~

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(U) In FY 2008

- ~~(S//REL TO USA, AUS, CAN, GBR)~~



- (U//FOUO) Develop plans and requirements for product quality assurance infrastructure and data that is integrated across both IMINT ground stations to support transition of analysts to an all softcopy environment (4QFY08). (MO1, MO2, MO3, MO4, P-EO3)

- ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

- ~~(S//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

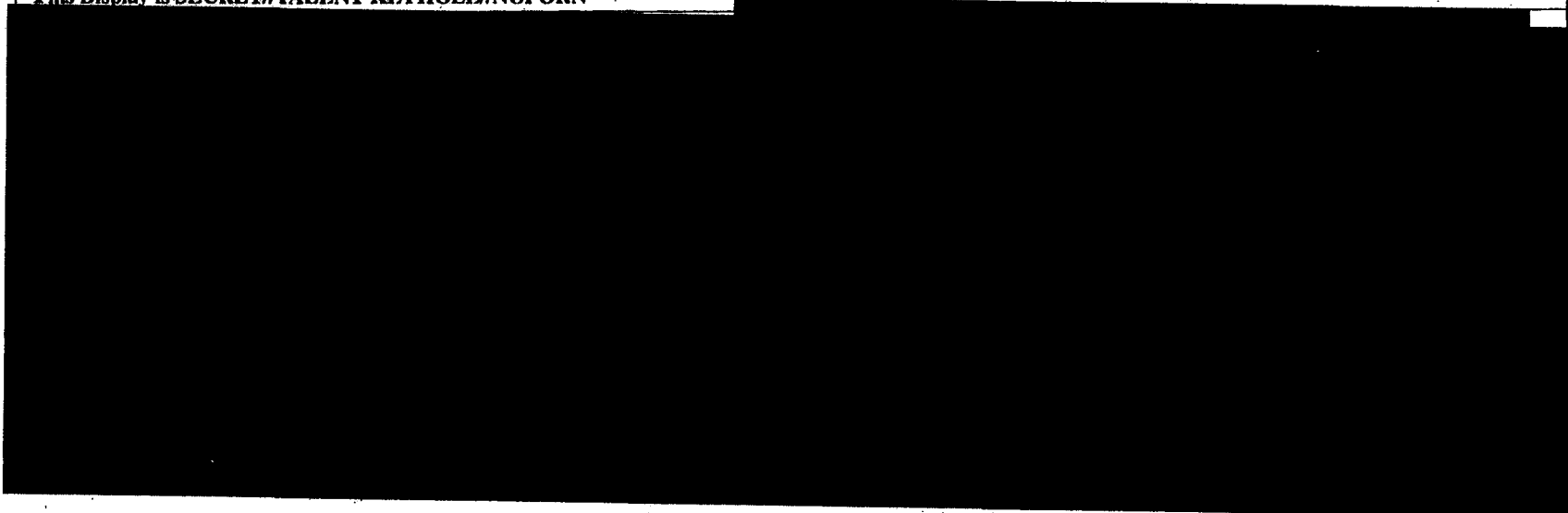
- ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

- ~~(S//TK)~~ [REDACTED]

**(U) Budget Changes FY 2006 – FY 2008**

**GEOINT Ground Integration & Support  
Budget Highlights by Appropriation Account  
FY 2006 – FY 2008**

This Display is ~~SECRET//TALENT KEYHOLE//NOFORN~~



(U) GEOINT/SIGINT INTEGRATED GROUND DEVELOPMENT ENGINEERING & MANAGEMENT  
(U) SIGINT GROUND DEVELOPMENT



This Exhibit is ~~SECRET//NOFORN~~

(U) Description



(S)

~~(S//TK)~~



• ~~(S//TK)~~



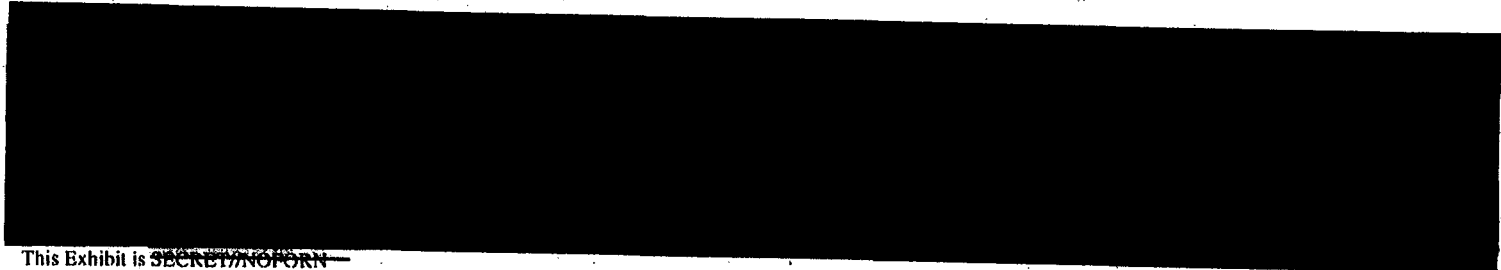
• ~~(S//TK)~~

• (U//FOUO) Extends or replaces the existing ground enterprise services and mission management architecture as necessary to remain responsive to the changing target set; support increasingly diverse simultaneous missions; provide flexibility in the ground systems to integrate with other intelligence activities within and external to the NRO; and respond to changes in mission needs and priorities as directed by NSA.

~~(S//SI//TK)~~



**(U) GEOINT/SIGINT INTEGRATED GROUND DEVELOPMENT ENGINEERING & MANAGEMENT  
(U) SIGINT GROUND INTEGRATION & SUPPORT**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

(U) The SIGINT Ground Integration & Support project is responsible for requirements, architectures, schedules, interfaces, and verification efforts for all mission management, processing, and supporting enterprise-services systems. It also provides resources for personnel to travel and receive training in support of the mission. Awards are given in recognition of outstanding performance on a yearly basis to deserving personnel.

(U) This project actively engages national and military users, ensuring mission management, processing, and enterprise services systems adequately respond to evolving targets and rapidly changing mission priorities, and that ground and processing systems conform to the Unified Cryptologic Architecture, NRO UGA vision, and ODNI NIS.

(U/~~FOUO~~) This project is responsible for long-range strategic planning to assure continuity of on-going acquisitions into the future evolving mission management, processing, and NRO-wide enterprise services systems to support emerging IC and DoD architectures. Strategic planning is also responsible for coordinating the evolving, future ground architecture with future SIGINT, MASINT, and GEOINT overhead assets and related ground systems to maximize the multi-INT capabilities of the overall constellation.

(U) This project executes trade studies, prototypes, requirements analysis, and strategies to effectively and proactively implement emerging technologies, mission priorities, target sets and user needs for future single and cross-INT mission management, processing, and enterprise services systems.

(U) This project provides for Contracted Advisory and Assistance Services (CAAS) and Federally Funded Research and Development Center (FFRDC) resources. These resources specifically provide support for system engineering and integration associated with the development, acquisition, and installation of the IOSA mission management, processing, and enterprise services systems. Additionally, these resources support and conduct planning and studies for future architectures, (both unique to SIGINT and at touch-points of interoperability with the GEOINT future architecture and external partners), CONOPS, capabilities definition, and requirements allocation. This project becomes even more important in delivering the integrated capabilities required to track the targets of the future. A strong ability to rapidly respond to the intelligence customers, from the tactical warfighters through strategic decisionmakers, keeps the ground solutions relevant. This requires an ongoing investment, particularly as systems are tasked to find the hard targets of the future in unanticipated manners. This project completes the ground and processing systems integration across all SIGINT MGSs and other SIGINT facilities.

(U) This project provides resources to:

- (U) Define and manage the ground (mission management, processing, and enterprise services) systems, requirements, baseline configuration, and schedule processes.
- (U) Integrate ground systems with spacecraft command and control systems and operations infrastructure.
- (U//~~FOUO~~) Partner with collection management authorities to ensure ground systems provide the collection management features required to fully exploit evolving processing capabilities as they come online.
- (U) Identify and exploit opportunities to increase overall system performance, optimize data manipulation, and improve collection, processing, and ground station operation and maintenance efficiencies.
- (U) Actively engage with national and military users to determine the processing system architecture attributes most responsive to their current and anticipated needs.

• (S//TK) [REDACTED]

• (U//~~FOUO~~) Partner with NSA to ensure that ground and signal processing systems conform to the end-to-end SIGINT system defined in NSA's architecture and the overhead business plans, as well as companion IC architectures.

• (U) Define functional performance and verification requirements, perform trade-studies and prototype future ground and signal processing systems with emphasis on supporting acquisition of systems associated with the continuing evolution of IOSA in direct response to the IC architectures and Unified Cryptologic Architecture framework.

• (U) Partner with IC organizations to identify and implement Horizontal Integration (HI) opportunities that respond to DNI and DoD guidance and objectives.

- (U) Partner with the NRO Ground Mission Manager on system engineering and architecting efforts to evolve the future NRO UGA.

### (U) Performance Information

(U//~~FOUO~~) This project supports NIS Mission Objectives 1, Defeat terrorists at home and abroad and seize the initiative from global extremists; Mission Objective 2, Prevent and counter the spread of weapons of mass destruction; Mission Objective 3, Bolster the growth of democracy and help sustain peaceful democratic states; Mission Objective 4, Develop innovative ways to penetrate and analyze the most difficult targets; and, Enterprise Objective 3, Re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

(U) The following important performance outcomes, to be accomplished in FY2007, FY2008, and future years, contribute to achieving this objective:

• (S//TK) [REDACTED]

• (TS//SI//TK) [REDACTED]

[REDACTED]

(U) In FY 2007

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (U) Complete requirements verification and integration activities necessary for a signals copy and exploitation FOC. (M01, M02, M03, M04, P-E03)

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

[REDACTED]

(M01, M02, M03, M04, P-E03)

• (U//~~FOUO~~) Deliver unified ground plan inputs to NRO Ground Mission Manager's UGA program management plan and initial capability document. (M01, M02, M03, M04, P-E03)

(U) In FY 2008

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

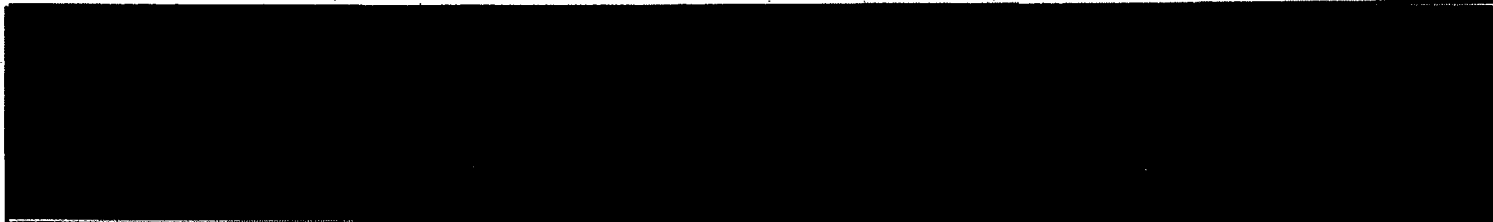
• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

• (S//TK) [REDACTED]

**(U) GEOINT/SIGINT INTEGRATED GROUND DEVELOPMENT ENGINEERING & MANAGEMENT  
(U) SIGINT APPLICATION AND INTEGRATION**



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**(U) Description**

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• ~~(S//FK)~~

- (U) Personnel Recovery/Combat Search and Rescue (PR/CSAR).
- (U) Combat tracking/situational awareness missions.

- (U) Development and integration with Airborne Overhead Cooperative Operations (AOCO).

~~(S//FK)~~

~~(S//S//FK)~~

[Redacted]

(S//SI//TK)

[Redacted]

(S)

[Redacted]

(S)

[Redacted]

(S//TK)

[Redacted]

**(U) Performance Information**

(U//~~FOUO~~) This project supports NIS Mission Objective 1, Defeat Terrorism, and Enterprise Objective 3, Re-balance collection.

(U) The following important performance outcomes, to be accomplished in FY 2007, FY 2008, and future years, contribute to achieving this objective:

• (S//TK)

[Redacted]

• (S//SI)

[Redacted]

(U) In FY 2007

• (S)

[Redacted]

• (S)

[Redacted]

• (U) IOC AOCO ELINT synchronized tune automated capability increasing number and timeliness of ELINT geolocations. (P-EO3)

- ~~(S//SI)~~ [REDACTED]
- (U) Achieve cross-network interoperability via the network centric collaborative targeting effort. (P-EO3)

**(U) In FY 2008**

- (S) [REDACTED]
- ~~(S//TK)~~ [REDACTED]
- ~~(S//TK)~~ [REDACTED]
- ~~(S//SI)~~ [REDACTED]