

(U) GEOINT EO

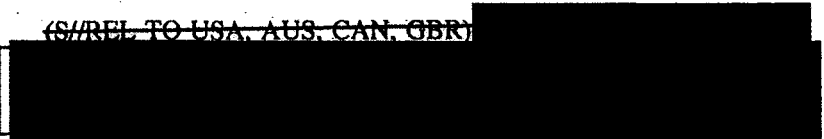


This Exhibit is ~~SECRET//NOFORN~~

FY 2006 includes Base, Title IX, and Supplemental Appropriations

(U) Description

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



(U) The EO satellite constellation provides:

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

• ~~(S//REL TO USA, AUS, CAN, GBR)~~

• ~~(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//REL TO USA, AUS, CAN, GBR)~~

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**(U) Budget Request – Key Changes**

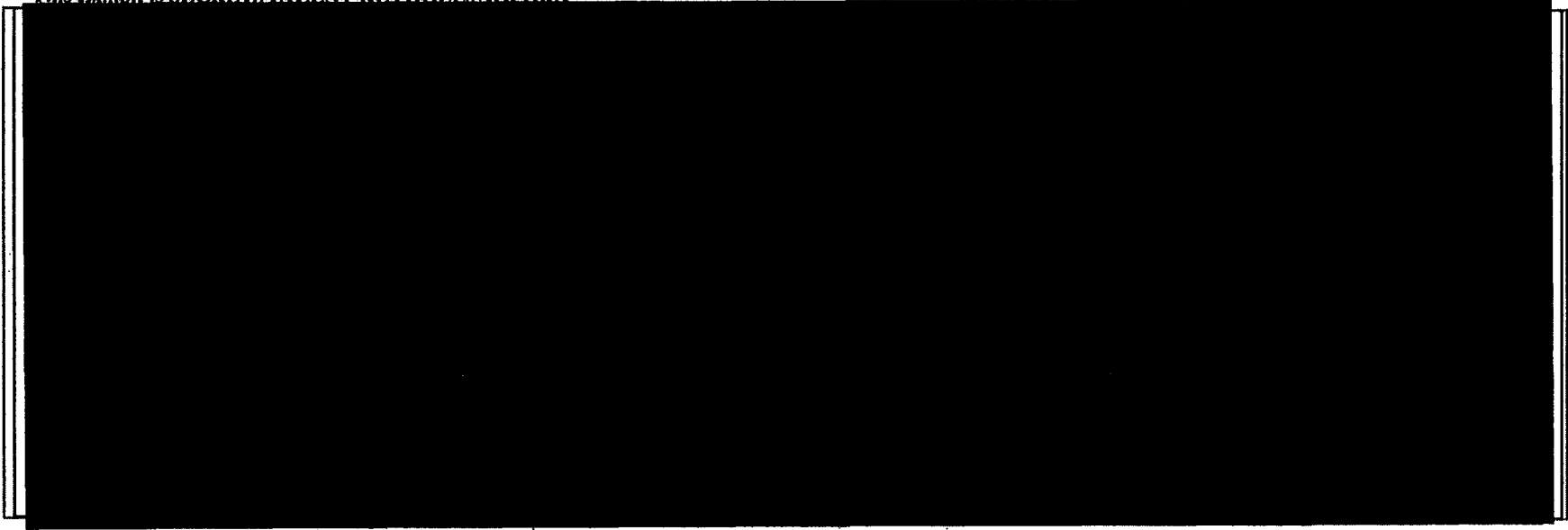
(U) The FY 2008 request reflects the following changes from FY 2007 base appropriations, excluding bridge and supplemental funding for Counterterrorism and Iraq operations:

~~(S//FY//REL TO USA AUS CAN GDR)~~  
~~(S//FY//REL TO USA AUS CAN GDR)~~

**GEOINT EO Expenditure Center  
Resource Summary by Project and Appropriation  
FY 2006 - FY 2013**

*(Dollars in Thousands)  
(Number of Positions)*

~~This Exhibit is SECRET//COMINT//TALENT KEYHOLE//NOFORN~~



(U) GEINT EO  
(U) ENHANCED IMAGERY SYSTEM



This Exhibit is ~~SECRET//NOFORN~~

(U) Description

~~(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, CAN, GBR)~~ [Redacted]

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

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

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

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

- (U) Increased satellite life.

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

(U) Milestones/Schedules

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

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

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

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

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

**(U) Performance Information**

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

(U) The following important performance outcomes are to be accomplished in FY 2007 – FY 2012:

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

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

**(U) In FY 2007**

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

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

**(U) In FY 2008**

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

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

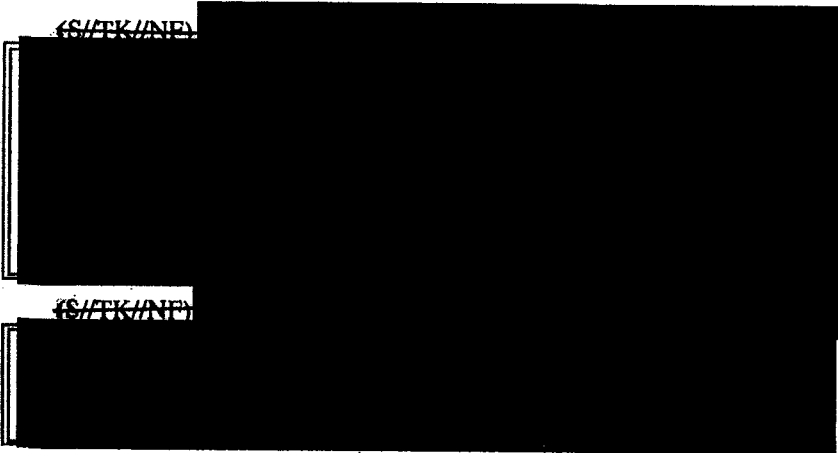
• ~~(S//TK//REL TO USA, AUS, CAN, GBR)~~ [REDACTED]

**(U) GEOINT EO  
(U) NEXT GENERATION EO**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**



~~(U//FOUO)~~ The project includes funding for factory resources and essential engineering support for trade studies and pre-acquisition activity. It also includes activities such as key technology assessments/investments and the storage of heritage flight assets and other equipment for potential NGEN use.

**(U) Milestones/Schedules**

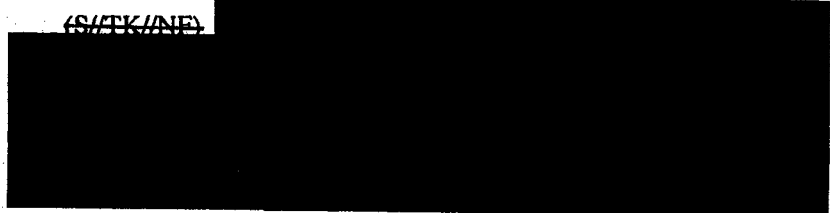
~~(U//FOUO)~~ Milestones for NGEN are as follows:

- ~~(S//TK//NF)~~
- ~~(S//TK//NF)~~



**(U) Performance Information**

~~(U//FOUO)~~ This project supports Primary Enterprise Objective (P-EO) 3, Re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.



(U) GEOINT EO  
(U) EO INTEGRATION & SUPPORT



This Exhibit is ~~SECRET//NOFORN~~

(U) Description

(U//FOUO) This project provides analytical, technical and programmatic support, to include: system trade studies, requirements analysis, prime contractor design evaluation, modeling and simulation, transition planning/coordination, operations planning/coordination, and program/business management support. It also includes support to acquisition activities such as engineering change proposals, acquisition planning, and concept development.

(U) Performance Information

(U//FOUO) This project supports NIS Primary Enterprise Objective (P-EO) 3, Re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

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



(U) In FY 2007

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



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

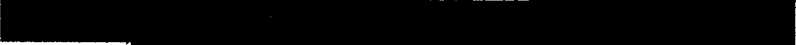


~~• (S//TK//REL TO USA, AUS, CAN, GBR)~~



(U) In FY 2008

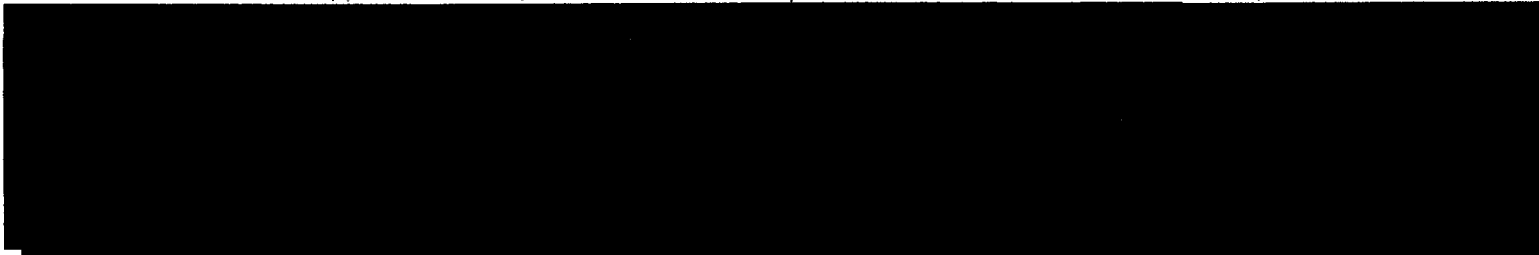
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~~• (S//TK)~~



**(U) SIGINT LOW  
(U) LOW ALTITUDE INTEGRATION & SUPPORT**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

(U) The Low Altitude Integration and Support project provides resources for systems engineering, travel, awards, and training.

~~(S//PK)~~ [Redacted]

~~(S//US)~~ [Redacted]

~~(S//PK)~~ [Redacted]

~~(S//PK)~~ [Redacted]

~~(S//PK)~~ [Redacted]

- (U) Conducting independent reviews of prime contractor acquisition performance.

~~(S//PK)~~ [Redacted]

- (U) Evaluating the C&C segment development and special studies and analyses of system upgrades.
- (U) Conducting architecture planning/development, risk assessment, and technical performance analysis/assessment of acquisition planning/program evaluations.
- (U) Maintaining key, multisegment system documentation, including the system specification, interface control documents, CONOPS, risk management plans, verification plans, and readiness plans.

(U) The project provides resources for personnel assigned within the SIGINT Low EC 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) Performance Information**

~~(U//FOUO)~~ This project supports NIS 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]
- ~~(S//TK)~~ [REDACTED]
- ~~(S//TK)~~ [REDACTED]

- (U) Ensure qualified and motivated government workforce through mission training and awards recognition. (P-EO3)
- (U) Ensure responsible government oversight of contractor acquisition efforts. (P-EO3)

**(U) In FY 2008**

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

- (U) Ensure qualified and motivated government workforce through mission training and awards recognition. (P-EO3)
- (U) Ensure responsible government oversight of contractor acquisition efforts. (P-EO3)



**(U) SIGINT HIGH**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

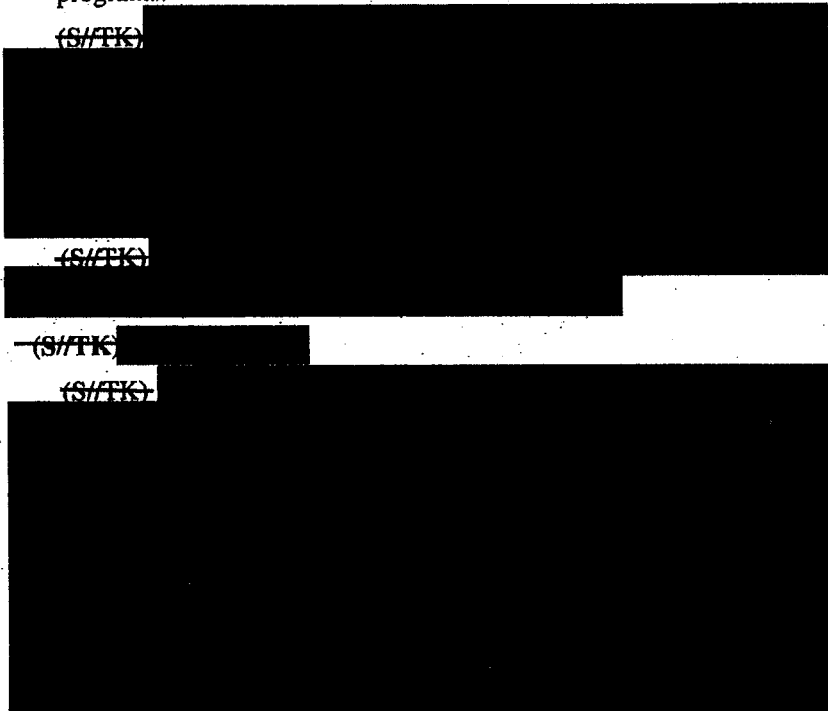
(U) The SIGINT High Expenditure Center (EC) includes resources for the high-altitude components of the Integrated Overhead SIGINT Architecture (IOSA). This includes:

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

(U) SIGINT High EC efforts include:

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

- (U) Support of high-altitude systems engineering activities as well as travel, awards, and training funds for the SIGINT High EC programs.



[REDACTED]

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

- (U) Support to military operations, including COMINT geolocation and COMINT copy in support of GWOT.
- (U) Continuous 24-hours-a-day, focused-area, SIGINT search and collection.

• ~~(S//FK)~~ [REDACTED]

- (U) FISINT collection of low-power telemetry signals from missile ranges associated with platforms capable of delivering WMD.

• ~~(S//FK)~~ [REDACTED]

• ~~(S//FK)~~ [REDACTED]

• ~~(S//FK)~~ [REDACTED]

- (U) Precision-focused-area collection and geolocation of Operational ELINT (OPELINT) and Technical ELINT (TECHELINT) over multiple geographic regions.

• ~~(S//FK)~~ [REDACTED]

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

[REDACTED]

~~(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.
- (U) Long-dwell, focused-area SIGINT search.

- (U) Precision, focused-area collection and geolocation of OPELINT and TECHELINT over multiple geographical regions.

• ~~(S//FK)~~ [REDACTED]

• ~~(S//FK)~~ [REDACTED]

• ~~(S//FK)~~ [REDACTED]

• (S//TK)

(S//TK)

(S//TK)

(S//TK)

(S//SI//TK)

- (U) Uses streamlined acquisition and program management practices to rapidly deliver an cost effective operational capability.
- (U) Makes minimal modifications to existing commercial technology.
- (U) Enables a shorter acquisition schedule (30 months).
- (U) Maximizes use of commercial-like acquisition practices such as a firm fixed-price solicitation and commercial space product assurance practices.

### (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//TK)

• (S//TK)

• (S//TK)

• (S//TK)

### (U) Accommodation Procurement

(S//TK)

(U) SIGINT HIGH  
~~(S//TK)~~ [REDACTED]

[REDACTED]

(U) Description

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

311TK [REDACTED]  
~~(S//TK)~~ [REDACTED]

(U) Milestones/Schedules

- ~~(S//TK)~~ [REDACTED]
- (U) System PDR (2QFY07).
  - (U) System CDR (4QFY07).
  - (U) Ground element pre-ship review (4QFY08).
  - ~~(S//TK)~~ [REDACTED]

311TK [REDACTED]

- (U) US commercial launch service.
- (U) 10-year design life.
- ~~(S//TK)~~ [REDACTED]
- ~~(S//TK)~~ [REDACTED]
- (U) Ample propellant to change orbits/nodes.

(U) Performance Information

(U//FOUO) This project supports NIS Enterprise Objective 3, Re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

~~(S//TK)~~

[REDACTED]

- (U) Complete Systems Description Review. (P-EO3)
- (U) Complete system, spacecraft and ground PDR. (P-EO3)
- (U) Complete system, spacecraft and ground CDR. (P-EO3)
- (U) Provide authority to proceed with launch vehicle procurement contract. (P-EO3)

(U) In FY 2007

• ~~(S//TK)~~

[REDACTED]

(U) In FY 2008

• ~~(S//TK)~~

[REDACTED]

- (U) Complete launch vehicle mission integration CDR. (P-EO3)

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

[REDACTED]

(U) SPACE COMMUNICATIONS

[REDACTED]

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

(U) Description

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

[REDACTED]

(U) The major objectives of the Space Communications EC projects are to:

- ~~(S//TK//REL TO USA, AUS, GBR)~~ [REDACTED]
- ~~(S//TK//REL TO USA, AUS, GBR)~~ [REDACTED]
- (U) Acquire the necessary spare units to mitigate cost and schedule risk.
- ~~(S//TK//NF)~~ [REDACTED]

• ~~(S//TK)~~ [REDACTED]

- (U//~~FOUO~~) Operate, maintain, and update the Mission-22 (M-22) Data Dissemination System (MDDS) to meet user requirements.
- (U//~~FOUO~~) Field and integrate space and ground architecture components to complete the Integrated Broadcast Service (IBS) SIMPLEX (IBS-S) full operational capability (FOC) architecture in support of DoD and IC user requirements.

• ~~(S//TK//NF)~~ [REDACTED]

- (U) Analyze vulnerabilities and capabilities of future communications to forecast information assurance technologies and encryption requirements to meet NRO communication needs.
- (U) Develop, integrate, and field next generation high-speed encryption capabilities while investing further in advanced quantum encryption technologies.

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

(U//~~FOUO~~) These activities were funded in the Communications Space EC in the FY 2007 CBJB.

**(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:

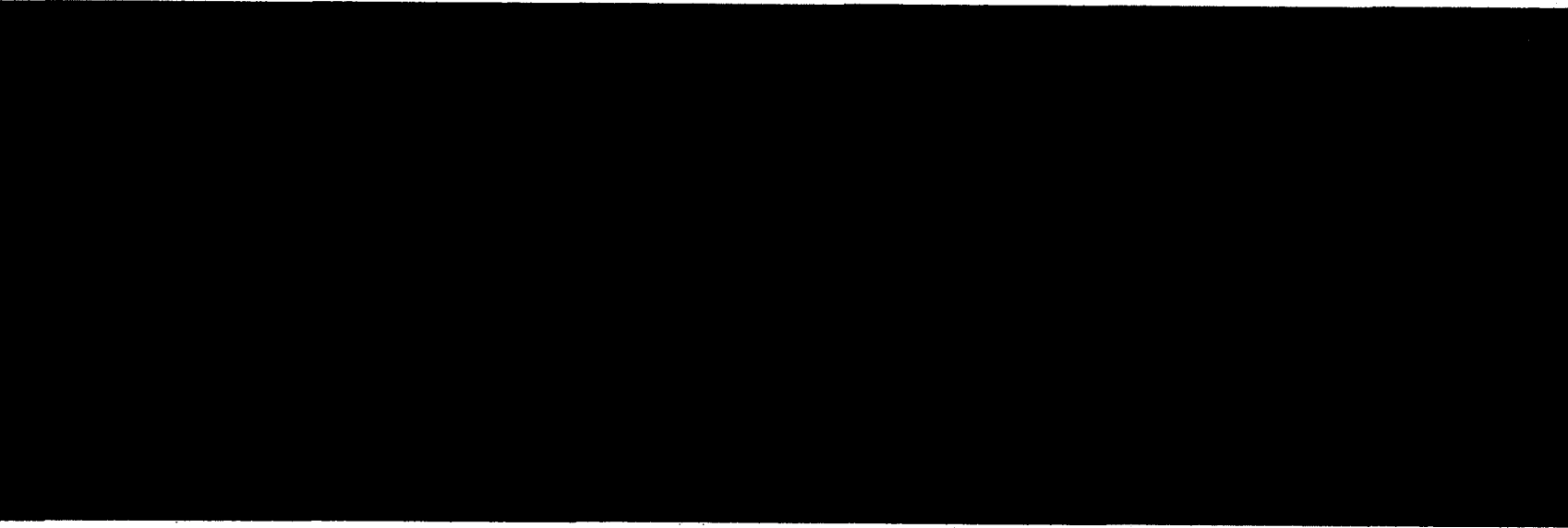
- ~~(S//TK//NF)~~ [REDACTED]
- ~~(S//TK//NF)~~ [REDACTED]
- ~~(S//TK//NF)~~ [REDACTED]

- ~~(S//TK//NF)~~ [REDACTED]
- (U) Increase the development and validation of high-speed encryption technologies for space and ground systems activities.
- ~~(S//TK//NF)~~ [REDACTED]
- (U) Increase quantum physics cryptographic key development activities.
- ~~(S//TK//NF)~~ [REDACTED]

Space Communications Expenditure Center  
Resource Summary by Project and Appropriation  
FY 2006 - FY 2013

*(Dollars in Thousands)  
(Number of Positions)*

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

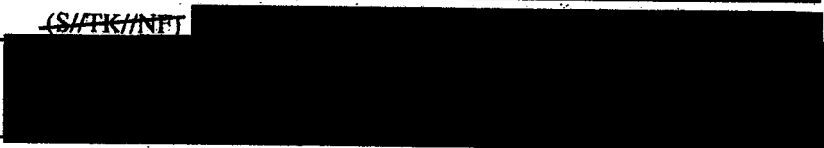
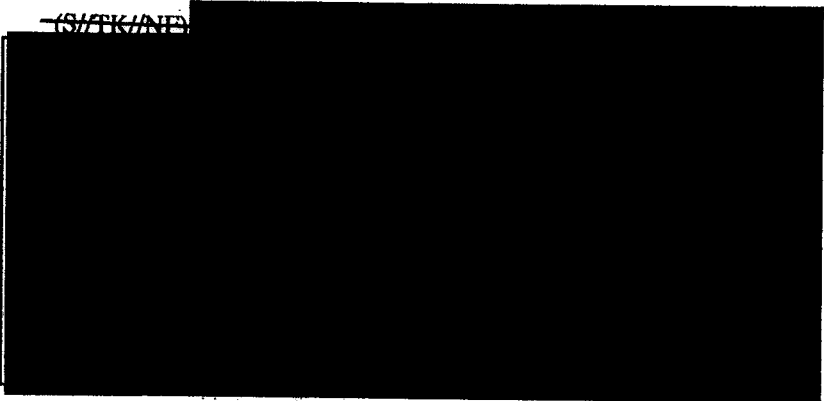


**(U) SPACE COMMUNICATIONS  
(U) EVOLVED COMMUNICATIONS RELAY**



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

**(U) Description**



- (U) Continue requirements trades, engineering studies, risk reduction efforts, and interface definition for the ECR class satellites.
- (U) Continue the necessary program management support to procure the ECR class satellites to include: systems engineering, access to technical experts, and associated trade studies.
- (U) Procure the ECR class satellites necessary to maintain relay capacity and capability required by users.

**(U) Milestones/Schedules**

- (U) Milestones for ECR class satellites are as follows:
- (U) Obtain NRO Acquisition Board (NAB) approval for Phase B: Design, Build, and Operations Phase (1QFY09).
  - (U) Begin Phase B: Design, Build and Operations Phase (2QFY09).
  - (U) Conduct preliminary design review (PDR) (2QFY11).
  - (U) Conduct critical design review (CDR) (4QFY12).
  - (U) Conduct Director, NRO review to begin production (1QFY13).



**(U) Performance Information**

(U//~~FOUO~~) This project supports NIS Enterprise Objective 3, re-balance collection to achieve least-cost/highest-value results guided by customer and analytic priorities.

~~(S//TK)~~



**(U) In FY 2007**

- (U) Develop future roadmap, acquisition strategy and NAB preparation for the ECR class satellites. (EO3)
- (U) Continue requirements trades, engineering studies, risk reduction efforts and interface definition for ECR class satellites. (EO3)

**(U) In FY 2008**

(U) Complete in-house trade and engineering studies phase, pre-acquisition, and NAB preparation. (EO3)

**(U) SPACE COMMUNICATIONS  
(U) SPACE OPERATIONS DEVELOPMENT SEGMENT**



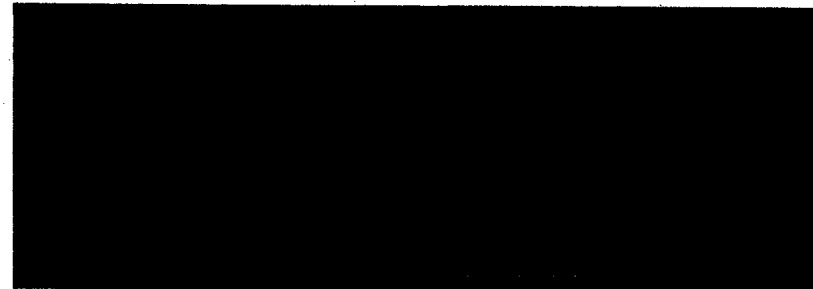
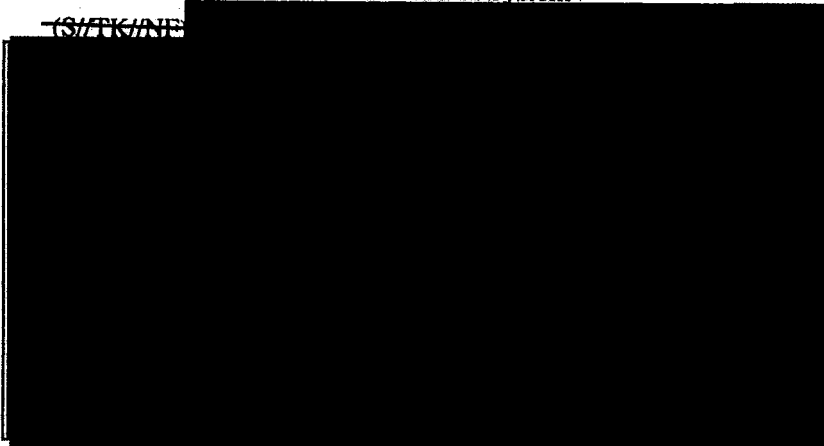
~~THIS EXHIBIT IS SECRET//TALENT KEYHOLE//NOFORN~~

**(U) Description**

(U) The Space Operations Development Segment project provides funding for acquisition, operations, and maintenance supporting command and control and data dissemination for space-based communications systems. Specifically, this project provides resources to support:

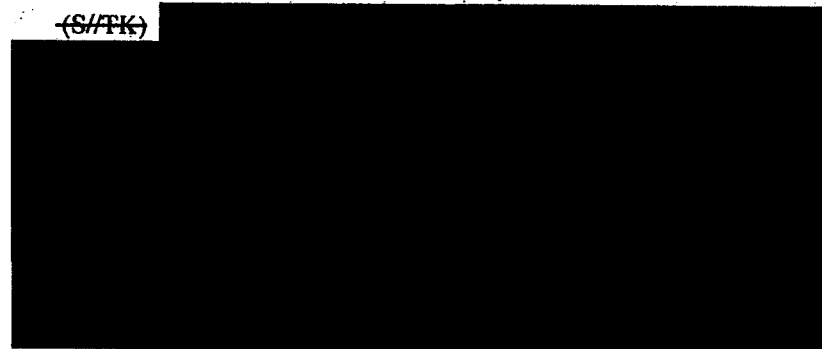
**(U) Distributed Command and Control System**

~~(S//TK//NF)~~



**(U//FOUO) M-22 Data Dissemination System**

~~(S//TK)~~



**(U) Integrated Broadcast Service SIMPLEX**

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

**(U) Pacific Communications Facility**

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

**(U) Receive Facility/Operations Facility Support**

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

**(U) Performance Information**

~~(U//FOUO)~~ This project supports NIS Enterprise Objective 3, re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytic priorities.

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

[REDACTED]

**(U) In FY 2007**

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

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

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

- (U) Perform operations to disseminate strategic and tactical intelligence data via M-22 to DoD and Intelligence customers. (EO3)
- ~~(U//FOUO)~~ Perform O&M of the MDSS to meet user requirements. (EO3)

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

- (U) Perform operations for the dissemination of strategic and tactical intelligence via IBS-S to US and Allied consumers. (EO3)

**(U) In FY 2008**

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

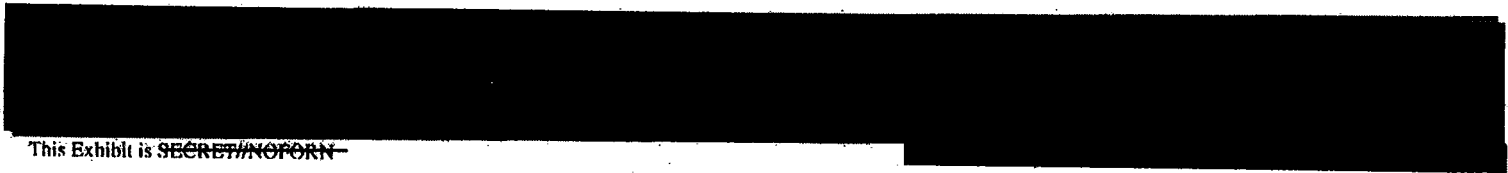
- ~~(S//TK//NF)~~ [REDACTED]

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

- (U) Support the potential deorbit/disposal of vehicles when reaching end-of-life. (EO3)
- (U) Provide C&C software for satellites in production at the factory. (EO3)

- (U) Disseminate strategic and tactical intelligence data via M-22 to DoD and IC consumers. (EO3)
- (U) Provide timely dissemination of strategic and tactical intelligence via IBS-S to US and Allied consumers. (EO3)
- (U//~~FOUO~~) Perform O&M of the MDDS to meet user requirements. (EO3)
- (U) Award PCF design and development contract. (EO3)
- ~~(S//TK)~~ [REDACTED]

**(U) LAUNCH**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

(U) The Launch Expenditure Center (EC) includes funding for NRO space launch systems, with the mission of ensuring the successful launch and deployment of all NRO satellites.

(U) The Launch EC funding secures and supports launch systems for NRO spacecraft to include early integration activities for the Evolved Expendable Launch Vehicle (EELV) and other launch systems that have potential NRO use. Also included is the NRO's share of the contractor launch capability infrastructure, Contracted Advisory and Assistance Services/System Engineering and Technical Assistance (CAAS/SETA) and Federally Funded Research and Development Center (FFRDC) support, telemetry collection, strategic planning for NRO launches, NRO payload processing services, and funding for US Air Force range support services at the launch bases. In addition, the NRO Office of Space Launch (OSL) provides for mission assurance activities and ensures adequate NRO launch facilities and assets are available to provide mission success. The OSL is continually evaluating launch systems and alternative strategies for providing launch capability.

(U) These activities were funded in the Launch EC in the FY 2007 CBJB.

**(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//TK//NF)~~ [Redacted]
- ~~(S//TK//REL TO USA, CAN, AUS, GBR)~~ [Redacted]
- ~~(S)~~ [Redacted]
- (U) Increase of non-recurring launch integration required for NRO missions in FY 2008 per cost model phasing.
- ~~(S//TK)~~ [Redacted]

- (U) Increase in Launch Capability Infrastructure which restores funding to its required level as calculated by the DoD Cost Analysis Improvement Group (CAIG).

- (U) Addition of NRO Operations Squadron (NOPS) personnel to align organizationally under the OSL.

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**Launch Expenditure Center  
Resource Summary by Project & Appropriation  
FY 2006 - FY 2013**

*(Dollars in Thousands)  
(Number of Positions)*

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



**(U) LAUNCH  
(U) LAUNCH VEHICLES**



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

(U) The primary purpose of this project is to procure EELV launch vehicles and conduct integration activities for NRO satellites. The NRO procures standard EELV hardware on a fixed price basis, fully funded two years prior to launch. Well-defined mission unique hardware plus integration efforts are incrementally funded beginning up to five years in advance of the launch date. The structure of the EELV contracts allows separate funding and accounting for NRO missions. The NRO has procuring contracting officer and contracting officer's technical representative authority for all NRO delivery orders on the Air Force EELV contracts.

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

**(U) Milestones/Schedules**

(U) Milestones for Launch Vehicles are as follows:

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

**(U) Performance Information**

(U) The Launch Vehicles project supports the *National Intelligence Strategy* (NIS) Enterprise Objective 3: Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytic priorities.

(U) The following important performance outcome, to be accomplished in FY 2007 and FY 2008 contributes to achieving this objective: Successfully launch all NRO satellites on EELV. **Association to NIS:** Successful launches provide overhead collection assets in support of NIS objectives related to SIGINT, GEOINT, communications, and innovative new technologies.

(U) In FY 2007

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

(U) In FY 2008

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



(U) LAUNCH  
(U) LAUNCH CAPABILITY INFRASTRUCTURE



This Exhibit is ~~SECRET//NOFORN~~

**(U) Description**

(U) The new EELV acquisition strategy funds the EELV Launch Capability (ELC) contract to provide the capability to launch government missions. It is separate from launch vehicle hardware, which is funded by the EELV Launch Services contracts. This strategy is necessary because the robust commercial market envisioned in the original EELV construct in 1998 never materialized and the government is now the primary EELV customer. The requested funds in this project support retention of critical skills at the EELV contractor facilities and at the launch sites, and maintain proficiency of the booster contractor workforce.

(U) This approach does not prevent other qualified launch providers from competing for national security space missions, but it does take decisive action toward precluding mission loss due to inadequate launch infrastructure. This funding request is made in accordance with the needs of the government for mission assurance and was validated by an independent cost assessment provided by the DoD CAIG.

(U) The landscape of US launch infrastructure changed significantly in December 2006 when the United Launch Alliance (ULA) was officially established to merge the launch processes of both Lockheed-Martin and Boeing in a single joint venture. ULA maintains both launch

vehicle families, Atlas and Delta EELV, in order to strengthen assured access to space and to provide optimum flexibility for meeting required lift capabilities. In addition, ULA will continue to maintain the level of effort identified in the ELC contract and will not impact future NRO plans for future acquisition of launch services.

(U) The NRO and the Air Force are full partners in ensuring EELV launch capability for the nation. The funding request for this project represents the NRO's 30 percent share of the EELV ELC contract. The following specifies the nature of tasks accomplished by the EELV launch provider contractors with funds requested for this project:

- (U) Operation and maintenance of launch pad complexes at Vandenberg Air Force Base (VAFB) and CCAFS.
- (U) Retention of booster engineering critical skills.
- (U) Retention of launch operations critical skills (maintenance of proficiency at the launch sites).
- (U) Supplier readiness (maintenance of proficiency at EELV production facilities/factories and subcontractors).
- (U) Fixed non-labor infrastructure, including allowable leases, depreciation, and amortization.

**(U) Performance Information**

~~(U//FOUO)~~ The Launch Capability Infrastructure project supports the NIS Enterprise Objective 3: Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytic priorities.

(U) The following important performance outcome, to be accomplished in FY 2007 and FY 2008, contributes to achieving this objective: Ensure the successful launch of all NRO satellites on EELV by supporting retention of critical skills at the EELV factories and at the contractor and launch sites, and maintain proficiency of the booster contractor workforce. **Association to NIS:** Healthy and stable launch infrastructure enables successful launches which provide overhead collection assets in support of NIS objectives related to SIGINT, GEOINT, communications, and innovative new technologies.

**(U) In FY 2007 and FY 2008**

(U) Maintain launch infrastructure at the factories and launch bases, retain a proficient and well-trained crew force, and maintain supplier readiness thereby ensuring the core capability to manufacture and launch EELVs independent of launch tempo. (P-EO3)

(U) LAUNCH  
(U) LAUNCH OPERATIONS & ENGINEERING



This Exhibit is ~~SECRET//NOFORN~~

(U) Description

(U) The Launch Operations and Engineering project provides launch related support for all NRO satellite programs. Specifically, this project supports:

- (U) The NRO Payload Transportation System which provides secure transportation from factory to launch base and throughout launch base processing for all NRO satellites using NRO launch base facilities.
- (U) Use of forklifts, tractors, trailers, and other mechanical hardware for satellite vehicle (SV) electrical aerospace ground equipment and SV mechanical aerospace ground equipment.
- (U) SV and mission documentation requirements, including those required by the National Environmental Policy Act, and Occupational Safety and Health regulations.
- (U) Eastern and Western Range instrumentation support.
- (U) NOPS launch support, downrange/ascent telemetry capture, and processing operations for NRO launches.
- (U) CAAS/SETA and System Integration support.

- (U) Independent validation and verification (IV&V) of launch contractor mission design parameters.
- (U) NRO launch base administrative facility operation and maintenance (O&M).
- (U) NRO mission unique (secure) communication at the launch sites (e.g., secure launch pad communications for NRO payloads).

(U) Performance Information

(U//~~FOUO~~) The Launch Operations and Engineering project supports the NIS Enterprise Objective 3: Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytic priorities.

(U) The following important performance outcome, to be accomplished in FY 2007 and FY 2008, contributes to achieving this objective: Ensure the successful launch of all NRO satellites on EELV by providing outstanding launch base, systems engineering, and day-of-launch support for all NRO satellite programs. **Association to NIS:** Effective launch operations and engineering enable successful launches

which provide overhead collection assets in support of NIS objectives related to SIGINT, GEOINT, communications, and innovative new technologies.

(U) In FY 2007

• (S//TK)

• (S//TK)

(U) In FY 2008

• (S//TK//NF)

• (S//TK//NF)

(U) Budget Changes FY 2006 – FY 2008

Launch Operations & Engineering  
Budget Highlights by Appropriation Account  
FY 2006 – FY 2008

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

(U) LAUNCH  
(U) ADVANCED PLANS



This Exhibit is ~~SECRET//NOFORN~~

(U) Description

(U) The Advanced Plans project funds engineering and risk reduction analysis and activities for NRO satellites, particularly Advanced Systems and Technology Directorate (AS&T) and other "specialty" missions. Specifically, the Advanced Plans project activities include:

- (U) Engineering activities affecting multiple satellite missions on one or multiple launch systems.
- (U) Early investigation and analyses of advanced launch systems for potential NRO application.
- (U) Early integration of NRO systems on new launch vehicles.
- (U) Launch vehicle performance and acquisition trades for new research and development programs.
- (U) Analysis of other innovative space lift concepts for potential launch of NRO payloads, including reusable launch vehicles.

(U) Performance Information

(U//~~FOUO~~) The Advanced Plans project supports NIS Enterprise Objective 3: Re-balance, integrate, and optimize collection capabilities to meet current and future customer and analytic priorities.

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

- (U) Provide feasibility assessments for NRO satellite programs which investigate potential future launch capabilities and initial launch system compatibility as well as support early mission assurance activities for NRO launches. **Association to NIS:** Investigating future launch capabilities/compatibility and performing early mission assurance activities helps ensure successful delivery of overhead reconnaissance assets in support of NIS objectives related to SIGINT, GEOINT, communications, and innovative new technologies.
- (U) Support mission integration for emerging mission concepts and technology demonstrations, primarily for AS&T, and manage the Broad Agency Announcement effort to pursue new and innovative launch technologies. **Association to NIS:** Launch support to the

deployment of innovative new technologies ensures new and more capable SIGINT, GEOINT, and communications overhead reconnaissance assets will be available to support NIS objectives.

- (U) Sponsor Office of Space Launch outreach programs (for example, Space Launch Integration Conference, Ride-Share Conference, Mission Assurance Forum). **Association to NIS:** These activities explore new and emerging launch concepts and identify potential synergies among members of the launch community, helping to ensure new overhead reconnaissance assets are efficiently launched and available to support NIS objectives.

(U) In FY 2007

(S//TK) 

(U) In FY 2008

(U) Ensure the on time and successful launch of all NRO satellites on the EELV and other launch systems. (P-EO3)