

UNCLASSIFIED

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|--|--|--|--|--|-----------------------|--|--|--|--|--|
| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) | | | | | DATE FEBRUARY 2003 | | | | | |
| APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7 | | | R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160405BB Special Operations (SO) Intelligence Systems Development | | | | | | | |

| COST (Dollars in Millions) | FY02 | FY03 | FY04 | FY05 | FY06 | FY07 | FY08 | FY09 | Cost to Complete | Total Cost |
|----------------------------|--------|-------|--------|--------|--------|--------|--------|--------|------------------|------------|
| PE1160405BB | 14.913 | 4.648 | 16.726 | 15.679 | 15.009 | 12.433 | 13.846 | 20.251 | Cont. | Cont. |
| S400, SO INTELLIGENCE | 14.913 | 4.648 | 16.726 | 15.679 | 15.009 | 12.433 | 13.846 | 20.251 | Cont. | Cont. |

A. Mission Description and Budget Item Justification:

This program element provides for the identification, development, and testing of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects within this program element address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities into the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this project are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed), and Above Operational Element (Garrison).

| RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit) | | DATE | | |
|---|---|---------------|-------------|-------------|
| | | FEBRUARY 2003 | | |
| APPROPRIATION / BUDGET ACTIVITY | R-1 ITEM NOMENCLATURE / PROJECT NO. | | | |
| RDT&E, DEFENSE-WIDE / 7 | PE 1160405BB Special Operations (SO) Intelligence Systems Development | | | |
| B. Program Change Summary: | | | | |
| | <u>FY02</u> | <u>FY03</u> | <u>FY04</u> | <u>FY05</u> |
| Previous President's Budget | 14.989 | 1.590 | 6.063 | 5.706 |
| President's Budget | 14.913 | 4.648 | 16.726 | 15.679 |
| Total Adjustments | -0.076 | 3.058 | 10.663 | 9.973 |
| Congressional Program Reductions | | | | |
| Congressional Rescissions | | -0.120 | | |
| Congressional Increases | | 3.300 | | |
| Reprogrammings | 0.299 | | | |
| SBIR Transfer | -0.375 | -0.122 | | |
| Funding: | | | | |
| FY02 | | | | |
| - (Non-Add) This program element received \$3.085 million of FY02 Defense Emergency Response Funds for development, integration, and testing of commercial off-the-shelf hardware and software applications necessary for establishing initial capabilities of the Special Operations Joint Interagency Collaboration Center. | | | | |
| FY03 | | | | |
| - Congressional increases of \$3.300 for the following programs: | | | | |
| - \$1.350 for completion of development of the Joint Threat Warning System Ground Signals Intelligence Kit | | | | |
| - \$1.000 for development of a common software baseline for an Embedded Integrated Broadcast System Receiver | | | | |
| - \$1.950 for development and demonstration of a commercial technology used to identify optimal placement of unattended sensors. | | | | |
| FY04 | | | | |
| - Transfer of funds from USAF to USSOCOM of \$6.000 million was implemented for USSOCOM unique requirements for the Counter-Proliferation Analysis and Planning System. | | | | |

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| APPROPRIATION / BUDGET ACTIVITY RDT&E, DEFENSE-WIDE / 7 | R-1 ITEM NOMENCLATURE / PROJECT NO. PE 1160405BB Special Operations (SO) Intelligence Systems Development |
| <p>- A program increase of \$4.400 for the following programs:</p> <p>- \$2.458 for the Special Operations Joint Interagency Collaboration Center and \$2.000 for the Special Operations Command Research Analysis & Threat Evaluation System in support of the Global War on Terrorism.</p> <p>- Internal realignments within the Command resulted in a net increase of \$0.443 million to this program element, with funding primarily supporting the Remote Miniature Weather System integration of an alternative comms link and eye-safe laser into existing components.</p> <p>- Additionally, revised economic assumptions of (\$0.180 million) were applied.</p> <p>Schedule: None.</p> <p>Technical: None.</p> | |

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| Exhibit R-2a, RDT&E Project Justification | | Date: FEBRUARY 2003 |
| Appropriation/Budget Activity RDT&E BA # 7 | Special Operations Intelligence/Project S400 | |

| Cost (\$ in millions) | FY02 | FY03 | FY04 | FY05 | FY06 | FY07 | FY08 | FY09 |
|-------------------------|--------|-------|--------|--------|--------|--------|--------|--------|
| SO Intelligence | 14.913 | 4.648 | 16.726 | 15.679 | 15.009 | 12.433 | 13.846 | 20.251 |
| RDT&E Articles Quantity | | | | | | | | |

A. Mission Description and Budget Item Justification: This project provides for the identification, development, and testing of Special Operations Forces (SOF) intelligence equipment to identify and eliminate deficiencies in providing timely intelligence to deployed forces. Sub-projects below address the primary areas of intelligence dissemination, sensor systems, integrated threat warning to SOF mission platforms, and tactical exploitation of national system capabilities. USSOCOM has developed an overall strategy to ensure that Command, Control, Communications, Computers, and Intelligence (C4I) systems continue to provide SOF with the required capabilities throughout the 21st century. USSOCOM's C4I systems comprise an integrated network of systems providing positive command and control and timely exchange of intelligence and threat warning to all organizational echelons. The C4I systems that support this new architecture will employ the latest standards and technology by transitioning from separate systems to full integration with the infosphere. The infosphere will allow SOF elements to operate with any force combination in multiple environments. The intelligence programs funded in this project will meet annual emergent requirements and are grouped by the level of organizational element they support: Operational Element (Team), Above Operational Element (Deployed), and Above Operational Element (Garrison). Sub-projects include:

OPERATIONAL ELEMENT (TEAM)

- Multi Mission Advanced Tactical Terminal (MATT). MATT program enables combat forces to directly receive near-real-time operational intelligence products and threat information to support mission planning, updates, and mission execution. The program integrates MATT capabilities with Command, Control, Communications, and Intelligence (C3I) systems. MATT addresses the primary requirement for situational awareness as forces infiltrate and exfiltrate from operating areas. MATT was designated by Assistant Secretary of Defense (C3I) as one of the two tactical terminal migration systems, with MATT design being designated as the interim airborne variant of the Joint Tactical Terminal.
- National Systems Support to SOF (NSSS). NSSS is a Research & Development (R&D) program to improve the combat effectiveness of USSOCOM, its components, and the Theater Special Operations Commands through the innovative use of national, military, and commercial space intelligence and communications technologies and systems. This includes Imager Intelligence, Signals Intelligence, and Measurement and Signature Intelligence processing and tactical display technologies and capabilities; evolving global information dominance technologies; and related meteorological, oceanographic, and space weather developments and architectures. National Systems

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Support to SOF coordinates and facilitates concepts and technologies for inclusion in Joint Chiefs of Staff Special Projects and selected Advanced Concept Technology Demonstrations (ACTDs) that use space systems to support tactical military operations.

- **Joint Threat Warning System (JTWS).** JTWS is an evolutionary acquisition program that provides threat warning, force protection and enhanced situational awareness information to SOF via signal intercept, direction finding and Signals Intelligence (SIGINT). JTWS provides variant systems utilizing common core software that allows operators to task, organize and scale equipment based on anticipated signal environments and areas of operation. It consists of four variants – Ground Kit, Team Transportable, Air and Maritime. The Privateer, Silent Shield and Improved SOF SIGINT Manpack System programs were consolidated under JTWS as of FY02.
- **Solid State Synthetic Aperture Radar (SSSAR).** Provides for target detection in high sea states and high ground clutter environments. The SSSAR program goal is to demonstrate a low cost SSSAR system comprised of fully developed off-the-shelf components integrated into an airborne platform.
- **Remote Miniature Weather System (RMWS).** RMWS is a lightweight and modular system providing near-real-time tactical weather data from remote or denied locations via satellite communications. The system provides SOF with an unattended weather data measurement and near-real-time reporting capability to support mission planning efforts.
- **Optimal Placement of Unattended Sensors (OPUS).** OPUS provides for the research and integration of a commercial lightweight, modular handheld sensor interface device. This effort will provide the capability to identify the optimal placement of unattended sensors in support of SOF mission planning efforts.

ABOVE OPERATIONAL ELEMENT (DEPLOYED)

- **Special Operations Tactical Video System (SOTVS).** SOTVS, including the Remote Surveillance Target Acquisition system, provides the capability to forward digital imagery near-real-time via current and planned future organic SOF tactical communication systems in support of surveillance and reconnaissance missions.

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ABOVE OPERATION ELEMENT (GARRISON)

- **Special Operations Joint Interagency Collaboration Center (SOJICC):** The SOJICC provides a fully integrated capability to plan, coordinate, and integrate joint information operations and analysis in support of the Concept of Operations that support Secretary of Defense taskings, regional combatant commanders' theater plans, and core mission tasks; and provide USSOCOM mission planners a critical tool to positively effect the outcome of SOF missions worldwide. Specifically, SOJICC is designed to access data from both open source and classified holdings, develop an extensive database, and provide in-depth analysis to support SOF operational missions as directed by the Commander, SOCOM. Continued investigation, exploitation and integration of new technology advances in data mining, knowledge discovery, knowledge based management and data visualization will provide SOF planners information dominance as well as strengthen SOF's ability to support timely response to critical intelligence requirements. Commercial sector and DOD research activities have made remarkable strides toward integrating existing translation algorithms, neural network pattern recognition programs, and visualization techniques that dramatically enhance intelligence analysis and Information Operations.
- **Counter-Proliferation Analysis and Planning System (CAPS).** USSOCOM has a planning mission for counter-proliferation (CP) contingency operations. CAPS is a primary source of CP mission planning information for Combatant Commanders. It provides tools to SOF mission planners to aid identification and analysis of potential Weapons of Mass Destruction (WMD) and military targets; assess the associated effectiveness, costs and risks of various CP options and their collateral effects; and develop alternative plans. In order to provide the best possible engineering analysis and support, the CAPS system requires ongoing development, integration and testing of "leading edge technology" for operational planning, and process and consequence engineering tools. Market investigation, development and integration of new technologies to obtain engineering and signatures analysis for WMD programs and military targeting are essential to SOF's ability to best exploit CAPS capabilities and support CP contingency mission planning.
- **Special Operations Command Research Analysis & Threat Evaluation System (SOCRATES).** SOCRATES provides a wide range of mission-directed automated intelligence and imagery support to HQ USSOCOM, its component commands, and forward based SOF units, both in-garrison and deployed. SOCRATES also includes the Joint Special Operations Command Special Operations Intelligence System. SOCRATES is an umbrella client-server based architecture which allows single workstation access to the data bases and provides secure, on-line services to remote sites via SCAMPI (a secure communications distribution system), Secret Internet Protocol Routed Network, and the Joint Worldwide Intelligence Communications System. Through connectivity with local, theater and national intelligence assets and databases, SOCRATES provides tailored, near real-time support to SOF analysts. SOCRATES capabilities include data processing, video

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mapping, news and message traffic, soft copy imagery processing, and secondary imagery dissemination. The program is an evolutionary acquisition program to ensure SOF intelligence interoperability and connectivity worldwide.

B. Accomplishments/Planned Program

| | FY02 | FY03 | FY04 | FY05 |
|---|-------|-------|-------|-------|
| Multi Mission Advanced Tactical Terminal | | .950 | | |
| RDT&E Articles Quantity | | | | |
| FY03 This initiative was a Congressional Plus-Up. Funds will be used to develop a common software baseline for SOF system's requiring and Embedded Integrated Broadcast System (IBS) Receiver (EIR capability). | | | | |
| | FY02 | FY03 | FY04 | FY05 |
| National Systems Support to SOF (NSSS) | 1.539 | 1.396 | 1.336 | 1.341 |
| RDT&E Articles Quantity | | | | |
| FY02 Developed, influenced, and leveraged space intelligence, surveillance and reconnaissance technology developments for SOF utility from the National Community and Military Services. Leveraged technology from NSSS parts. Participated in multiple reconnaissance/technology community programs such as the Defense Space Reconnaissance Program and the Military Exploitation Reconnaissance and Intelligence Technology program. Developed and fielded Blue Force Tracking hand-held equipment in response to SOF urgent combat mission need requirements. | | | | |
| FY03 Continue to leverage and develop space intelligence, surveillance, reconnaissance technology developments with SOF utility from the National Community and Military Services. Continue to participate in reconnaissance/technology community programs to influence technology developments for SOF use. | | | | |
| FY04 Continue to leverage space intelligence, surveillance, and reconnaissance technology developments with SOF utility from the National Community and Military Services. NSSS will assess the operational utility of leveraged and developed technology. | | | | |
| | FY02 | FY03 | FY04 | FY05 |
| Joint Threat Warning System (JTWS) | 5.490 | 1.236 | 4.434 | 3.024 |
| RDT&E Articles Quantity | | | | |
| FY02 This initiative was a Congressional Plus-up. Funds were used to integrate and migrate existing commercial available technology, low probability of intercept voice/non-voice threats and direction finding capabilities into the maritime legacy platform (PRIVATEER). Additionally | | | | |

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|---|-------|------|------|------|
| these funds initiated the JTWS Ground SIGINT Kit and continued team transportable development. FY03 Complete Ground Signal Intelligence (SIGINT) kit development. FY04 Complete Ground SIGINT kit development and initiate the air variant development. | | | | |
| | FY02 | FY03 | FY04 | FY05 |
| Solid State Synthetic Aperture Radar | 2.920 | | | |
| RDT&E Articles Quantity | | | | |
| FY02 This initiative was a Congressional plus-up. Funds were used to demonstrate technologies to improve identification of targets in high sea states and high ground clutter environments. | | | | |
| | FY02 | FY03 | FY04 | FY05 |
| Remote Miniature Weather System | | | .492 | |
| RDT&E Articles Quantity | | | | |
| FY04 Integrate an alternative communications link and eye-safe laser into existing RMWS components. | | | | |
| | FY02 | FY03 | FY04 | FY05 |
| Optimal Placement of Unattended Sensors | | .950 | | |
| RDT&E Articles Quantity | | | | |
| FY03 This initiative was a Congressional plus-up. Funds will be used to develop and demonstrate commercial technology used to identify the optimal placement of unattended sensors. | | | | |
| | FY02 | FY03 | FY04 | FY05 |
| Special Operations Tactical Video System | | | .020 | .020 |
| RDT&E Articles Quantity | | | | |
| FY04 Conduct future system evaluation of digital imagery to SOF tactical communication systems in support of surveillance and reconnaissance missions. | | | | |
| | FY02 | FY03 | FY04 | FY05 |

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| Appropriation/Budget Activity RDT&E BA # 7 | | Special Operations Intelligence/Project S400 | | | |
| Defense Emergency Response Fund Plan | 3.085 | | | | |
| RDT&E Articles Quantity | | | | | |
| FY02 Special Operations Joint Interagency Collaboration Center (SOJICC). Developed, integrated and tested different commercial off-the-shelf hardware and software applications to achieve data compatibility for data mining and retrieval, link and nodal analysis, and data visualization. | | | | | |
| | FY02 | FY03 | FY04 | FY05 | |
| SOJICC | | .116 | 2.477 | 2.469 | |
| RDT&E Articles Quantity | | | | | |
| FY03 Continue systems engineering and program management efforts to achieve data compatibility by integrating different commercial off-the-shelf hardware and software applications for data mining and retrieval, link and nodal analysis, and data visualization. FY04 Continue systems engineering and program management efforts to achieve data compatibility by integrating different commercial off-the-shelf hardware and software applications for data mining and retrieval, link and nodal analysis, and data visualization. | | | | | |
| | FY02 | FY03 | FY04 | FY05 | |
| Counter-Proliferation Analysis and Planning (CAPS) | 4.964 | | 6.000 | 6.864 | |
| RDT&E Articles Quantity | | | | | |
| FY02 This initiative was a Congressional Plus-up. Funds developed SOF unique capabilities of Air Force Counter-Proliferation Analysis and Planning (CAPS) program: integration of SOF unique capabilities for CAPS sensor integration, information operations, mission analysis, collaboration, hypertext markup language CAPS integration, and sensor placement and optimization. FY04 Continues integration of SOF unique capabilities for CAPS sensor integration, information operations, mission analysis, collaboration, hypertext markup language CAPS integration, and sensor placement and optimization. | | | | | |
| | FY02 | FY03 | FY04 | FY05 | |
| Special Operations Command Research Analysis & Threat Evaluation System (SOCRATES) | | | 1.967 | 1.961 | |
| RDT&E Articles Quantity | | | | | |
| FY04 Initiate efforts to develop a Multi-Level Security guard that provides the capability to automatically pass imagery and data classified SECRET and below from a TOP SECRET system to a SECRET system without manual intervention. | | | | | |

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| Exhibit R-2a, RDT&E Project Justification | | Date: FEBRUARY 2003 |
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C. Other Program Funding Summary:

| | <u>FY02</u> | <u>FY03</u> | <u>FY04</u> | <u>FY05</u> | <u>FY06</u> | <u>FY07</u> | <u>FY08</u> | <u>FY09</u> | To <u>Complete</u> | Total <u>Cost</u> |
|--------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------|----------------------|
| PROC, SOF Intelligence Systems | 26.332 | 13.332 | 16.522 | 16.740 | 18.964 | 20.980 | 16.212 | 17.685 | Cont. | Cont. |

D. Acquisition Strategy:

- Multi Mission Advanced Tactical Terminal is an evolutionary acquisition program that will insert proven embedded Integrated Broadcast System (IBS) receiver technologies into SOF systems/platforms requiring IBS data for a common hardware and software solution. National Systems Support to SOF (NSSS) is a project to introduce and integrate national systems capabilities into the SOF force structure and operations.
- NSSS activities include increasing national and commercial systems awareness, demonstrating the tactical utility of national systems and commercial data, testing technologies and evaluating operational concepts in biennial Joint Staff Special Projects, and transitioning promising concepts and technologies to other SOF program offices for execution.
- Joint Threat Warning System (JTWS) is an evolutionary acquisition program that consolidated fielded systems to include: PRIVATEER, SILENT SHIELD and Improved SOF Signal Intelligence Manpack System. As an evolutionary acquisition program, JTWS will continue to introduce systems improvements via evolutionary technology insertions tailored to satisfy specific platform requirements.
- Solid State Synthetic Aperture Radar will be fully developed from commercial off-the-shelf items already certified for military applications. However, the delivered product is envisioned to be a “brass-board” system. The system should be mature enough to enter the acquisition system at Milestone “C” with only specific packaging considerations remaining.
- Remote Miniature Weather Station will integrate an eye-safe laser as a key component of the existing ceilometer system.
- Optimal Placement of Unattended Sensors (OPUS). Systems Readiness Center will leverage existing OPUS commercial-off-the-shelf technology to provide a capability to plan, coordinate and identify the optimal placement of unattended sensors.
- Special Operations Tactical Video System program will conduct future system evaluation of digital imagery to SOF tactical communication

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systems in support of surveillance and reconnaissance missions for candidates of capital equipment replacement.

- Special Operations Joint Interagency Collaboration Center integrates commercial off-the-shelf hardware and software applications to provide a capability to plan, coordinate, and integrate Joint Information Operations in support of CONOPS supporting Secretary of Defense tasking, regional combatant commanders' theater plans and core mission tasks and provides USSOCOM mission planners a critical tool to positively effect the outcome of SOF missions worldwide.

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| Exhibit R-3 COST ANALYSIS | | | | | | DATE: FEBRUARY 2003 | | | | | |
|--|---------------|----------------------------------|----------|---|-----------|---------------------|-----------|-----------|-----------|-------------|---------------|
| APPROPRIATION / BUDGET ACTIVITY | | | | Special Operations Intelligence Systems Development/PE1160405BB | | | | | | | |
| RDT&E DEFENSE-WIDE / 7 | | | | Special Operations Intelligence/S400 | | | | | | | |
| Actual or Budget Value (\$ in millions) | | | | | | | | | | | |
| Cost Categories | Contract | | Total | Budget | Award | Budget | Award | Budget | Award | | |
| (Tailor to WBS, or System/Item Requirements) | Method & Type | Performing Activity & Location | PYs Cost | Cost FY03 | Date FY03 | Cost FY04 | Date FY04 | Cost FY05 | Date FY05 | To Complete | Total Program |
| Primary Hardware Dev | MIPR | SPAWAR, Charleston, SC | 8.085 | 1.236 | Feb-03 | 0.749 | Dec-03 | 2.010 | Dec-04 | Cont. | Cont. |
| | MIPR | TBD | | 2.579 | Feb-03 | 1.131 | Dec-03 | 0.630 | Dec-04 | Cont. | Cont. |
| Ancillary Hardware Dev | | | | | | | | | | | |
| Systems Engineering | Various | Various | 1.228 | 0.116 | Jan-03 | 2.477 | Dec-03 | 2.469 | Dec-04 | Cont. | Cont. |
| | MIPR | SPAWAR, Charleston, SC | 0.350 | | | 3.098 | Dec-03 | 0.574 | Dec-04 | Cont. | Cont. |
| | MIPR | Lawrence Livermore National Labs | 4.964 | | | 6.000 | Dec-03 | 6.864 | Dec-04 | Cont. | Cont. |
| Materiel/Equipment | | | | | | | | | | | |
| Subtotal Product Dev | | | 14.627 | 3.931 | | 13.455 | | 12.547 | | Cont. | Cont. |
| Remarks: | | | | | | | | | | | |
| DERF Funds: | | | | | | | | | | | |
| Primary Hardware Development | Various | Various | | 1.548 | | | | | | | 1.548 |
| Development Spt | | | | | | | | | | | |
| Software Dev/Integ | MIPR | BTG, Inc., Fairfax, VA | 1.255 | 0.029 | May-03 | 0.055 | Apr-04 | 0.056 | Apr-05 | Cont. | Cont. |
| | MIPR | TBD | | | | 1.967 | Jan-04 | 1.961 | Jan-05 | | |
| Software Spt | | | | | | | | | | | |
| Training Development | | | | | | | | | | | |
| Integrated Logistics Spt | | | | | | | | | | | |
| Configuration Management | | | | | | | | | | | |
| Subtotal Spt | | | 1.255 | 0.029 | | 2.022 | | 2.017 | | | Cont. |
| Remarks: | | | | | | | | | | | |
| DERF Funds: | | | | | | | | | | | |
| Software Dev/Tng | Various | Various | | 1.585 | | | | | | | 1.585 |
| Training Development | FFP/C | EMC Corp, MacLean, VA | | 0.038 | | | | | | | 0.038 |

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| Exhibit R-3 COST ANALYSIS | | | | | | DATE: FEBRUARY 2003 | | | | | |
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| APPROPRIATION / BUDGET ACTIVITY | | | | Special Operations Intelligence Systems Development/PE1160405BB | | | | | | | |
| RDT&E DEFENSE-WIDE / 7 | | | | Special Operations Intelligence/S400 | | | | | | | |
| Actual or Budget Value (\$ in millions) | | | | | | | | | | | |
| Cost Categories | Contract | | Total | Budget | Award | Budget | Award | Budget | Award | | |
| (Tailor to WBS, or System/Item Requirements) | Method & Type | Performing Activity & Location | PYs Cost | Cost FY03 | Date FY03 | Cost FY04 | Date FY04 | Cost FY05 | Date FY05 | To Complete | Total Program |
| Developmental Test & Eval | MIPR | SPAWAR, Charleston, SC | 0.630 | | | 0.061 | Dec-03 | | | | 0.691 |
| OT&E | MIPR | SPAWAR, Charleston, SC | 1.737 | | | 0.526 | Dec-03 | 0.440 | Dec-04 | Cont. | Cont. |
| | MIPR | DESA, Kirtland, NM | 0.217 | | | 0.020 | Dec-03 | 0.020 | Dec-04 | Cont. | Cont. |
| Subtotal T&E | | | 2.584 | | | 0.607 | | 0.460 | | | Cont. |
| Remarks: | | | | | | | | | | | |
| Government Engineering Spt | | SPAWAR, Charleston, SC | 0.116 | 0.220 | Apr-03 | 0.028 | Dec-03 | 0.029 | Dec-04 | Cont. | Cont. |
| Program Management Spt | CPAF | TBD | | 0.441 | Oct-02 | 0.553 | Oct-03 | 0.564 | Oct-04 | Cont. | Cont. |
| Travel | N/A | USSOCOM, MacDill AFB, FL | 0.136 | 0.027 | Various | 0.061 | Various | 0.062 | Various | Cont. | Cont. |
| Subtotal Management | | | 0.252 | 0.688 | | 0.642 | | 0.655 | | Cont. | Cont. |
| Remarks: | | | | | | | | | | | |
| Total DERF | | | 3.171 | | | | | | | | 3.171 |
| Total Cost | | | 18.718 | 4.648 | | 16.726 | | 15.679 | | Cont. | Cont. |

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| Exhibit R-4, Schedule Profile | | | | | | | | | | | Date: FEBRUARY 2003 | | | | | | | | | | | | | | | | | | | | | |
|--|------|---|---|---|--|---|---|---|------|---|---------------------|---|------|---|------------------------------|---|------|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|
| Appropriation/Budget Activity | | | | | Program Element Number and Name | | | | | | | | | | Project Number and Name | | | | | | | | | | | | | | | | | |
| RDT&E/7 | | | | | PE1160405BB/Special Operations Tactical System Development | | | | | | | | | | Project S400/SO Intelligence | | | | | | | | | | | | | | | | | |
| Fiscal Year | 2002 | | | | 2003 | | | | 2004 | | | | 2005 | | | | 2006 | | | | 2007 | | | | 2008 | | | | 2009 | | | |
| | 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 |
| MATT IBS Development | | | | | | | | △ | △ | | | | | | | | | | | | | | | | | | | | | | | |
| NSSS Participation in Adv Concepts Tech Demonstrations | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| JTWS Ground - Team Transportable Development | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | | | | | | | | | | |
| JTWS Ground - SIGINT Kit Development | | ▲ | ▲ | ▲ | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | | |
| JTWS Air Variant Development | | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | | |
| JTWS Evolutionary Technology Insertions | | ▲ | ▲ | ▲ | | | | | | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| SSSAR Demonstation | | | ▲ | ▲ | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RMWS Integration | | | | | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | | | | | | |
| OPUS Concept Development | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | | | | | | | | | | | | |
| SOTVS Future System Evaluation | | | | | | | | | ▲ | ▲ | | | ▲ | ▲ | | | ▲ | ▲ | | | ▲ | ▲ | | | ▲ | ▲ | | | ▲ | ▲ | | |
| SOJICC Integration and Tset | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| CAPS Integration | | | ▲ | ▲ | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| SOCRATES Multi-Level Security | | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | |

