

UNCLASSIFIED

EXHIBIT R-2, FY 2003 RDT&E,N BUDGET ITEM JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5 PROGRAM ELEMENT: 0604721N
PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

(U) COST: (Dollars in Thousands)

| PROJECT NUMBER & Title | FY2001 | FY2002 | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | To Complete | Total Program |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|----------------|------------------|
| X2134 SHIPBOARD IW EXPLOIT | 696 | 7,067 | 14,070 | 15,346 | 15,984 | 16,199 | 16,459 | Cont. | Cont. |
| X2135 CDL-N | 1,493 | 0 | 0 | 0 | 0 | 0 | 0 | 1,493 | 1,493 |
| Total | 2,189 | 7,067 | 14,070 | 15,346 | 15,984 | 16,199 | 16,459 | Cont. | Cont. |

Note: Project X2135 has been incorporated into Project X2134 beginning in FY 02.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Shipboard Information Warfare line includes the following programs: Ships Signal Exploitation Equipment (SSEE), the Program of Record that executes the Maritime Cryptologic Systems for the 21st Century (MCS 21) and Common Data Link - Navy (CDL-N) the Navy Program of Record that implements the DoD mandated use of the Common Data Link waveform to downlink un-processed SIGINT/COMINT and imagery. These systems provide the Battle Group with real time Indications and Warnings (I&W) by acquisition and localization of signals of interest (SOI). This program's funding is required to incorporate new commercial off-the-shelf (COTS) based technologies and software into the existing systems. The funding will focus on merging the current IW sensor systems into a scalable sensor package that can be tailored to different ship types and be compliant with the Maritime Cryptologic Architecture.

(U) JUSTIFICATION FOR BUDGET ACTIVITY: This program is funded under ENGINEERING & MANUFACTURING DEVELOPMENT because it encompasses engineering and manufacturing development of new end-items prior to production approval decision.

B. (U) PROGRAM CHANGE SUMMARY EXPLANATION:

(U) Funding:

FY 2001: -\$16K Section 8086: .7% Pro-Rata Reduction, -\$5 Government-Wide Rescission PL 106-554 Sec. 14, -\$22K Navy Miscellaneous Adjustment.

FY 2002: -\$1,000K Realignment for EKMS Tier 1 and -\$63K Section 8123: Management Reform Initiative.

(U) Schedule: None

(U) Technical: None

R-1 Shopping List - Item No. 134-1 of 134-16

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Exhibit R-2, RDT&E Budget Item Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5 PROGRAM ELEMENT: 0604721N PROJECT NUMBER: X2134
PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System PROJECT TITLE: Shipboard I W Exploit

(U) COST: (Dollars in Thousands)

| PROJECT NUMBER & Title | FY2001 | FY2002 | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | To Complete | Total Program |
|-------------------------------|--------|--------|--------|--------|--------|--------|--------|----------------|------------------|
| X2134 SHIPBOARD IW EXPLOIT | 696 | 7,067 | 14,070 | 15,346 | 15,984 | 16,199 | 16,459 | Cont. | Cont. |
| Total | 696 | 7,067 | 14,070 | 15,346 | 15,984 | 16,199 | 16,459 | Cont. | Cont. |

Note: Project X2135 has been incorporated into Project X2134 beginning in FY 02.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Shipboard Information Warfare line includes the following programs: Ships Signal Exploitation Equipment (SSEE) and Common Data Link - Navy (CDL-N). These systems provide the Battle Group with real time Indications and Warnings (I&W) by acquisition and localization of signals of interest (SOI). This program's funding is required to incorporate new commercial off-the-shelf (COTS) based technologies and software into the existing systems. The funding will focus on merging the current IW sensor systems into a scalable sensor package that can be tailored to different ship types and be compliant with the Maritime Cryptologic Architecture.

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System PROJECT TITLE: Shipboard I W Exploit

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2001 Accomplishments:

- (U) (\$ 538) Integrated new GCCS-M functionality into BGPHEs-ST baseline.
- (U) (\$ 158) Improved EP3 (air platform) interoperability.

2. (U) FY 2002 PLAN:

- (U) (\$ 495) Initiate development of capturing non-line of sight High Frequency, HF signals for Transportable Radio Direction Finding (TRDF).
- (U) (\$2,265) Initiate development of Cryptologic Unified Build (CUB) software to incorporate latest Defense Information Infrastructure Common Operating Environment (DII COE) release for interoperability of Shipboard IW programs. CUB software is utilized on all Shipboard IW programs. This development effort targets the DII COE 4.X baseline. Integrate Defense Messaging System (DMS) software/upgrades into CUB baseline and test.
- (U) (\$ 655) Initiate and complete development of SSEE Increment E Engineering Development Model (EDM). Includes development and operational testing. Effort is focused on integrating state-of-the-art Electronic Support Measures/Signal Intelligence (ESM/SIGINT) attributes into current surface shipboard IW programs.
- (U) (\$ 567) Expand Cryptologic On-line Trainer (COLT) software for Shipboard IW programs to include expansion of existing SOI simulations and support for Wide Area Network (WAN) training.
- (U) (\$1,885) Integrate new CUB/DII COE 3.X functionality into the SSEE, Incr E baseline, which includes horizon extension capabilities. Continue development effort to maintain interoperability with USAF airborne Primary Mission Equipment, PME.
- (U) (\$1,200) Initiate design and development of CDL-N integrated operator station and Intelligence, Surveillance and Reconnaissance (ISR) processing systems. Continue CDL-N development efforts (begun in Project X2135) for interoperability and integration with emerging Navy sensor systems such as VTUAV, F/A-18 SHARP and EP-3E Multi-int systems.

R-1 Shopping List - Item No. 134-3 of 134-16

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System PROJECT TITLE: Shipboard I W Exploit

3. (U) FY 2003 PLAN:

- (U) (\$2,000) Complete development of the High Frequency Non-Line-of-Sight capability. Initiate development of low signature Direction Finding (DF) and Acquisition antenna sub-system. Initiate development of improved Radio Frequency (RF) distribution sub-system. Both antenna and distribution systems will support existing and future ship classes for Shipboard IW programs, handle modern Signals of Interest (SOIs), and increase both shipboard and operational environment interference.
- (U) (\$1,750) Continue development of Cryptologic Unified Build (CUB) software to incorporate latest DII COE releases/updates for interoperability of Shipboard IW programs. CUB software is utilized on all Shipboard IW programs. This development effort targets the DII COE 5.X baseline. Update CUB on-line tutorial software. Initiate development of Blue Forces IW database.
- (U) (\$5,050) Initiate development of SSEE Increment E upgrade. Upgrade includes incorporation of latest CUB release and expansion of signal of interest (SOI) database. Initiate special/modern signal collection and processing development
- (U) (\$ 500) Expand Cryptologic On-line Trainer (COLT) software for Shipboard IW programs to include improvement of existing SOI simulations and support for WAN training.
- (U) (\$2,472) Continue CDL-N development efforts for interoperability and integration with emerging Navy sensor systems such as VTUAV, F/A-18 SHARP and EP-3E Multi-int systems. Continue design and development of CDL-N Block 2 integrated operator station and ISR processing systems. Integrate advanced technology CDL modem.
- (U) (\$2,298) Initiate development of improved Specific Emitter Identification (SEI) software by retooling existing prototypes into a single platform. Continue compatibility testing with SEI collection hardware and software. Initiate expansion of Navy's SEI data management architecture. Facilitate the tactical employment of Navy SEI by addressing various operational issues and problems. Initiate development and testing of SEI software enhancements in GCCS-M (CORRUS), GALE-Lite (SEI-GALE), and other fielded systems as required.

B. (U) OTHER PROGRAM FUNDING SUMMARY: (Dollars in thousands)

| | FY2001 | FY2002 | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | To | Total |
|---------------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| | Estimate | Complete | Program |
| OPN Line 2360 | 59,291 | 55,971 | 77,066 | 116,821 | 63,331 | 65,524 | 69,925 | Cont. | Cont. |
| O&M,N 5C2C | 3,381 | 9,106 | 9,280 | 10,898 | 12,979 | 14,609 | 16,015 | Cont. | Cont. |

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: Shipboard I W Exploit

(U) RELATED RDT&E: PE 0305885G

C. (U) ACQUISITION STRATEGY

BGPHERS

**Note: BGPHERS Capabilities are incorporated into SSEE Incr E beginning in FY02.*

| | <u>FY2001</u> | <u>FY 2002</u> | <u>FY2003</u> | <u>To Complete</u> |
|------------------------|---------------|--------------------------|---------------|--------------------|
| Program Milestones | | | | |
| Engineering Milestones | | | | |
| T&E Milestones | | Interoperability Testing | | |
| Contract Milestones | | DII COE/CUB 3.X Upgrade | | |

CDL-N

| | <u>FY2001</u> | <u>FY 2002</u> | <u>FY 2003</u> | <u>To Complete</u> |
|------------------------|---------------|----------------|-------------------------------|--------------------------|
| Program Milestones | | | | |
| Engineering Milestones | | | | |
| T&E Milestones | | | SHARP Inter-operability Tests | Interoperability Testing |
| Contract Milestones | | | | |

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: Shipboard I W Exploit

Cryptologic Unified Build (CUB)

| | <u>FY2001</u> | <u>FY 2002</u> | <u>FY2003</u> | <u>To Complete</u> |
|------------------------|---------------|---|---|---|
| Program Milestones | | | | |
| Engineering Milestones | | Integration Testing & Engineering Release CUB 4.X | System Requirements Review CUB 5.X | |
| | | Test Readiness Review CUB 4.X | Critical Design Review CUB 5.X | |
| T&E Milestones | | Interoperability Certification & Shipboard Test | Integration Testing & Engineering Release CUB 5.X | Interoperability Certification & Shipboard Test |
| Contract Milestones | | | | |

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: Shipboard I W Exploit

SPECIFIC EMITER IDENTIFICATION (SEI)

| | <u>FY2001</u> | <u>FY 2002</u> | <u>FY2003</u> | <u>To Complete</u> |
|------------------------|---------------|----------------|---|--|
| Program Milestones | | | | Operational Assessment (LRIP) |
| Engineering Milestones | | | -Software Retool Preliminary Design Review (PDR) -Critical Design Review (CDR) -System Requirements Review (SRR) -Software Integration Testing & Engineering Release -Initiate data mgmt architecture developments -Initiate system improvements & fixes -DII COE /CORRUS and SEI-GALE Upgrades | Data management architecture development & testing Hardware and Software Integration /Interoperability Testing |
| T&E Milestones | | | -Hardware / Software Compatibility Testing -Software Operational Readiness Testing (ORT) -Operational Assessments Testing (OPEVAL) | -Interoperability Testing Software Operational Readiness Testing (ORT) -Operational Assessments Testing (OPEVAL) |
| Contract Milestones | | | Award development contract for system modifications | |

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: Shipboard I W Exploit

SSEE Increment E

**Note: BGPHERS Capabilities are incorporated into SSEE Incr E beginning in FY02.*

| | <u>FY2001</u> | <u>FY 2002</u> | <u>FY2003</u> | <u>To Complete</u> |
|------------------------|----------------------------|---|--|--|
| Program Milestones | | | Operational Assessment (LRIP) | Milestone IIID |
| Engineering Milestones | | Preliminary Design Review (PDR) | Initiate - P ³ I development | P ³ I development and testing |
| | | Integration Testing and Factory Acceptance Test (FAT) | | |
| | | Test Readiness Review | | |
| | | Extension Horizon Interoperability Testing | | |
| | | DII COE/CUB 4.X Upgrade | | |
| T&E Milestones | | Development Testing (DT) | Operational Assessments Testing (OPEVAL) | Interoperability Testing |
| | | Operational Assessments Testing (OPEVAL) | | Operational Assessments Testing (OPEVAL) |
| Contract Milestones | Award Development Contract | | Award LRIP Contract | Award Full Rate Production Contract |

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: Shipboard I W Exploit

Transportable Radio Direction Finder (TRDF)

| | <u>FY2001</u> | <u>FY 2002</u> | <u>FY2003</u> | <u>To Complete</u> |
|------------------------|---------------|---|--|---|
| Program Milestones | | | | |
| Engineering Milestones | | HF Non-Line-of-Sight computer based model | Antenna and RF distribution systems EDM | |
| T&E Milestones | | HF Non-Line-of-Sight capability demonstrated on ships | Complete HF Non-Line-of-Sight DT | DT and Shipboard testing of Antenna and RF Distribution System. |
| Contract Milestones | | Award development contract for HF Non-Line-of-Sight capability. | Award development contract for Antenna and RF distribution system. | |

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Exhibit R-2a, RDT&E Project Justification

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EXHIBIT R-3, FY 2003 RDT&E,N PROJECT COST ANALYSIS

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

Project Number: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

Project Title: Shipboard I W Exploit

| Exhibit R-3 Cost Analysis (page 1) | | | | | | | | | Date: FEB 2002 | | | |
|--|------------------------|--------------------------------|---------------------------|-----------|-----------------|-----------|-----------------|----------------------------|-----------------|------------------|------------|--------------------------|
| APPROPRIATION: RDT&E,N BUDGET ACTIVITY: 5 | | | PROGRAM ELEMENT: 0604721N | | | | | Shipboard IW Exploit X2134 | | | | |
| Cost Categories | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY01 Cost | FY01 Award Date | FY02 Cost | FY02 Award Date | FY03 Cost | FY03 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Hardware Development/Integration | Various | Various | 0 | 630 | Jan 01 | 6,485 | Dec 01 | 12,320 | Dec 02 | Cont. | Cont. | Cont. |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal Product Development | | | 0 | 630 | | 6,485 | | 12,320 | | Cont. | Cont. | Cont. |
| Remarks: | | | | | | | | | | | | |
| Integrated Logistics Support | Various | Various | 0 | 0 | | 0 | | 0 | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal Support | | | 0 | 0 | | 0 | | 0 | | | | |
| Remarks | | | | | | | | | | | | |
| <i>Prior year for CDL-N reflected in Project x2135</i> | | | | | | | | | | | | |

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EXHIBIT R-3, FY 2003 RDT&E,N PROJECT COST ANALYSIS

DATE: FEB 2002

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

Project Number: X2134

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

Project Title: Shipboard I W Exploit

| Exhibit R-3 Cost Analysis (Page 2) | | | | | | | | Date FEB 2002 | | | | |
|--|------------------------|--------------------------------|----------------|---------------------------|-----------------|-----------|-----------------|-----------------------------|-----------------|------------------|------------|--------------------------|
| APPROPRIATION: RDT&E,N BUDGET ACTIVITY: 5 | | | | PROGRAM ELEMENT: 0604721N | | | | Shipboard IW Exploit: X2134 | | | | |
| Cost Categories | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY01 Cost | FY01 Award Date | FY02 Cost | FY02 Award Date | FY03 Cost | FY03 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Developmental /Operational T&E | Various | Various | 0 | 66 | Jan 01 | 582 | Dec 01 | 1,750 | Dec 02 | Cont. | Cont. | Cont. |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal T&E | | | 0 | 66 | | 582 | | 1,750 | | Cont. | Cont. | Cont. |
| Remarks | | | | | | | | | | | | |
| Project Management | Various | Various | 0 | 0 | | 0 | | 0 | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal Management | | | 0 | 0 | | 0 | | 0 | | | | |
| Remarks | | | | | | | | | | | | |
| <i>Prior year for CDL-N reflected in Project x2135</i> | | | | | | | | | | | | |
| Total Cost | | | 0 | 696 | | 7,067 | | 14070 | | Cont. | Cont. | Cont. |

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

DATE: FEB 2002

PROJECT NUMBER: X2135

PROJECT TITLE: CDL-N

(U) COST: (Dollars in Thousands)

PROJECT

NUMBER & Title

| | FY2001 | FY2002 | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | To Complete | Total Program |
|-------|--------|--------|--------|--------|--------|--------|--------|-------------|---------------|
| X2135 | | | | | | | | | |
| CDL-N | 1,493 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,493 |

Note: Starting in FY02 Project X2135 funding transferred to Project X2134.

A. (U) MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: The Common Data Link-NAVY (CDL-N) (formerly CHBDL) equipment will provide a common high bandwidth data link shipboard terminal for the receipt of signal, imagery, second counter-intelligence data from remote airborne sensors and the transmission of link and sensor control data to airborne platforms. Signal intelligence data is received from the Battle Group Passive Horizon Extension System (BGPHER) Airborne Component (AC) and delivered to the BGPHER Shipboard Terminal. Imagery intelligence data is received from various tactical airborne reconnaissance systems and delivered to the Joint Service Imagery Processing System - Navy (JSIPS-N). Acoustic intelligence data is received from various tactical airborne reconnaissance systems and delivered to the Aircraft Carrier Tactical Support Center.

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

DATE: FEB 2002

PROJECT NUMBER: X2135

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: CDL-N

(U) PROGRAM ACCOMPLISHMENTS AND PLANS:

1. (U) FY 2001 Accomplishments:

- (U) (\$470) Continued development efforts for interoperability with other emerging sensor systems
- (U) (\$325) Completed development efforts for ship-to-ship data connectivity.
- (U) (\$698) Completed study of multi-queuing capability development.

B. (U) OTHER PROGRAM FUNDING SUMMARY: (Dollars in thousands)

* See Project x2134.

(U) RELATED RDT&E:

PE 0603261N Project A2174 Joint Service Imagery Processing Systems - Navy (JSIPS-N).

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EXHIBIT R-2A, FY 2003 RDT&E,N PROJECT JUSTIFICATION

BUDGET ACTIVITY: 5

PROGRAM ELEMENT: 0604721N

DATE: FEB 2002

PROJECT NUMBER: X2135

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System

PROJECT TITLE: CDL-N

C. (U) ACQUISITION STRATEGY

CDL-N

FY2001

FY 2002

FY2003

To Complete

Program Milestones

Engineering Milestones Completed Multi
Queuing Capability
study

T&E Milestones

Contract Milestones

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EXHIBIT R-3, FY 2003 RDT&E,N PROJECT COST ANALYSIS

DATE: FEB 2002

BUDGET ACTIVITY: 5 PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2135

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System PROJECT TITLE: CDL-N

| Exhibit R-3 Cost Analysis (page 1) | | | | | | | | | Date: FEB 2002 | | | |
|---|------------------------|--------------------------------|---------------------------|-----------|-----------------|-----------|-----------------|-----------|-----------------|------------------|------------|--------------------------|
| APPROPRIATION: RDT&E,N BUDGET ACTIVITY: 5 | | | PROGRAM ELEMENT: 0604721N | | | | | | CDL-N X2135 | | | |
| Cost Categories | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY01 Cost | FY01 Award Date | FY02 Cost | FY02 Award Date | FY03 Cost | FY03 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Primary Hardware Development | CPFF | Loral- Salt Lake, UT | 20,502 | 0 | | 0 | | 0 | | 20,502 | 20,502 | 20,502 |
| Hardware Development/Integration | Various | Various | 5,057 | 1,343 | Dec 00 | 0 | | 0 | | * | * | * |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal Product Development | | | 25,559 | 1,343 | | 0 | | 0 | | * | * | * |
| Remarks: | | | | | | | | | | | | |
| Integrated Logistics Support | Various | Various | 254 | 0 | | 0 | | 0 | | * | * | * |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal Support | | | 254 | 0 | | 0 | | 0 | | * | * | * |
| Remarks | | | | | | | | | | | | |
| *Transferred to Project X2134 in FY02 | | | | | | | | | | | | |

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EXHIBIT R-3, FY 2003 RDT&E,N PROJECT COST ANALYSIS

DATE: FEB 2002

BUDGET ACTIVITY: 5 PROGRAM ELEMENT: 0604721N

PROJECT NUMBER: X2135

PROGRAM ELEMENT TITLE: Shipboard Information Warfare Exploit System PROJECT TITLE: CDL-N

| Exhibit R-3 Cost Analysis (page 2) | | | | | | | | | Date: FEB 2002 | | | |
|---|------------------------|--------------------------------|----------------|---------------------------|-----------------|-----------|-----------------|-------------|-----------------|------------------|------------|--------------------------|
| APPROPRIATION: RDT&E,N BUDGET ACTIVITY: 5 | | | | PROGRAM ELEMENT: 0604721N | | | | CDL-N X2135 | | | | |
| Cost Categories | Contract Method & Type | Performing Activity & Location | Total PYs Cost | FY01 Cost | FY01 Award Date | FY02 Cost | FY02 Award Date | FY03 Cost | FY03 Award Date | Cost To Complete | Total Cost | Target Value of Contract |
| Developmental/Operational T&E | Various | Various | 1,515 | 150 | Dec 00 | 0 | | 0 | | * | * | * |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal T&E | | | 1,515 | 150 | | 0 | | 0 | | * | * | * |
| Remarks | | | | | | | | | | | | |
| Project Management | Various | Various | 465 | 0 | | 0 | | 0 | | * | * | * |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Subtotal Management | | | 465 | 0 | | 0 | | 0 | | * | * | * |
| Remarks | | | | | | | | | | | | |
| * Transferred to Project X2134 in FY02 | | | | | | | | | | | | |
| Total Cost | | | 27,793 | 1,493 | | 0 | | 0 | | * | * | * |