Information Technology Initiatives in FY 1993. DNA has installed additional hardware and software to provide the required B-1 Level Security (multi-level processing) on the Agency host processor acquired via the GSA Exchange/Sale Program. Additional on-line and near-line storage will be purchased to ensure the Agency's ability to continue its implementation of "lights-out" computer operations. The Agency will expand its LAN operations through procurement of storage array units. Additional office automation (OA) functions have begun that provides users with capability to access an on-line central file/directives management system through integration of object-oriented front end OA toolsets built upon high-speed optical disk technology that utilizes relational database management and file management systems. DNA will purchase and install a CRAY Y-MP-class processor to provide increased capability for Agency research and development projects which have increased the payoff in expenditures of research dollars. During FY 93, DNA has provided increased telecommunications bandwidth to support the scientific computing visualization projects.

Management Process Used to Validate Data: DNA senior management approves all requests for resources through program management reviews before these resources are reflected in the Agency budget.


Item 1A, "Capital Investments - Purchase of Hardware": 1) In FY93, there was a 315% increase. Increase is for purchase of supercomputing resources ($15.5 million) in FY93 for support of Agency's Scientific Computing Program.

Item 3A, "Equipment rental, space, and other operating costs - Lease of Hardware": 1) In FY94, there is a 100% decrease. Decrease is due to the end of a federal lease to ownership between Field Command, DNA and Digital Equipment Corporation (DEC). This hardware represents a dual VAX 3800 with 5 VAX 3100 workstations for support of the Nuclear Inventory Material and Cataloging System (NIMACS).

Item 3C, "Equipment rental, space, and other operating costs - space": 1) In FY94, there was a 30% increase. Increase is due to an assessment increase from GSA for SLUC (standard level user charge) associated with DNA's headquarters, computer operations center.
DEPARTMENT OF DEFENSE
DEFENSE NUCLEAR AGENCY
FY 1994 BUDGET ESTIMATES
REPORT ON INFORMATION TECHNOLOGY SYSTEMS

Item 3D, "Equipment rental, space, and other operating costs-supplies and other": 1) In FY94, there is a 38% decrease. Decrease is due to "No New Starts" planned in FY94 for purchases of off-the-shelf applications software and supplies in support of both Field Command, DNA and Headquarters DNA, Local Area Networks (LAN) and office administration.

Item 4C, "Commercial services-data communications": 1) In FY93, there is a 29% increase. Increase is due to separate budgeting for DNA's Scientific Computing Program for data communications and then transferring the payments under 5A Interagency Services-Payments.

Item 4D, "Commercial services-operations and maintenance": 1) In FY93, there is a 34% increase. This increase resulted from additional support to the DNA's Headquarters, Computer Operations Center.

Item 4E, "Commercial services-systems analysis, programming, design, and engineering": 1) In FY93, there is a 37% increase. Increase is due to DNA's Nuclear Operations/Safety Assessment Program development of an Information Management System that will provide an integrated and centralized capability for collecting, processing, storing, analyzing and retrieving information relevant to nuclear weapon system safety.

Item 4G, "Commercial services-significant use of information technology": 1) In FY94, there is a 60% decrease. This decrease is due to completion of modeling efforts related to A/C systems and in-silo systems response.
1. **Capital investments ($000)**
   - A. Purchase of hardware 4777 19836 4763
   - B. Purchase of software 1962 1492 1314
   - C. Site or facility 3

   **Subtotal** 6742 21328 6077

2. **Personnel**
   - A. Compensation, benefits and travel ($000)
     - 5648 5852 6137
   - B. Workyears 145 148 148

   **Subtotal** 5648 5852 6137

3. **Equipment rental, space, and other operating costs ($000)**
   - A. Lease of hardware 126 124
   - B. Lease of software 274 277 284
   - C. Space 173 180 234
   - D. Supplies and other 567 575 356

   **Subtotal** 1140 1156 874

4. **Commercial services ($000)**
   - A. ADPE time
   - B. Voice communications
   - C. Data communications 36 1098 1029
   - D. Operations and maintenance 3125 4179 4134
   - E. Systems analysis, programming, design, and engineering 5420 7428 6210
   - F. Studies and other 1303 1562 1612
   - G. Significant use of Information technology 4077 5354 2137

   **Subtotal** 13961 19621 15122

Exhibit 43A (page 1 of 2)
## DEPARTMENT OF DEFENSE

### DEFENSE NUCLEAR AGENCY

#### FY 1994 BUDGET ESTIMATES

### REPORT ON INFORMATION TECHNOLOGY SYSTEMS

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### Breakdown of line 4.D

- **Hardware maintenance**: 1192 1916 1982
- **Software maintenance**: 45 615 630
- **Computer Ops Support**: 1524 997 908
- **Hub Networks**: 364 651 614
- **Other**

**TOTAL**: 3125 4179 4134

---

Exhibit 43A (page 2 of 2)
### 1. Capital investments ($000)

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### 2. Personnel and travel

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### 3. Equipment rental, space, and other operating costs ($000)

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<td>D. Supplies and other:</td>
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<td>1) Purchase of off-the-shelf operating systems and communications software of $15,000 or less</td>
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## Department of Defense
### Defense Nuclear Agency
#### FY 1994 Budget Estimates
##### Summary Report on Development and Modernization

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4. **Commercial services ($000)**
   - A. ADPE time
   - B. Voice communications
   - C. Data communications
   - D. Operations
   - E. Maintenance:
     - 1) Hardware: 462 478 503
     - 2) Software: 4 50 53
   - F. Systems analysis, programming, design and engineering:
     - 1) Purchase of custom applications software of $15,000 or less: 4004 6384 5122
     - 2) Design and/or development of services, networks or facilities:  
   - G. Studies and other:
     - 1) Studies: 1029 1228 1456
     - 2) Commercial training: 106 50 50
     - 3) Other: 38 32 22
   - H. Significant use of information technology: 4077 5354 2137

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Exhibit 43A-1 (page 3 of 4)
### 6. Intra-agency services

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### 7. Other services

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### TOTAL

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Exhibit 43A-1 (page 4 of 4)
Automated information system name and number: GFE Scientific Computing Modernization

Life-cycle cost (LCC) in millions of dollars:
- $15.5 (then-year dollars)
- $15.5 (constant dollars) (base year)

Period covered by LCC: FY 93-97
Life-cycle management phase: Milestone 0
Warner exempt: No

1. **Capital investments ($000)**
   - **A. Purchase of hardware**
   - **B. Purchase of software:**
     1) Purchase of operating systems and communications software that exceeds $15,000
     2) Purchase of custom applications software that exceeds $15,000
     3) Purchase of off-the-shelf applications software that exceeds $15,000
   - **C. Site or facility**

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2. **Personnel and travel**
   - **A. Compensation and benefits ($000)**
     1) General management
     2) Other
   - **B. Workyears**
     1) General management
     2) Other
   - **C. Travel ($000)**

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3. **Equipment rental, space, and other operating costs ($000)**
   - **A. Lease of hardware**
   - **B. Lease of software:**
     1) Lease of operating systems and communications software
     2) Lease of applications software
   - **C. Space**
   - **D. Supplies and other:**
     1) Purchase of off-the-shelf operating systems and communications software of $15,000 or less
     2) Purchase of off-the-shelf applications software of $15,000 or less
     3) Supplies
     4) Other

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4. **Commercial services** ($000)
   
   A. ADPE time
   B. Voice communications
   C. Data communications
   D. Operations
   E. Maintenance:
      1) Hardware
      2) Software
   F. Systems analysis, programming, design and engineering:
      1) Purchase of custom applications software of $15,000 or less
      2) Design and/or development of services, networks or facilities
   G. Studies and other:
      1) Studies
      2) Commercial training
      3) Other
   H. Significant use of information technology

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5. **Interagency services**
   
   A. Payments
   B. Offsetting collections

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6. **Intra-agency services**
   
   A. Payments
   B. Offsetting collections

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7. **Other services**
   
   A. Payments
   B. Offsetting collections

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**TOTAL**

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Exhibit 43A-1b (page 2 of 2)
### DEPARTMENT OF DEFENSE
### DEFENSE NUCLEAR AGENCY
### FY 1994 BUDGET ESTIMATES
### SUMMARY REPORT ON OPERATIONS AND OTHER COST

1. **Capital investments ($000)**
   - **A. Purchase of hardware**
     - FY 1992: 2132
     - FY 1993: 2645
     - FY 1994: 1585
   - **B. Purchase of software:**
     1) **Purchase of operating systems and communications software that exceeds $15,000**
     - FY 1992: 45
     - FY 1993: 52
   2) **Purchase of custom applications software that exceeds $15,000**
   3) **Purchase of off-the-shelf applications software that exceeds $15,000**
     - FY 1992: 100
     - FY 1993: 103
   - **C. Site or facility**
     - FY 1992: 3
     - FY 1993: 3
     - FY 1994: 3
   - **Subtotal**
     - FY 1992: 2280
     - FY 1993: 2800
     - FY 1994: 1585

2. **Personnel and travel**
   - **A. Compensation and benefits ($000)**
     1) **General management**
     - FY 1992: 980
     - FY 1993: 1133
     - FY 1994: 1176
     2) **Other**
     - FY 1992: 2312
     - FY 1993: 2300
     - FY 1994: 2451
   - **B. Workyears**
     1) **General management**
     - FY 1992: 22
     - FY 1993: 24
     - FY 1994: 24
     2) **Other**
     - FY 1992: 53
     - FY 1993: 53
     - FY 1994: 54
   - **C. Travel ($000)**
     - FY 1992: 97
     - FY 1993: 104
     - FY 1994: 111
   - **Subtotal**
     - FY 1992: 3389
     - FY 1993: 3537
     - FY 1994: 3738

3. **Equipment rental, space, and other operating costs ($000)**
   - **A. Lease of hardware**
   - **B. Lease of software:**
     1) **Lease of operating systems and communications software**
     - FY 1992: 108
     - FY 1993: 112
     - FY 1994: 116
     2) **Lease of applications software**
   - **C. Space**
     - FY 1992: 173
     - FY 1993: 180
     - FY 1994: 234
   - **D. Supplies and other:**
     1) **Purchase of off-the-shelf operating systems and communications software of $15,000 or less**
     - FY 1992: 11
     - FY 1993: 78
     - FY 1994: 100

Exhibit 43A-2 (page 1 of 4)
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<td>762</td>
</tr>
</tbody>
</table>

4. **Commercial services ($000)**
   A. ADPE time
   B. Voice communications
   C. Data communications | 36 | 1098 | 1029 |
   D. Operations | 1888 | 1648 | 1522 |
   E. Maintenance:
      1) Hardware | 730 | 1438 | 1479 |
      2) Software | 41 | 565 | 577 |
   F. Systems analysis, programming, design and engineering:
      1) Purchase of custom applications software of $15,000 or less
      2) Design and/or development of services, networks or facilities | 1416 | 1216 | 1088 |
   G. Studies and other:
      1) Studies | 34 | 10 | 11 |
      2) Commercial training | 52 | 21 | 22 |
      3) Other | 44 | 49 | 51 |
   H. Significant use of information technology
      **Subtotal** | 4241 | 6045 | 5779 |
### 5. Interagency Services

#### A. Payments

<table>
<thead>
<tr>
<th>Service Description</th>
<th>FY 1992</th>
<th>FY 1993</th>
<th>FY 1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Department of Energy/Los Alamos Nat'l Lab</td>
<td>10713</td>
<td>9278</td>
<td>7999</td>
</tr>
<tr>
<td>2) Department of Energy Scientific Computing Support</td>
<td>43</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Defense Information Systems Agency</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) General Services Administration Encryption Installation</td>
<td>60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5) Department of Justice Juris Data Base Access</td>
<td>2</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>6) Library of Congress ADP Time</td>
<td>37</td>
<td>37</td>
<td>38</td>
</tr>
<tr>
<td>7) Department of Navy/NARDAC Software License</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>8) Department of Defense/DARIC Shipping Costs for Equipment</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9) Defense Information Systems Agency Software Maintenance</td>
<td>104</td>
<td>134</td>
<td>144</td>
</tr>
<tr>
<td>10) Department of Air Force Systems Development</td>
<td>623</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>12) Department of Air Force Johnston F.toll Communications</td>
<td>1330</td>
<td>2000</td>
<td>2100</td>
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</table>

#### B. Offsetting Collections

<table>
<thead>
<tr>
<th>Service Description</th>
<th>FY 1992</th>
<th>FY 1993</th>
<th>FY 1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Department of Navy ADP Time</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>2) Foreign Military Sales ADP Time</td>
<td>51</td>
<td>52</td>
<td>52</td>
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<tr>
<td>3) Strategic Defense Initiatives Office ADP Time</td>
<td>2</td>
<td>2</td>
<td>2</td>
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</table>

**Subtotal** 14443 12536 11378

Exhibit 43A-2 (page 3 of 4)
<table>
<thead>
<tr>
<th></th>
<th>FY 1992</th>
<th>FY 1993</th>
<th>FY 1994</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Intra-agency services</strong></td>
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<td>A. Payments</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Offsetting collections</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Other services</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Payments</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Offsetting collections</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Subtotal</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total obligations</td>
<td>25171</td>
<td>25680</td>
<td>23081</td>
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<tr>
<td>Workyears</td>
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<td>Appropriation/Fund</td>
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<td></td>
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<tr>
<td>RDT&amp;E</td>
<td>12592</td>
<td>12726</td>
<td>11306</td>
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<tr>
<td>O&amp;M</td>
<td>10170</td>
<td>9790</td>
<td>9580</td>
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<td>P,DA</td>
<td>738</td>
<td>1813</td>
<td>866</td>
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<tr>
<td>MP</td>
<td>1671</td>
<td>1351</td>
<td>1329</td>
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<tr>
<td>MILCON</td>
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<td></td>
</tr>
</tbody>
</table>

Exhibit 43A-2 (page 4 of 4)
Major Automated Information Systems:

**Name of Major Automated Information Systems:** GFE Scientific Computing Modernization.

<table>
<thead>
<tr>
<th>Item</th>
<th>Capital Investments ($000) - A purchase of Hardware Procurement Acquisition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Obligations:</td>
<td>1993</td>
</tr>
<tr>
<td></td>
<td>15,500</td>
</tr>
</tbody>
</table>

**Description:** DNA will purchase and install a replacement for the CRAY X-MP processor to provide increased capability for Agency research and development projects. This acquisition will increase payoff in expenditures of research dollars.
I. AIS Title and Number: GFE/Scientific Computing Modernization

II. Responsible Organization: Information Resources Management Office (IRMO)
Scientific Computing Systems Division (IRM4)
Ms. Jacqueline L. Bell, Senior Computer Specialist
Date Manager Assigned to System: March 1992

III. Scope:

A. Mission Supported: The Defense Nuclear Agency's primary mission is to support the Office of the Secretary of Defense (OSD), the Joint Chiefs of Staff (JCS), the Military Departments, the Unified and Specified Commands, the Defense Agencies, and other Federal organizations, in analyzing the effects of nuclear weapons on conventional weapons systems and armed forces, and other aspects of the DoD nuclear program.

GFE Scientific Computing is classified as a separate category of AIS because it provides centralized supercomputing support for all Defense Nuclear Agency (DNA) Research, Development, Test and Evaluation (RDT&E) projects. To ensure its ability to accomplish key elements of its mission, DNA conducts a rigorous RDT&E program that encompasses every aspect of nuclear weapons effects. This program relies heavily on scientific computing to support the activities conducted by the three principal technical directorates: Shock Physics, Radiation, and Test.

These three directorates share a somewhat common approach to calculations -- as an aid to the basic understanding of the complex and interrelated physical phenomena that occur as the result of a nuclear explosion. In order to understand the uncertainties in the phenomenological models, as well as the parameters associated with these models, numerous sensitivity or parameter studies must be performed. These calculations are very often used to aid in the design of the experiments, models, and simulations, by predicting the type and levels of required measurements. After validation, the calculations are used to provide system-specific predictions of nuclear weapons effects to DoD.
B. Functions Performed: Provide computational support for DoD researchers and their contractors performing RDT&E for DNA projects.

C. Current Resources Used: CRAY XMP/416 and other supercomputer resources provided by Los Alamos National Laboratory (LANL) on a reimbursable basis.

D. Benefits: DNA's participation in the LANL environment has proved to be extremely beneficial from both a technical and economic perspective. Verification of the continued cost effectiveness of the LANL/DNA arrangement was performed by comparing LANL to other commercial and government facilities that could provide the computer support required by DNA. Through participation in the LANL resource pooling, DNA saved approximately $2 million in FY 1991 alone. The replacement supercomputer is a significant factor in maintaining DNA's scientific research capability, and containing the long term cost of providing computing support. The recent DoD High Performance Computing Plan, in which DNA was an integral participant, clearly demonstrated that the overall DoD supercomputing infrastructure is saturated and obsolete. It is critical DNA begin the DoD supercomputer technology renewal process, not only to meet DNA needs, but as a part of the overall DoD modernization in which DNA is a continuing principle participant. With the uncertainty surrounding future underground testing, DNA will increasingly rely on computer modeling and simulation. The supercomputer is our key to the future. The acquisition will also be cost-effective, with an economic pay-back within three years verses the cost of maintaining an obsolete system, while buying high-end computing time on the open market. The current DNA operating system is increasingly incompatible with others with which we interact, i.e. less than 10% of max capability of sister systems. If a replacement is not acquired in order to meet our critical computing requirements, DNA will be required to maintain an aging system while buying computing time from other sources at an additional total cost of nearly $7M annually. This projection is based upon a minimum of 15,000 CPU hours of large memory vector/scalar time with charges for storage and connection.

IV. Milestones:

A. Milestone Description:

<table>
<thead>
<tr>
<th>Milestone Description</th>
<th>Approved Schedule</th>
<th>Current Estimate</th>
<th>Approval Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>I. Procurement Approved (Internal Agency Approval)</td>
<td>FY1990</td>
<td>FY1990</td>
<td>Director, DNA</td>
</tr>
</tbody>
</table>

Exhibit 43C page 2 of 3
II. Competitive Procurement for Supercomputer Resources
   FY1993   FY1993   Director, DNA

III. Procure Supercomputer Resources
     FY1993   FY1993   Director, DNA

IV. Install Supercomputer at LANL
     FY1993   FY1993   Director, DNA

B. Identify the year in which the system was approved: 1990

C. Identify the Branch responsible for oversight: Information Resources Management Office

V. Major Items of Interest:

A. Status: On schedule for procurement of supercomputer resources in FY1993. No outstanding problem areas.

B. Contracts: None

   (1) Life-Cycle Cost:
       Approved Estimate - $N/A
       Current Estimate  - $15.5 million

   (2) Program Cost:
       Approved Estimate - $N/A
       Current Estimate  - $15.5 million

   (3) Sunk Cost        - $0

   (4) Cost to Complete - $15.5 million

   (5) Resources Changes - N/A

VI. HASC 102.60 Special Report; Rationale for continued DEV/MOD CIM (nonmigration systems only).

   The current DNA GFE/Scientific Computing resource became saturated in FY1992 and obsolete in FY1993. DNA is proceeding to upgrade and modernize the GFE/Scientific Computing resource to continue providing for DNA's projected scientific computing growth.
1. Identification -- All participants:
   a. **Contract Name**: Standard Software Requirements Contract 1
   b. **Description of equipment**: S/W and H/W

2. Contract Data (for contracts already awarded) -- All participants:
   a. **Contract Number**: F01620-91-D-0001
   b. Estimated Contract Obligations by appropriation (show estimated contract requirements).  
      
      | FY 1992 | FY 1993 | FY 1994 |
      |---------|---------|---------|
      | Procurement | 15 | 20 | 25 |
      | O&M | | |
      | Other (specify) | | |
   c. **Units acquired/to be acquired by FY**: 300 Units of office automation S/W and H/W

3. Contract Data (for contracts already awarded) - Lead Component only:
   a. Contract awarded to:  
   b. Brand name(s) and model number(s) of primary hardware and software:  
   c. Contract Award Date:  
   d. Contract type: (requirements or IDIQ)  
   e. Basic contract duration in years:  
   f. Contract renewal options:  
   g. Scope of the contract (including purpose):  
      
      | FY 1992 | FY 1993 | FY 1994 |
      |---------|---------|---------|
      | h. Estimated value of contract: | | |
      | i. Minimum obligation by FY: | | |

4. Contract Data (for contracts not yet awarded) - All participants:
   a. **Contract Number**:  
   b. Estimated Contract Obligations by appropriation  
      
      | FY 1992 | FY 1993 | FY 1994 |
      |---------|---------|---------|
      | Procurement | | |
      | O&M | | |
      | Other (specify) | | |
   c. Units acquired/to be acquired by FY:  

5. Solicitation data (for contracts not yet awarded) - Lead Component only
   a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?  
   b. If applicable, date and GSA case number of Delegation Procurement?  
   c. Estimated date of contract award:  
   d. Scope of the proposed contract:  
   e. Estimated quantities of hardware, software, or services to be acquired:  
   f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy:  
   g. Justification for this contract. (A copy of the Lead Component's approval documentation may be used as justification.)

EXHIBIT 43D (page 1 of 6)
DEPARTMENT OF DEFENSE
DEFENSE NUCLEAR AGENCY
FY 1994 BUDGET ESTIMATES
ADF Requirements/Indefinite Delivery-Quantity Contract

1. Identification -- All participants:
   a. Contract Name: Companion Contract
   b. Description of equipment: S/W and H/W

2. Contract Data (for contracts already awarded) -- All participants:
   a. Contract Number: N66032-91D-0002
   b. Estimated Contract Obligations by appropriation (show estimated contract requirements):

<table>
<thead>
<tr>
<th></th>
<th>FY1992</th>
<th>FY1993</th>
<th>FY1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procurement</td>
<td>20</td>
<td>22</td>
<td>24</td>
</tr>
<tr>
<td>O&amp;M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
   c. Units acquired/to be acquired by FY: 300 Units of office automation S/W and H/W

3. Contract Data (for contracts already awarded) - Lead Component only:
   a. Contract awarded to:
   b. Brand name(s) and model number(s) of primary hardware and software:
   c. Contract Award Date:
   d. Contract type: (requirements or ID/IQ)
   e. Basic contract duration in years:
   f. Contract renewal options:
   g. Scope of the contract (including purpose):

<table>
<thead>
<tr>
<th></th>
<th>FY1992</th>
<th>FY1993</th>
<th>FY1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>h. Estimated value of contract:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i. Minimum obligation by FY:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. Contract Data (for contracts not yet awarded) - All participants:
   a. Contract Number:
   b. Estimated Contract Obligations by appropriation

<table>
<thead>
<tr>
<th></th>
<th>FY1992</th>
<th>FY1993</th>
<th>FY1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procurement</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>O&amp;M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (specify)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
   c. Units acquired/to be acquired by FY:

5. Solicitation data (for contracts not yet awarded) - Lead Component only
   a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?
   b. If applicable, date and GSA case number of Delegation Procurement?
   c. Estimated date of contract award:
   d. Scope of the proposed contract:
   e. Estimated quantities of hardware, software, or services to be acquired:
   f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy:
   g. Justification for this contract. (A copy of the Lead Component's approval documentation may be used as justification.

EXHIBIT 43D (page 2 of 6)
DEPARTMENT OF DEFENSE
DEFENSE NUCLEAR AGENCY
FY 1994 BUDGET ESTIMATES
ADP Requirements/Indefinite Delivery-Quantity Contract

1. Identification -- All participants:
   a. Contract Name: National Photographic Interpretation Contract
   b. Description of equipment: Sun Equipment and Workstations

2. Contract Data (for contracts already awarded) -- All participants:
   a. Contract Number: 93-K 362300-000
   b. Estimated Contract Obligations by appropriation (show estimated contract requirements):
      \[
      \begin{array}{ccc}
      \text{Procurement} & 000 & 000 & 800 \\
      \text{O&M} & & & \\
      \text{Other (specify)} & & & \\
      \end{array}
      \]
   c. Units acquired/to be acquired by FY:

3. Contract Data (for contracts already awarded) - Lead Component only:
   a. Contract awarded to:
   b. Brand name(s) and model number(s) of primary hardware and software:
   c. Contract Award Date:
   d. Contract type: (requirements or (DIQ)
   e. Basic contract duration in years:
   f. Contract renewal options:
   g. Scope of the contract (including purpose):
      \[
      \begin{array}{ccc}
      \text{Estimated value of contract:} & & & \\
      \text{Minimum obligation by FY:} & & & \\
      \end{array}
      \]

4. Contract Data (for contracts not yet awarded) - All participants:
   a. Contract Number:
   b. Estimated Contract Obligations by appropriation
      \[
      \begin{array}{ccc}
      \text{Procurement} & & & \\
      \text{O&M} & & & \\
      \text{Other (specify)} & & & \\
      \end{array}
      \]
   c. Units acquired/to be acquired by FY:

5. Solicitation data (for contracts not yet awarded) - Lead Component only
   a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?
   b. If applicable, date and GSA case number of Delegation Procurement?
   c. Estimated date of contract award:
   d. Scope of the proposed contract:
   e. Estimated quantities of hardware, software, or services to be acquired:
   f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy:
   g. Justification for this contract. (A copy of the Lead Component's approval documentation may be used as justification.

EXHIBIT 43D (page 3 of 6)
1. Identification -- All participants:
   a. Contract Name: Office Automation Secure Information System

2. Contract Data (for contracts already awarded) -- All participants:
   a. Contract Number: F34608-89-D-0006
   b. Estimated Contract Obligations by appropriation (show estimated contract requirements):
      \[
      \begin{array}{ccc}
      \text{FY 1992} & \text{FY 1993} & \text{FY 1994} \\
      \hline
      \text{Procurement} & 1000 & 1000 \\
      \text{O&M} & 400 & 425 \\
      \text{Other (specify)} & & \\
      \end{array}
      \]
   c. Units acquired/to be acquired by FY:

3. Contract Data (for contracts already awarded) - Lead Component only:
   a. Contract awarded to:
   b. Brand name(s) and model number(s) of primary hardware and software:
   c. Contract Award Date:
   d. Contract type: (requirements or IDIQ)
   e. Basic contract duration in years:
   f. Contract renewal options:
   g. Scope of the contract (including purpose):
      \[
      \begin{array}{ccc}
      \text{FY 1992} & \text{FY 1993} & \text{FY 1994} \\
      \hline
      \text{Minimum obligation by FY:} & & \\
      \end{array}
      \]

4. Contract Data (for contracts not yet awarded) - All participants:
   a. Contract Number:
   b. Estimated Contract Obligations by appropriation
      \[
      \begin{array}{ccc}
      \text{FY 1992} & \text{FY 1993} & \text{FY 1994} \\
      \hline
      \text{Procurement} & & \\
      \text{O&M} & & \\
      \text{Other (specify)} & & \\
      \end{array}
      \]
   c. Units acquired/to be acquired by FY:

5. Solicitation data (for contracts not yet awarded) - Lead Component only
   a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?
   b. If applicable, date and GSA case number of Delegation Procurement?
   c. Estimated date of contract award:
   d. Scope of the proposed contract:
   e. Estimated quantities of hardware, software, or services to be acquired:
   f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy:
   g. Justification for this contract. (A copy of the Lead Component's approval documentation may be used as justification.)
1. Identification -- All participants:
   a. **Contract Name**: Tactical Air Force Workstations
   b. **Description of equipment**: Sun Equipment and Workstations

2. Contract Data (for contracts already awarded) -- All participants:
   a. **Contract Number**: F19630-91-D-0005
   b. Estimated Contract Obligations by appropriation (show estimated contract requirements):

<table>
<thead>
<tr>
<th>FY1992</th>
<th>FY1993</th>
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<tr>
<td></td>
<td>1000</td>
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<tr>
<td></td>
<td>410</td>
<td>425</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
   c. Units acquired/to be acquired by FY:

3. Contract Data (for contracts already awarded) - Lead Component only:
   a. Contract awarded to:
   b. Brand name(s) and model number(s) of primary hardware and software:
   c. Contract Award Date:
   d. Contract type: (requirements or IDIQ)
   e. Basic contract duration in years:
   f. Contract renewal options:
   g. Scope of the contract (including purpose):

<table>
<thead>
<tr>
<th>FY1992</th>
<th>FY1993</th>
<th>FY1994</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
   h. Estimated value of contract:
   i. Minimum obligation by FY:

4. Contract Data (for contracts not yet awarded) - All participants:
   a. **Contract Number**:
   b. Estimated Contract Obligations by appropriation

<table>
<thead>
<tr>
<th>FY1992</th>
<th>FY1993</th>
<th>FY1994</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
   c. Units acquired/to be acquired by FY:

5. Solicitation data (for contracts not yet awarded) - Lead Component only
   a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?
   b. If applicable, date and GSA case number of Delegation Procurement?
   c. Estimated date of contract award:
   d. Scope of the proposed contract:
   e. Estimated quantities of hardware, software, or services to be acquired:
   f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy:
   g. Justification for this contract. (A copy of the Lead Component's approval documentation may be used as justification.)
DEPARTMENT OF DEFENSE  
DEFENSE NUCLEAR AGENCY  
FY 1994 BUDGET ESTIMATES  
ADP Requirements/Indefinite Delivery-Quantity Contract

1. Identification -- All participants:  
a. Contract Name: AFCAC 300  
b. Description of equipment: HP Super-Minicomputers

2. Contract Data (for contracts already awarded) -- All participants:  
a. Contract Number: F19630-93-D-0001  
b. Estimated Contract Obligations by appropriation (show estimated contract requirements).

<table>
<thead>
<tr>
<th></th>
<th>FY 1992</th>
<th>FY 1993</th>
<th>FY 1994</th>
</tr>
</thead>
<tbody>
<tr>
<td>Procurement</td>
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<td></td>
<td>800</td>
</tr>
<tr>
<td>O&amp;M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (specify)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

c. Units acquired/to be acquired by FY: 300 Units of office automation S/W and H/W

3. Contract Data (for contracts already awarded) - Lead Component only:  
a. Contract awarded to:  
b. Brand name(s) and model number(s) of primary hardware and software:  
c. Contract Award Date:  
d. Contract type: (requirements or IDIQ)  
e. Basic contract duration in years:  
f. Contract renewal options:  
g. Scope of the contract (including purpose):  

   FY 1992 | FY 1993 | FY 1994 |
   ------- | ------- | ------- |
   h. Estimated value of contract:  
   i. Minimum obligation by FY:

4. Contract Data (for contracts not yet awarded) - All participants:  
a. Contract Number:  
b. Estimated Contract Obligations by appropriation  

   FY 1992 | FY 1993 | FY 1994 |
   ------- | ------- | ------- |
   • Procurement  
   • O&M  
   • Other (specify)

c. Units acquired/to be acquired by FY:

5. Solicitation data (for contracts not yet awarded) - Lead Component only  
a. Is acquisition exempt from the Brooks Bill under the Warner Amendment?  
b. If applicable, date and GSA case number of Delegation Procurement?  
c. Estimated date of contract award:  
d. Scope of the proposed contract:  
e. Estimated quantities of hardware, software, or services to be acquired:  
f. If the acquisition strategy for this contract involves or involved less than full and open competition, list the acquisition strategy:  
g. Justification for this contract. (A copy of the Lead Component's approval documentation may be used as justification.

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