

**GENERAL SERVICES ADMINISTRATION
FEDERAL COMPUTER ACQUISITION CENTER (FEDCAC)
INTERAGENCY AGREEMENT/AMENDMENT**

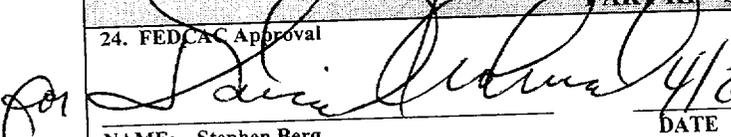
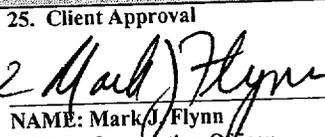
PART I - GENERAL INFORMATION

1. IA Number: 22185NRF	2. IA Title: Disaster Recovery Services
3. Amendment Number: N/A	4. Reason for Action: Original IA
5. Name and Address of FEDCAC Project Manager: David Krohmal GSA/FTS/FEDCAC/TFF 6354 Walker Lane, Suite 200 Alexandria, VA 22310	6. Name and Address of Client Project Manager: John C. Voglewede U.S. Nuclear Regulatory Commission Office of the Chief Information Officer - T-5-E30 Washington, D.C. 20555
7. FEDCAC PM Phone Number: (703) 619-6197 FAX Number: (703) 619-9778 Internet Address: david.krohmal@gsa.gov	8. Client Phone Number: (301) 415-7415 FAX Number: (301) 415-7415 Internet Address: jcv@nrc.gov
9. Brief description of project: Provision of disaster recovery services to test and recover the Nuclear Regulatory Commission's (NRC) automated operations in the event of an unplanned disruption to normal operations. The client is responsible for defining its requirements, testing its disaster recovery plan and recovering its critical operations with the assistance of a FEDCAC disaster recovery services provider (Comdisco, IBM or SunGard). FEDCAC's contractors provide alternate facilities, systems and networks, and technical (hardware, software and network) support services, prior to, during and after test and disaster.	
10. Scope: Work performed under this IA will be limited to disaster recovery services, e.g., alternate facility, system and network; data backup and recovery; business continuity consulting services; and automated disaster recovery planning tool.	
11. Additional Instructions/Information: Provide information requested in fields 6, 8, 18, 20, 21, and 23 of the IA; obligate \$31,050, sign and return the IA and attached PEPs 2 and 3.	

PART II - FUNDING INFORMATION

12. Previous IA Total: N/A	13. Amendment Amount: N/A	14. Total Funding: \$31,050
15. PEP No. 1 Total: \$130 (1/2 % contract access fee)	16. PEP No. 2 Total: \$5,000	17. PEP No. 3 Total: \$25,920
18. Obligor Document Number(s) and Funding Citation(s): 31000001 210-15-522-338 J1154 253A CIO270141A		
19. Obligation Amount(s): \$31,050	20. Billing Address: U.S. Nuclear Regulatory Commission Office of the Chief Financial Officer Division of Accounting and Finance - T-9-H4 Washington, D.C. 20555	
21. Agency Location Code (ALC) if Civilian Agency: 3100		
22. FEDCAC Financial Point-of-Contact: Name: Steven Robinson Phone Number: (703) 306-7509 FAX Number: (703) 306-7714	23. Client Financial Point-of-Contact: Name: Office of the Chief Financial Officer Phone Number: (301) 415-7520 FAX Number:	

PART III - SIGNATURE BLOCK

24. FEDCAC Approval  NAME: Stephen Berg TITLE: Director, FEDCAC	DATE: 4/26/02	25. Client Approval  NAME: Mark J. Flynn TITLE: Contracting Officer	DATE: 4/26/02
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**General Services Administration (GSA)
Federal Computer Acquisition Center (FEDCAC)
Interagency Agreement**

Terms and Conditions

This document constitutes the Interagency Agreement (IA) portion of an overall agreement between FEDCAC and the client, which governs their relationship in work to be performed by FEDCAC for the client. The IA identifies the client's bona fide need.

1.1 Amendment of Agreement

This IA can only be modified by mutual agreement between FEDCAC and the client in the form of a formal Interagency Agreement Amendment (IAA). When Amendments are issued, all outstanding Project Element Plans (PEPs) issued under the original IA will continue in force unless explicitly canceled or modified by the amended IA or by Project Element Change Notices (PECNs).

1.2 Project Element Plans

The specifics of the work to be performed under this Agreement to meet the client's identified requirement(s) are contained in one or more Project Element Plans (PEPs) issued under this IA. Each PEP will include detailed specification of key deliverables (e.g., reports, supplies and/or services) to be provided by FEDCAC; schedule for deliverables and for other critical milestones of significance to the client; total estimated cost for each PEP; specification of materials, data, and other forms of support from the client required by FEDCAC; and security requirements.

All PEPs that are or become part of this Agreement are in support of the requirements in Section 1 and are subject to the limitations in scope identified in Section 1. PEP No. 1 is incorporated as part of the IA. PEP No. 1 includes the 1/2% contract access fee. PEP No. 2 identifies FEDCAC's technical, contracting and management support services to implement and maintain the required disaster recovery services. PEP No. 3 specifies the disaster recovery services that shall be provided by FEDCAC's contractor.

1.3 Project Element Change Notices

A Project Element Change Notice (PECN) will be required to change the Statement of Work and to revise cost estimates. In no case will a PECN that is outside the scope of the requirements established in this IA be issued.

1.4 Contractor Support

FEDCAC has contracts with contractors to support FEDCAC's clients. FEDCAC will assume full responsibility for (FEDCAC may require client assistance and participation):

- Awarding and administering all contracts/delivery orders/task orders issued to contractors.
- Directing and monitoring the contractor's work, providing technical assistance and advice to the contractor, attending status meetings, and conducting detailed reviews of all deliverables.

1.5 Procurement Sensitivity

The client understands that the contents of this IA, related IAAs, PEPs, and PECNs may be **procurement sensitive** and certifies that (1) the contents of this IA, related IAAs, PEPs, and PECNs will not be disclosed, published, divulged, released, or made known, in any manner or to any extent, to any individual other than an appropriate or authorized Government employee, and (2) such contents will be handled under the client's directives and policies governing the disclosure of **procurement sensitive** information.

1.6 Confidentiality and Freedom of Information Act Requests

FEDCAC's policy is to maintain strict confidentiality with its clients. The fact that an agreement has been executed between FEDCAC and a client and the general requirements and objectives addressed in that agreement are considered public information. FEDCAC's position regarding the Freedom of Information Act (FOIA) requests made to FEDCAC is:

- FEDCAC will not release, to outside parties, reports or other documents produced as deliverables under our Agreement with the client. Instead, we will refer such requests to the agency with which we have the Agreement. We believe that referring the request to client agencies significantly improves the ability of the Government to determine releasability.
- FEDCAC will release copies of agreements between FEDCAC and the client agency, but will delete dollar amounts and any specific task descriptions that could provide a private firm an unfair competitive advantage.

1.7 Security

FEDCAC personnel and contractors assigned to this project may require access to classified information as indicated in each PEP. The client must identify classified or other special security requirements as early as possible to enable coordination with appropriate security offices.

1.8 Funding

1.8.1 Information Technology Fund

FEDCAC derives its financing from the Information Technology Fund, a revolving fund established under the authority of 40 U.S.C. 757. 40 U.S.C. 757 rather than the Economy Act governs payments for FEDCAC services under this Agreement. The existence of a defined requirement (bona fide need) at the time this IA is executed forms the basis for the incurring and recording of a financial obligation on the part of the client. This obligation remains in force across fiscal year boundaries until the specified services are delivered, the Agreement is rescinded by the signatories, or the funds are canceled as defined in 31 U.S.C. 1552(a), i.e., at the end of the fifth fiscal year after the date of financial obligation. The funds so obligated by the client do not have to be deobligated at the end of a fiscal year as they would have been if subject to the Economy Act. The client should ensure that any financial obligation incurred under this Agreement is properly recorded so that the funds are available to pay for FEDCAC services for the duration of this Agreement. The client shall not deobligate unilaterally the obligated funds.

1.8.2 Agreement Charges

All FEDCAC work and travel will be performed on a cost reimbursable basis. Accumulated personnel time will be billed monthly at the hourly rates in effect at the time the hours are worked. All project-related contractor expenses will be billed at actual cost, plus a 1/2% contract access fee. FEDCAC may assess a monthly maintenance fee to cover the cost of financial administration of this project. FEDCAC may incur expenses in support of this Agreement before its execution. The client's signature of this IA constitutes authorization of such expenses.

1.8.3 Contract Protests and Resolicitation Costs

The client agrees to reimburse the GSA Information Technology Fund for reasonable costs incurred by FEDCAC in support of any and all protests and resolicitation costs resulting from acquisitions conducted on the client's behalf.

1.8.4 Termination Costs

The client agrees to reimburse the GSA Information Technology Fund for any and all termination costs determined by FEDCAC to be reasonable, allowable, and applicable in accordance with the Federal Acquisition Regulations (FAR) and paid to the terminated contractor(s); and, any and all administrative costs incurred by FEDCAC in implementing the termination(s) in the event it becomes necessary to terminate, by reason of Default or Convenience to the Government, any contract awarded or delivery order issued by FEDCAC as a result of this Agreement.

1.8.5 Delay/Cancellation Charges

Should it be necessary for the client to cancel this Agreement, either in its entirety or in part, or should the client request that work already scheduled by FEDCAC under an existing PEP be deferred, FEDCAC is authorized to bill the client for:

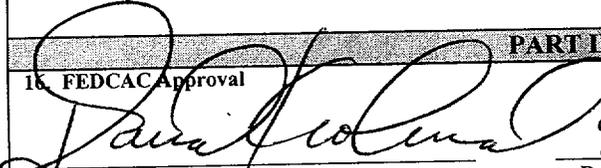
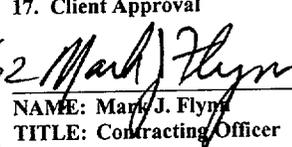
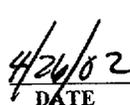
- Any direct costs already incurred by FEDCAC in support of this Agreement which cannot be similarly canceled or deferred (e.g., contracts for vendor services).
- The time planned for analyst support that cannot be rescheduled for other projects, up to a maximum of 40 hours.

Such notification must be received in writing before FEDCAC management will take action to discontinue or defer support to an active client project.

1.8.6 Billing Procedure

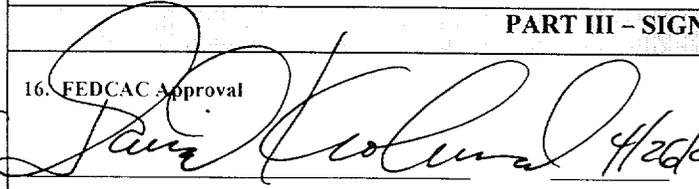
FEDCAC's standard billing procedure is to submit a monthly billing request to the GSA Office of Finance. The Accounts Receivable Branch of the GSA Office of Finance will bill the client. These billings must be paid promptly as rendered, without pre-audit or receipt verification (FPMR 101-2.105). Any discrepancies noted after payment will be adjusted on subsequent billings.

**GENERAL SERVICES ADMINISTRATION
FEDERAL COMPUTER ACQUISITION CENTER (FEDCAC)
PROJECT ELEMENT PLAN (PEP)/PROJECT ELEMENT CHANGE NOTICE (PECN)**

PART I - GENERAL INFORMATION		
1. IA Number: 22185NRF	2. IA Title: Disaster Recovery Services	
3. PEP Number: 02	4. PEP Title: Disaster Recovery Services	
5. PECN Number: N/A	6. Reason for Action: Establish Disaster Recovery Services	
7. Name and Address of FEDCAC Project Manager: David Krohmal GSA/FEDCAC/TFF 6354 Walker Lane, Suite 200 Alexandria, VA 22310	8. Name and Address of Client Project Manager: John C. Voglewede U.S. Nuclear Regulatory Commission Office of the Chief Information Officer - T-5-E30	
9. FEDCAC PM Phone Number: (703) 619-6197 FAX Number: (703) 619-9778 Internet Address: david.krohmal@gsa.gov	10. Client Phone Number: (301) 415-7415 FAX Number: (301) 415-7415 Internet Address: jvc@nrc.gov	
11. Brief description of project: Administration of disaster recovery services, including, but not limited to: award Task Order, modify Task Order as the client's requirements change, verify provision of services and certify payment of invoices, answer client's questions, resolve problems and conflicts (e.g., difficulties scheduling test time), assist the client to recover critical operations at time of disaster declaration by paying disaster declaration and hot/cold site occupancy fees for up to the first five days of a disaster, by which time a customer agency shall reimburse FEDCAC fully and provide FEDCAC additional funds, if necessary, for additional services, e.g., continued hot site occupancy.		
PART II - ESTIMATED COST		
12. Previous PEP 02 Total: N/A	13. PECN 01 Amount: N/A	14. PEP No. 2 Total: \$5,000
15. Description: PEP 02 provides funds for administration of disaster recovery services.		
PART III - SIGNATURE BLOCK		
16. FEDCAC Approval  NAME: Stephen Berg TITLE: Director, FEDCAC	4/26/02 DATE	17. Client Approval  NAME: Mark J. Flynn TITLE: Contracting Officer
<div style="float: right; text-align: right;">  4/26/02 DATE </div> <p>A Project Element Plan (PEP) and Project Element Change Notice (PECN) become effective when signed by FEDCAC and the client. The client will ensure that an official authorized to expend client funds signs the PEP/PECN. The client recertifies that there continues to be a bona fide requirement as originally defined in the IA and that the funds authorized in this PEP/PECN were originally obligated and remain obligated for the specific goods, work, or services to be provided under this PEP/PECN.</p>		

for

**GENERAL SERVICES ADMINISTRATION
FEDERAL COMPUTER ACQUISITION CENTER (FEDCAC)
PROJECT ELEMENT PLAN (PEP)/PROJECT ELEMENT CHANGE NOTICE (PECN)**

PART I - GENERAL INFORMATION		
1. IA Number: 22185NRF	2. IA Title: Disaster Recovery Services	
3. PEP Number: 03	4. PEP Title: Disaster Recovery Services	
5. PECN Number: N/A	6. Reason for Action: Establish Disaster Recovery Services	
7. Name and Address of FEDCAC Project Manager: David Krohmal GSA/FEDCAC/TFF 6354 Walker Lane, Suite 200 Alexandria, VA 22310	8. Name and Address of Client Project Manager: John C. Voglewede U.S. Nuclear Regulatory Commission Office of the Chief Information Officer - T-5-E30 Washington, D.C. 20555	
9. FEDCAC PM Phone Number: (703) 619-6197 FAX Number: (703) 619-9778 Internet Address: david.krohmal@gsa.gov	10. Client Phone Number: (301) 415-7415 FAX Number: (301) 415-7415 Internet Address:	
11. Brief description of project: Provision of disaster recovery services to test and recover the Nuclear Regulatory Commission's (NRC) automated operations in the event of an unplanned disruption to normal operations. The client is responsible for defining its requirements, testing its disaster recovery plan and recovering its critical operations with the assistance of a FEDCAC disaster recovery services provider (Comdisco, IBM or SunGard). FEDCAC's contractors provide alternate facilities, systems and networks, and technical (hardware, software and network) support services, prior to, during and after test and disaster.		
PART II - ESTIMATED COST		
12. Previous PEP 03 Total: SN/A	13. PECN Amount: SN/A	14. PEP No. 3 Total: \$25,920
15. Description: PEP 03 provides \$25,920 to establish NRC' disaster recovery services subscription for eight months (5/1/02 through 12/31/02). The attached pages describe the disaster recovery services subscription. Please identify authorized disaster declarers		
PART III - SIGNATURE BLOCK		
16. FEDCAC Approval  NAME: Stephen Berg TITLE: Director, FEDCAC DATE: 4/26/02	17. Client Approval  NAME: Mark J. Flynn, Contracting Officer DATE: 4/26/02	
A Project Element Plan (PEP) and Project Element Change Notice (PECN) become effective when signed by FEDCAC and the client. The client will ensure that an official authorized to expend client funds signs the PEP/PECN. The client recertifies that there continues to be a bona fide requirement as originally defined in the IA and that the funds authorized in this PEP/PECN were originally obligated and remain obligated for the specific goods, work, or services to be provided under this PEP/PECN.		

Client Personnel Authorized to Declare a Disaster

Refer to Paragraph A.10 of Statement of Work (Page 6) for the below requested information.

PRIMARY

Name: _____
 Title: _____
 Business Phone: _____
 Home Phone: _____
 Pager Number, Car Phone: _____

TERTIARY

Name: _____
 Title: _____
 Business Phone: _____
 Home Phone: _____
 Pager Number, Car Phone: _____

SECONDARY

Name: _____
 Title: _____
 Business Phone: _____
 Home Phone: _____
 Pager Number, Car Phone: _____

1. DATE OF ORDER: **5/1/02** 2. ORDER NUMBER: **T0002AL0160** 3. CONTRACT NUMBER: **GS00T098ALD0010** 4. ACT NUMBER: **A13616795**

FOR GOVERNMENT USE ONLY	5. ACCOUNTING CLASSIFICATION				6. FINANCE DIVISION		
	FUND	ORG CODE	B/A CODE	O/C CODE	AC	SS	VENDOR NAME
	299.X	AOOVR630	F8	25			
	FUNC CODE	C/E CODE	PROJ./PROS. NO.	CC-A	MDL	FI	GL DEBT
C01	516	22185NRF-03					
W/ITEM	CC-B	PRT./CRFT		AI	LC	DISCOUNT	

7. TO: CONTRACTOR (Name, address and zip code)
SUNGARD RECOVERY SERVICES
505 HUNTMAR PARK DRIVE
SUITE 100
HERNDON, VA 20170

8. TYPE OF ORDER REFERENCE YOUR
 A. PURCHASE
 B. DELIVERY
 Please furnish the following on the terms specified on both sides of the order and the attached sheets, if any, including
 C. MODIFICATION NO. AUTHORITY FOR ISSUING
Mutual Agreement

9A. CLASSIFICATION
 A. SMALL BUSINESS B. OTHER THAN SMALL BUSINESS
 C. SMALL DISADVANTAGED D. SMALL WOMEN-OWNED

9B. CHECK, IF APPROPRIATE
 WITHHOLD 20%
 Except as provided herein, all terms and conditions of the original order, as heretofore modified, remain unchanged.

11. ISSUING OFFICE (Address, zip code and telephone no.)
GSA/ITI/TFF
6354 WALKER LANE, SUITE 200
ALEXANDRIA, VA 22310

12. REMITTANCE ADDRESS (MANDATORY)
SUNGARD RECOVERY SERVICES
P.O. BOX 91233
CHICAGO, IL 60693

10B. TYPE OF BUSINESS ORGANIZATION
 A. CORPORATION B. PARTNER-SHIP C. SOLE
 13. SHIP TO (Consignee address, zip code and telephone no.)
GSA/FEDCAC/TFF ATTN: DAVID KROHMAL
6354 WALKER LANE, SUITE 200
ALEXANDRIA, VA 22310

14. PLACE OF INSPECTION AND ACCEPTANCE
SAME AS BLOCK 13

15. REQUISITION OFFICE (Name, symbol and telephone no.)
TFF, DAVID KROHMAL 703 619-6197

16. F.O.B. POINT DESTINATION

17. GOVERNMENT B/L NO.
N/A

18. DELIVERY F.O.B. POINT ON OR BEFORE

19. PAYMENT/DISCOUNT TERMS
NONE

20. SCHEDULE					
ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0001-0007	TASK ORDER AWARD FOR NUCLEAR REGULATORY COMMISSION TO PROVIDE HOT SITE DISASTER RECOVERY SERVICES. THE TERMS AND CONDITIONS OF MASTER CONTRACT GS00T098ALD0010 ARE INCORPORATED BY REFERENCE.	8	MOS.	\$3,240.00	25,920.00

21. RECEIVING OFFICE (Name, symbol and telephone no.)
SAME AS BLOCK 15

TOTAL FROM 300-A(s) **▶**

22. SHIPPING POINT DESTINATION

23. GROSS SHIP WT.
N/A

GRAND TOTAL **▶** **25,920.00**

24. MAIL INVOICE TO: (Include zip code)
 General Services Administration (FUND)
FINANCE DIVISION (299X)
P.O. BOX 17181
FORT WORTH, TX 76102
(COPY TO FEDCAC/ATTN: DAVID KROHMAL)
GENERAL SERVICES ADMINISTRATION

25A. FOR INQUIRIES REGARDING PAYMENT CONTACT:
GENE MERRELL

25B. TELEPHONE NO.
817 978-2408

26A. NAME OF CONTRACTING/ORDERING OFFICER (Type)
JESSICA THRASHER WILSON

26B. TELEPHONE NO.
703 306-7546

28C. SIGNATURE


SECTION B – SERVICES AND PRICES/COSTS

B.1 MANDATORY MONTHLY RESOURCES:
(EFFECTIVE 05/01/02 THROUGH 09/28/03)

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
0001	(2) IBS SERVERS Monthly Subscription Fee (Contract CLIN 053A)	8	Month	\$1,000	\$8,000
				Delivery Order Specific Discount	
0002	Emergency Response Monthly Subscription Fee (25 Stations @ \$450) (Contract CLIN 014A)	8	Month	\$450	\$3,600
0003	Emergency Response PC's Monthly Subscription Fee (Quantity of 25) (Contract CLIN 014E)	8	Month	N/C	N/C
0004	Business Response Monthly Subscription Fee (75 Stations @ \$600) (Contract CLIN 014G)	8	Month	\$600	\$4,800
0005	(2) 9840 Tape Drives (Contract CLIN 053A)	8	Month	N/C	N/C
0006	T-1 Access Monthly Subscription Fee (Contract CLIN 032C)	8	Month	N/C	N/C
				Delivery Order Specific Discount	
0007	FileNET Managed Restore Svcs. for Mandatory "Read Only" (2) Servers Monthly Subscription Fee (Contract CLIN 053A)	8	Month	\$1,190	\$9,520
TOTAL MANDATORY RESOURCES 8 (MONTHLY AND OTHER THAN MONTHLY)			Month	\$3,240	\$25,920

SECTION B - SERVICES AND PRICES/COSTS

B.2 MANDATORY OTHER THAN MONTHLY RESOURCES:
(EFFECTIVE 05/01/02 THROUGH 09/28/03)

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
				-----	-----
	TOTAL MANDATORY OTHER THAN MONTHLY RESOURCES:			\$	\$N/A
	TOTAL MANDATORY OTHER THAN MONTHLY RESOURCES (MONTHLY AND OTHER THAN MONTHLY)			\$	\$25,920

SECTION B – SERVICES AND PRICES/COSTS

B.3 OPTIONAL MONTHLY RESOURCES:
(EFFECTIVE 05/01/02 THROUGH 09/28/03)

The following item will become effective only when the Government has exercised the specific optional item through a modification to this delivery order. This language does not preclude the disaster declaration authorization contained under Disaster Contingency CLIN 052 of the basic contract.

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
0008 (Foremost)	IBS Server (2) Xeon 700 MHz CPU's 512 MB Memory 6 x 9.1GB Storage Monthly Subscription Fee (Contract CLIN 053A)	1	Each	\$150	\$150
0009 (ORP)	IBS Server (2) Xeon 700 MHz CPU's 512 MB Memory 2 x 18.2GB Storage Monthly Subscription Fee (Contract CLIN 053A)	1	Each	\$150	\$150
0010	FileNET Managed Restore Svcs. for Optional "Write Access" (2) Servers Monthly Subscription Fee (Contract CLIN 053A)	1	Each	\$900	\$900
TOTAL OPTIONAL MONTHLY RESOURCES				<u>\$1,200</u>	<u>\$1,200</u>

SECTION B – SERVICES AND PRICES/COSTS

B.4 OPTIONAL OTHER THAN MONTHLY RESOURCES:
(EFFECTIVE 05/01/02 THROUGH 09/28/03)

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
0011	Disaster Declaration Fee for (2) IBS SERVERS (Contract CLIN 053A)	1	Each	\$1,200	\$1,200
0012	Daily Hot Site Fee for (2) IBS SERVERS (Contract CLIN 053A)	*	Each	\$600	TBD
0013	Disaster Declaration Fee for Emergency Response Work Area W/ 25 Positions (Contract CLIN 014B)	1	Each	\$2,000	\$2,000
0014	Daily Hot Site Fee for Emergency Response W/ 25 Positions (Contract CLIN 014C)	*	Each	\$1,000	TBD
0015	Disaster Declaration Fee for Business Response Work Area W/ 75 Positions (Contract CLIN 014H)	1	Each	\$5,000	\$5,000
0016	Daily Hot Site Fee for Business Response W/ 75 Positions (Contract CLIN 014I)	*	Each	\$2,500	TBD

* NUMBER TO BE DETERMINED AT EXERCISE OF OPTION ITEM.

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

1. CUSTOMER FACILITY

U.S. Nuclear Regulatory Commission (NRC)
11555 Rockville Pike
Rockville, MD 20852

2. CORE SYSTEM RESOURCES

A. IBS RECOVERY - CARLSTADT, NJ

CONTRACT

<u>LINE NUMBER</u>	<u>QTY</u>	<u>MACHINE TYPE</u>	<u>DESCRIPTION</u>
0053A (Property Mgr.)	1	SMP LAN Server	w/ 8 Pentium III Xeon 700 MHz (or above) Processors w/ 8172 MB Memory, 2 MB L2 Cache and each w/:
		(1) Fixed Disk Drive	36 GB Hard Drive Capacity
		(1) SMART SCSI	SMART Array Controller
		(1) Host bus Adapter	Fiber Host Bus Adapter
		(1) Diskette Drive	3.5" (1.44 MB) Diskette Drive
		(1) Monitor	VGA Color Monitor ¹
		(1) CD-ROM	CD-ROM Drive
		(1) Mouse	Microsoft Compatible Mouse ¹
		(1) Ethernet	10/100Base-T Ethernet Adapter
		(1) External Disk Drive	400 GB Fiber Attached Disk
0053A (TSM)	1	SMP LAN Server	w/ 4 Pentium II Xeon 400 MHz (or above) Processors w/ 1024 MB Memory, 1 MB L2 Cache and each w/:
		(1) Fixed Disk Drive	90 GB Hard Drive Capacity
		(1) SMART SCSI	SMART Array Controller
		(1) Diskette Drive	3.5" (1.44 MB) Diskette Drive
		(1) Monitor	VGA Color Monitor ¹
		(1) CD-ROM	CD-ROM Drive
		(1) Mouse	Microsoft Compatible Mouse ¹
		(1) Ethernet	10/100Base-T Ethernet Adapter
0053A	2	9840	StorageTek Tape Drives (3590 Mode)

¹ SunGard reserves the right to deliver the keyboard, monitor and mouse functionality of the servers via a shared KVM (keyboard/video/mouse) switch.

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

B. EMERGENCY RESPONSE BACKUP CAPABILITY (PHASE I): - COLUMBIA, MD.

CONTRACT

<u>LINE NUMBER</u>	<u>QTY</u>	<u>MACHINE TYPE</u>	<u>DESCRIPTION</u>
0014A	25	Stations	Pre-wired Workspace
	1	Facsimile Devices	CCITT Group III Fax Machines
	1	Copier	12 copies/minute Copier
Voice Recovery:			
	25	Phone Sets	Digital Phone Sets with:
	1	PBX	Digital PBX Usage
	1	ACD	Hunt Group Configuration on Multi-line Sets
	2	Announcements	Automatic Call Distribution (2 ACD queues)
	12	AT&T	Recorded Delay Announcements
	6	Local trunks	800 Lines Inbound 800 Voice Access Lines
	1	VM	Inbound/Outbound Trunks
	25	VM Boxes	Voice Mail (4 ports)
			Voice Mail boxes for Call Coverage
			(VMB per seats 1 to 1 ratio - 4-hour storage)

Note: Customer responsible for any call re-routing to SunGard through their carrier(s).

PC/Stations:

25	PC/Stations	Pentium II 450 MHz (or above) Processor w/ 128 MB Memory and each w/:
	(1) Fixed Disk Drive	10 GB Hard Drive
	(1) Diskette Drive	3.5" (1.44 MB) Diskette Drive
	(1) CD-ROM	CD-ROM Drive
	(1) Monitor	VGA Color Monitor
	(1) Mouse	Microsoft Compatible Mouse
	(1) Ethernet	10/100Base-T Ethernet Adapter
1	Tape Drive	35/70GB Compatible DLT Tape Drive w/ SCSI Interface

LAN Connectivity:

1	LAN Switch	LAN Switch Equipment
36	Switched Ethernet	Switched 10/100Base-T Ethernet Ports

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

B. EMERGENCY RESPONSE BACKUP CAPABILITY (PHASE I): - COLUMBIA, MD. (CONT'D)

CONTRACT

<u>LINE NUMBER</u>	<u>QTY</u>	<u>MACHINE TYPE</u>	<u>DESCRIPTION</u>
LAN Printer(s):			
	2	Laser Printers	Hewlett Packard LaserJet 4+ Printer w/ 22 MB Memory w/ HP JetDirect 10Base-T Ethernet Card
Telecommunication:			
	24	Modems	V.90 Compatible Modems w/ Dial tone

**C. BUSINESS RECOVERY BACKUP CAPABILITY (PHASE II)-
(Set Up At Time of Disaster):**

	<u>Qty</u>	<u>Type</u>	<u>Description</u>
Workarea(s):	75	Stations	Workspace
Voice Recovery:	75	Phonesets	Digital Phonesets

D. MOBILE CLUSTER BACKUP CAPABILITY - (Shipped Next Day to Recovery Facility):

	<u>Qty</u>	<u>Type</u>	<u>Description</u>
Mobile Cluster			
PC/Stations:	75	PC/Station	Pentium II 450 MHz (or above) Processor w/ 64 MB Memory and each w/:
		(1) Fixed Disk Drive	10 GB Hard Drive
		(1) Diskette Drive	3.5" (1.44 MB) Diskette Drive
		(1) Monitor	17" VGA Color Monitor
		(1) CD-ROM	CD-ROM Drive
		(1) Mouse	Microsoft Compatible Mouse
		(1) Ethernet	10/100 Base-T Ethernet Adapter
Mobile Cluster			
LAN Servers:	1	LAN Server	Pentium II 450 MHz (or above) Processor w/ 1024 MB Memory and w/:
		(1) Fixed Disk Drive	18 GB Hard Drive Capacity
		(1) Diskette Drive	3.5" (1.44 MB) Diskette Drive
		(1) Monitor	VGA Color Monitor
		(1) CD-ROM	CD-ROM Drive
		(1) Ethernet	10/100Base-T Ethernet Adapter

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

D. MOBILE CLUSTER BACKUP CAPABILITY - (Shipped Next Day to Recovery Facility):
(Cont'd)

<u>CONTRACT</u> <u>LINE NUMBER</u>	<u>QTY</u>	<u>MACHINE TYPE</u>	<u>DESCRIPTION</u>
Mobile Cluster			
LAN Printers:	1	Laser Printer	Hewlett Packard LaserJet 8000 Printer w/ 16 MB Memory w/ JetDirect 10/100Base-T Ethernet Card
Mobile Cluster			
LAN Connectivity:	1	LAN Hub	LAN Hub Equipment
	96	Ethernet	10/100Base-T Ethernet Ports
	5	Ethernet	Max. Physical 10/100Base-T Segments
ATOD (NOT ON FLOOR):			
	18	Laser Printers	Hewlett Packard LaserJet 4+ Printer w/ 22 MB Memory w/ HP JetDirect 10Base-T Ethernet Card
	18	Facsimile Devices	CCITT Group III Fax Machines
	18	Copiers	12 copies/minute Copiers
	76	Modems	V.90 Compatible Modems w/ Dial tone

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

5. SUPPORT PROVISIONS

- (1) COLD SITE
- (1) CONFERENCE ROOM AND FACILITIES FOR 25 INDIVIDUALS AT CRC
- (1) EQUIPMENT SPACE (500 SQUARE FEET) FOR CUSTOMER-PROVIDED COMMUNICATIONS EQUIPMENT (TESTING AND DISASTER) AT CRC
- (1) EQUIPMENT SPACE (1,000 SQUARE FEET) FOR CUSTOMER-PROVIDED SPECIALIZED EQUIPMENT (DISASTER) AT CRC
- (1) STORAGE SPACE FOR CUSTOMER TAPES (10,000 ROUND REEL AND 30,000 CARTRIDGE, TESTING AND DISASTER) AT CRC
- (1) SET STANDARD SUPPLIES (25 BOXES PAPER AND PRINTER/FAX SUPPLIES/24 HOURS; 100/300 REEL/CARTRIDGE TAPES/24 HOURS, 4 BEEPERS, AND DESK SUPPLIES AT MRC, AND 3 BOXES PAPER AND PRINTER/FAX SUPPLIES/24 HOURS, 5 BOXES 3.5 INCH DISKETTES/24 HOURS, 5 BOXES 8 MM TAPES/24 HOURS, AND DESK SUPPLIES AT CRC)
- (10) SETS RECOVERY SUPPORT MANUALS
 - (1) CUSTOMER ORIENTATION SESSION
 - (1) TECHNICAL SUPPORT PROGRAM
- (72) ANNUAL TEST HOURS ON IBS SERVERS FROM 05/01/02 THROUGH 04/30/03
- (48) ANNUAL TEST HOURS ON IBS SERVERS FROM 05/01/02 THROUGH 04/30/03
- (24) ANNUAL TEST HOURS OF WORK AREA

6. TERM OF TASK ORDER

MANDATORY 5/1/02 THROUGH 12/31/02 (8 MONTHS)

OPTIONAL 1/1/03 THROUGH 9/28/03

THE FOLLOWING PERSONNEL ARE AUTHORIZED TO DECLARE A DISASTER IN ACCORDANCE WITH CLIN 052 AND SECTION H.1. "DISASTER CONTINGENCY" LISTED IN BASIC CONTRACT NO. GSOOT098ALD0010.

WAYNE DAVIS	(301) 415-7229 (O), 1 (888) 798-7239 (P)
BETSY SHELburnE	(301) 415-5607 (O), 1 (888) 798-7239 (P)
KIM BASILE	(301) 415-7301 (O), 1 (888) 798-7239 (P)

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

7. NOTES

- A. EXCEPT AS PROVIDED ABOVE, THE EMERGENCY RESPONSE BACKUP CAPABILITY EQUIPMENT IS IN PLACE AT THE RECOVERY FACILITY. THE BUSINESS RECOVERY BACKUP CAPABILITY EQUIPMENT WILL BE SHIPPED TO AND SET UP AT THE RECOVERY FACILITY UPON SUNGARD'S RECEIPT OF CUSTOMER'S DISASTER NOTIFICATION. UNLESS OTHERWISE NOTED, THE VOICE RECOVERY TIER LEVEL UNDER BUSINESS RECOVERY BACKUP CAPABILITY WILL BE EQUIVALENT TO THE VOICE RECOVERY TIER LEVEL SPECIFIED IN EMERGENCY RESPONSE BACKUP CAPABILITY. IF CUSTOMER DECLARES A DISASTER, CUSTOMER MUST NOTIFY SUNGARD WHETHER IT INTENDS TO UTILIZE THE EMERGENCY RESPONSE BACKUP CAPABILITY, THE BUSINESS RECOVERY BACKUP CAPABILITY, OR BOTH.
- B. SUNGARD PROVIDED EMERGENCY RESPONSE PC/STATIONS WILL BE EQUIPPED WITH WINDOWS 95 OR HIGHER VERSION LEVEL SOFTWARE. SUNGARD PROVIDED EMERGENCY RESPONSE LAN SERVERS WILL BE EQUIPPED WITH DOS 5.0 OR HIGHER VERSION LEVEL SOFTWARE. SUNGARD PROVIDED MOBILE CLUSTER PC/STATIONS AND LAN SERVERS WILL BE SHIPPED WITH THE OPERATING SYSTEM PROVIDED BY THE EQUIPMENT MANUFACTURER. CUSTOMER WILL PROVIDE STATION/SERVER APPLICATION SOFTWARE AND NETWORK OPERATING SYSTEM SOFTWARE.

CUSTOMER REPRESENTS AND WARRANTS THAT IT HAS TAKEN ALL REASONABLE PRECAUTIONS TO PROTECT THE CUSTOMER SUPPLIED SOFTWARE AND COMPUTER SYSTEMS FROM INFECTION BY ANY COMPUTER VIRUS. SUNGARD REPRESENTS AND WARRANTS THAT IT HAS TAKEN ALL REASONABLE PRECAUTIONS TO PROTECT THE SUNGARD SUPPLIED SOFTWARE AND COMPUTER SYSTEMS FROM INFECTION BY ANY COMPUTER VIRUS.

- C. IN THE EVENT OF A DISASTER, SUNGARD AGREES TO SHIP THE EQUIPMENT INDICATED AS THE "MOBILE CLUSTER" EQUIPMENT ABOVE TO THE BACKUP CAPABILITY WITHIN THE NEXT DAY AFTER DISASTER NOTIFICATION, UNLESS OTHERWISE NOTED. CUSTOMER WILL PAY SUNGARD A DAILY RENTAL RATE EQUAL TO ONE PERCENT (1%) OF THE PURCHASE PRICE OF THE EQUIPMENT FOR EACH DAY THE EQUIPMENT IS UTILIZED BY CUSTOMER. THIS DAILY RENTAL RATE WILL COMMENCE ON THE DATE OF INSTALLATION AND CONTINUE THROUGH THE DATE OF DE-INSTALLATION. A MINIMUM THIRTY DAY RENTAL RATE WILL BE ASSESSED FOR EACH DISASTER NOTIFICATION BY CUSTOMER. THE TOTAL OF DAILY RENTAL WILL NOT EXCEED ONE HUNDRED PERCENT (100%) OF THE PURCHASE PRICE, INCLUDING TAX, OF THE EQUIPMENT. CUSTOMER AGREES TO REIMBURSE SUNGARD OR PAY FOR ALL IN-TRANSIT INSURANCE AND TRANSPORTATION COSTS ASSOCIATED WITH THE EQUIPMENT. ONE HUNDRED PERCENT (100%) OF THE DAILY RENTAL RATE MAY BE APPLIED TOWARDS THE PURCHASE OF THE EQUIPMENT IF THE CUSTOMER ELECTS TO

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

7. NOTES (CONT'D)

PURCHASE THE EQUIPMENT FROM SUNGARD. CUSTOMER MUST NOTIFY SUNGARD IN WRITING WITHIN FIFTEEN DAYS FOLLOWING THE END OF THE DISASTER OF THEIR INTENT TO PURCHASE THE EQUIPMENT. FAILURE TO NOTIFY SUNGARD WILL RESULT IN THE FORFEITURE OF THE PURCHASE OPTION AND ALL DAILY RENTAL SHALL BE DUE IN FULL. CUSTOMER IS RESPONSIBLE FOR ALL INSTALLATION, DEINSTALLATION, RETURN TRANSPORTATION, SITE PREPARATION AND ASSUMES THE RISK OF LOSS OR DAMAGE OF THE MOBILE CLUSTER EQUIPMENT AT A NON-SUNGARD FACILITY.

- D. DURING THE FIRST SCHEDULED TEST, SUNGARD AND CUSTOMER WILL CONDUCT TESTING FOR COMPATIBILITY OF CUSTOMER'S HOME TAPE SYSTEM MEDIA AND SOFTWARE ON THE TAPE DRIVE AND SCSI INTERFACE REFERENCED ABOVE IN THE BACKUP CAPABILITY. IF NOT COMPATIBLE, CUSTOMER CAN ELECT TO PROVIDE THEIR OWN TAPE DRIVE SYSTEM FOR TESTING AND DISASTER SUPPORT OR SUNGARD CAN PROVIDE THE COMPATIBLE TAPE DRIVE UNIT AND/OR INTERFACE AS NEEDED, FOR AN ADDITIONAL MONTHLY FEE.
- E. MAXIMUM CUSTOMER PERSONNEL FOR THE EMERGENCY RESPONSE BACKUP CAPABILITY IS LIMITED TO THE QUANTITY OF EMERGENCY RESPONSE WORKAREA STATIONS PLUS A REASONABLE AMOUNT OF TECHNICAL SUPPORT PERSONNEL AS AGREED TO BY SUNGARD. MAXIMUM CUSTOMER PERSONNEL FOR THE BUSINESS RECOVERY BACKUP CAPABILITY IS LIMITED TO THE QUANTITY OF BUSINESS RECOVERY WORKAREA STATIONS.
- F. **FILENET MANAGED RESTORE SERVICES FOR "READ ONLY" AND "WRITE ACCESS" TESTING SUPPORT:** THE FILENET SYSTEM DISASTER RECOVERY TESTING PROCESS IS SUPPORTED BY BOTH FILENET AND SUNGARD TECHNICAL PERSONNEL. THIS IS INTENDED TO BE A PARTNERSHIP ARRANGEMENT WITH FILENET, SUNGARD AND THE CUSTOMER'S TECHNICAL STAFF ALL WORKING TOGETHER TOWARDS THE SAME OBJECTIVE.

THE FILENET SUPPORT IS PROVIDED AS A PART OF THE FORMAL CONTRACTUAL AGREEMENT BETWEEN SUNGARD AND FILENET WHICH PROVIDES FOR THE JOINT MARKETING RELATIONSHIP, AND FOR FULL TECHNICAL SUPPORT ON BOTH THE SERVER AND CLIENT SIDES OF THE OFFERING.

TECHNICAL SUPPORT SERVER SIDE - THE DISASTER RECOVERY OFFERING IS PROVIDED THROUGH THE FILENET PROFESSIONAL SERVICES GROUP OF WHICH THE DISASTER RECOVERY PROGRAM MANAGER IS A MEMBER. DURING ALL TESTING, A MEMBER OF THE PROFESSIONAL SERVICE TECHNICAL SUPPORT STAFF IS ALSO ON-SITE.

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

7. NOTES (CONT'D)

THE FILENET DISASTER RECOVERY PROGRAM MANAGER REMAINS ON-SITE AND ACTIVELY PARTICIPATES IN ALL FILENET TESTING AND SYSTEM RECOVERIES. THE PROGRAM MANAGER IS SUPPORTED BY ADDITIONAL SUPPORT GROUPS WITHIN THE FILENET ORGANIZATION.

FILENET IS RESPONSIBLE FOR MAPPING THE CUSTOMER'S HARDWARE AND SOFTWARE CONFIGURATION TO THE HARDWARE THAT IS INSTALLED AT THE SUNGARD FACILITY.

ADDITIONALLY, RESTORATIONS OF THE FILENET OPERATING SYSTEM, WINDOWS OPERATING SYSTEM AND THE CUSTOMER'S DATABASES ARE THE RESPONSIBILITY OF FILENET.

IF ANY TECHNICAL PROBLEMS ARE ENCOUNTERED WHICH CANNOT BE RESOLVED BY EITHER THE DISASTER RECOVERY PROGRAM MANAGER ON-SITE, OR THE CUSTOMER SERVICE & SUPPORT PERSONNEL, THEN ADDITIONAL PROFESSIONAL SERVICES SUPPORT MEMBERS FROM FILENET'S HEADQUARTERS IN COSTA MESA, CALIFORNIA CAN PROVIDE SUPPORT VIA MODEM, OR IF NEEDED THE FILENET SOFTWARE ENGINEERING GROUP CAN BE BROUGHT IN.

THE FILENET DISASTER RECOVERY PROGRAM MANAGER WILL ALSO PROVIDE ASSISTANCE IN THE DEVELOPMENT OF CUSTOMER'S DISASTER RECOVERY TEST OBJECTIVES.

THE SUNGARD TECHNICAL SUPPORT PERSONNEL ARE RESPONSIBLE FOR THE ESTABLISHMENT AND MAINTENANCE OF THE NETWORK BACKUP CAPABILITY, AS WELL AS ALL LOGISTICAL AND FACILITY ISSUES.

TECHNICAL SUPPORT - CLIENT SIDE: AT THE CLIENT SIDE, THE SAME FILENET CUSTOMER SERVICE AND SUPPORT PERSONNEL WHO ARE RESPONSIBLE FOR THE DAY TO DAY INTEGRITY OF THE CUSTOMER'S SYSTEM ARE RESPONSIBLE FOR THE RESTORATION AND RECOVERY OF THE CUSTOMER'S ENVIRONMENT AT THEIR CLIENT SIDE RECOVERY FACILITY. THIS SUPPORT IS PROVIDED REGARDLESS OF WHETHER THE CUSTOMER HAS CHOSEN TO USE THE NEAREST SUNGARD WORKAREA RECOVERY FACILITY OR ANOTHER FACILITY WHICH IS INTERNAL TO THEIR ORGANIZATION.

DOCUMENT ARCHIVE & RETRIEVAL TRANSPORT (DART) - A SEPARATE SOFTWARE UTILITY PROGRAM IS PROVIDED WHICH WILL ALLOW IMAGES AND THEIR INDEX VALUES TO BE COPIED FROM THE CURRENT SURFACE OF THE TRANLOG TO A MAGNETIC DISK DIRECTORY ON AN INCREMENTAL BASIS. SO, THAT CRITICAL INFORMATION CAN BE MOVED OFFSITE MORE FREQUENTLY THAN THE TIME REQUIRED TO FILL AN OPTICAL DISK. THIS TOOL NARROWS THE WINDOW OF EXPOSURE FOR LOSS OF DATA.

SECTION C - DESCRIPTION/SPECIFICATIONS/STATEMENT OF WORK

7. NOTES (CONT'D)

THIS UTILITY RUNS IN A BACKGROUND MODE WITHOUT IMPACTING THE NORMAL PRODUCTION-PROCESSING ENVIRONMENT. THIS SOFTWARE IS PROVIDED AT NO ADDITIONAL COST IN CONJUNCTION WITH CUSTOMER'S DISASTER RECOVERY SUBSCRIPTION. THIS INCLUDES ALL INSTALLATION, TRAINING, DOCUMENTATION, UPDATES, MAINTENANCE, AND ON-GOING SUPPORT.

G. ADDITIONAL EQUIPMENT AT THE TIME OF DISASTER (NOT ON FLOOR)

IN THE EVENT OF A DISASTER, SUNGARD AGREES TO USE COMMERCIALY REASONABLE BEST EFFORTS TO ACQUIRE THE EQUIPMENT INDICATED AS "ATOD EQUIPMENT" ABOVE (THE "EQUIPMENT") AND INSTALL IT AT THE BACKUP CAPABILITY.

SUNGARD'S EFFORTS TO ACQUIRE THE EQUIPMENT WILL ENCOMPASS THE FOLLOWING:

a) SUNGARD WILL FIRST ATTEMPT TO RENT THE EQUIPMENT REQUIRED. IF SUNGARD IS ABLE TO RENT THE EQUIPMENT REQUIRED, CUSTOMER AGREES TO PAY THE DAILY RENTAL RATE FOR THE USE OF THE ATOD EQUIPMENT DURING A DISASTER. THE DAILY RENTAL FOR THIS ATOD EQUIPMENT WILL COMMENCE ON THE DATE OF SHIPMENT AND CONTINUE THROUGH THE DATE OF DE-INSTALLATION, FOR A MINIMUM OF THIRTY (30) DAYS. CUSTOMER AGREES TO PAY ALL IN-TRANSIT INSURANCE, TRANSPORTATION, MAINTENANCE, INSTALLATION AND DE-INSTALLATION COSTS ASSOCIATED WITH THE ATOD EQUIPMENT.

b) IF SUNGARD IS UNABLE TO RENT THE EQUIPMENT REQUIRED, SUNGARD WILL THEN USE COMMERCIALY REASONABLE BEST EFFORTS TO PURCHASE THE EQUIPMENT REQUIRED. IF SUNGARD IS ABLE TO PURCHASE THE EQUIPMENT, CUSTOMER WILL BE

RESPONSIBLE FOR THE FULL PURCHASE PRICE OF THE EQUIPMENT. PAYMENT WILL BE DUE BY CUSTOMER TO SUNGARD WITHIN THIRTY (30) BUSINESS DAYS OF CUSTOMER'S AUTHORIZATION TO PURCHASE. SUNGARD SHALL TRANSFER OWNERSHIP OF THE EQUIPMENT WITHIN THIRTY (30) DAYS OF RECEIPT OF THE PAYMENT. CUSTOMER AGREES TO PAY ALL IN-TRANSIT INSURANCE, TRANSPORTATION, MAINTENANCE, INSTALLATION AND DE-INSTALLATION COSTS ASSOCIATED WITH ATOD EQUIPMENT.

PRIOR TO OBTAINING THE REQUIRED ATOD EQUIPMENT FOR RENTAL OR PURCHASE, SUNGARD WILL NOTIFY CUSTOMER OF THE EQUIPMENT SITUATION AND WILL REQUIRE CUSTOMER'S SIGNATURE AUTHORIZING THE RENTAL OR PURCHASE.

AWARD OF INTERAGENCY AGREEMENT

1. DATE OF ISSUE	2. AGREEMENT NUMBER NRC-33-02-326	3. MOD NO. N/A
4. AGENCY LOCATOR NO. 31000001	5. B & R NUMBER 210-15-522-338	6. JOB CODE J1154
7. BOC 253A	8. DOCUMENT IDENTIFICATION NUMBER CIO270141A	

9. ISSUED BY
**U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001**

10. NAME AND ADDRESS OF SERVICING AGENCY
**General Services Administration
Federal Computer Acquisition Center
5354 Walker Lane, Suite 200
Alexandria, VA 22310**

PROJECT MANAGER John Voglewede	OFFICE OCIO/ITID
TELEPHONE NUMBER 301-415-7415	FACSIMILE NUMBER 301-415-7415

TELEPHONE NUMBER 703-306-7546	FACSIMILE NUMBER 703-306-7546
-----------------------------------------	-----------------------------------------

11. JOB CODE TITLE
ADAMS DISASTER RECOVERY SERVICES

12. AGREEMENT PERFORMANCE PERIOD

BEGIN 05/01/2002	END 12/31/2002
----------------------------	--------------------------

13. OBLIGATION AVAILABILITY PROVIDED BY

A. THIS ACTION	\$	31,050
B. TOTAL PLACED PRIOR TO THIS ACTION WITH THE PERFORMING ORGANIZATION UNDER THIS JOB CODE FOR THIS FISCAL YEAR	\$	0
C. TOTAL ORDERS TO DATE FOR THIS JOB CODE FOR THIS FISCAL YEAR	\$	0
D. TOTAL ORDERS TO DATE FOR THIS AGREEMENT	\$	0

14. ATTACHMENTS

THE FOLLOWING ATTACHMENTS ARE MADE A PART OF THIS AGREEMENT

- STATEMENT OF WORK
- ADDITIONAL TERMS AND CONDITIONS
- OTHER (Specify) Schedule of Prices/Costs

15. SECURITY

- WORK ON THIS AGREEMENT INVOLVES CLASSIFIED INFORMATION
- WORK ON THIS AGREEMENT INVOLVES SENSITIVE UNCLASSIFIED INFORMATION
- WORK ON THIS AGREEMENT IS UNCLASSIFIED AND NOT SENSITIVE

16. FEE BILLABLE UNDER 10 CFR PART 170 YES NO

17. REMARKS

The purpose of this Interagency Agreement is for the U.S. Nuclear Regulatory Commission to acquire disaster recovery services for its Agencywide Documents Access and Management System (ADAMS) under the General Services Administration's contract.

18. AUTHORITY TO ENTER INTO INTERAGENCY AGREEMENT (Check only one)

- ENERGY REORGANIZATION ACT OF 1974, AS AMENDED
- THE ECONOMY ACT OF 1932
- THE CLINGER-COHEN ACT OF 1996
- OTHER (Specify)

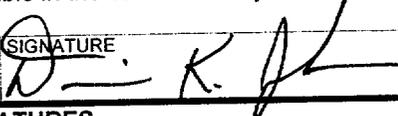
19. ADVANCE PAYMENT IS NOT AUTHORIZED IS AUTHORIZED (Requires approval by Director, DAF/OCFO)

20. ESTIMATED COST FOR FULL PERFORMANCE OF THIS AGREEMENT

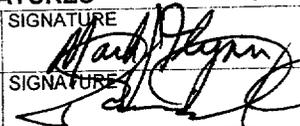
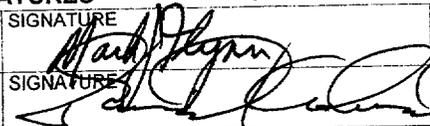
FY 2002	FY 2003	FY 2004	FY	FY	TOTAL
\$ 31,050	\$ 80,000	\$ 80,000	\$	\$	\$ 191,050

21. CERTIFICATION OF FUNDS

This certifies that funds in the amount cited in Block 13.A. are available in the current fiscal year allotment for work authorized by this agreement.

FUNDS CERTIFICATION OFFICIAL (Typed Name) **Dennis K. Johnson** SIGNATURE  DATE **4/26/02**

22. SIGNATURES

NRC ISSUING AUTHORITY (Typed Name and Title) **Mark J. Flynn, Contracting Officer** SIGNATURE  DATE **4/26/02**
SERVICING AGENCY OFFICIAL/DESIGNEE (Typed Name and Title) SIGNATURE  DATE **4/26/02**

NRC CONTACTS:**TECHNICAL:**

FULL NAME John C. Voglewede	ADDRESS U.S. Nuclear Regulatory Commission Mail Stop T-5-E30 Washington, D.C. 20555
TELEPHONE NUMBER (301) 415-7415	

ADMINISTRATIVE:

FULL NAME Brenda J. DuBose	ADDRESS U.S. Nuclear Regulatory Commission Mail Stop T-7-I2 Washington, D.C. 20555
TELEPHONE NUMBER (301) 415-6578	

OTHER AGENCY'S CONTACTS:**TECHNICAL:**

FULL NAME David Krohmal	ADDRESS General Services Administration 6354 Walker Lane, Suite 200 Alexandria, VA 22310
TELEPHONE NUMBER (703) 619-6197	

ADMINISTRATIVE:

FULL NAME	ADDRESS
TELEPHONE NUMBER	

BILLING INFORMATION:

To receive reimbursement under this agreement, forward to NRC on a (check one):

monthly quarterly other _____ basis, an original and three copies of Standard Form

1081 in accordance with the Treasury Fiscal Requirements Manual, Bulletin No. 78-09, or, if possible, bill monthly through the OPAC system. Send reimbursement requests to the following address:

Financial Operations Branch
Mail Stop: T-9 E2
Division of Accounting and Finance
Office of the Chief Financial Officer
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Any NRC funds remaining unexpended at the end of a fiscal year may be carried over into future fiscal years unless otherwise notified by NRC.

REPORTING REQUIREMENTS: Submit reports to the NRC in accordance with the statement of work. Submit financial status reports on a (check one):

monthly quarterly other _____ basis. These reports shall contain a brief letter

status report which summarizes the expenditure of NRC funds. This report shall address the following categories, as applicable: (1) staff effort; (2) travel; (3) equipment and supplies; and (4) subcontract costs. Each report shall include by category: (a) costs for the previous month; (b) cumulative costs and uncosted obligations to date; and (c) projections for the remainder of the NRC obligated funds. The first monthly report shall provide the initial projections, and subsequent reports shall either indicate revised projections or indicate "no change in the cost and uncosted expenditure projection."

Submit these reports to the NRC Technical Contact by the 20th day of the month following the reporting period.

TERMINATING THE AGREEMENT: This agreement may be unilaterally terminated by either party generally upon 30 days' written notice to the other party. NRC will pay its share of any project expenses up to the termination date. Any expenses incurred in terminating this agreement will be paid by the party terminating the agreement. Any unexpended funds shall be returned to the NRC.

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ATTACHMENTS:

- Attachment 1: NRC Hardware Requirements
- Attachment 2: ADAMS Disaster Recovery Restore Test
- Attachment 3: ADAMS Recovery Requirement
- Attachment 4: Terms and Conditions

**Statement of Work
Disaster Recovery Services
for the
U.S. Nuclear Regulatory Commission (NRC)
Agencywide Documents Access and Management System (ADAMS)**

SECTION A

A.1 Background

The U.S. Nuclear Regulatory Commission (NRC) provides oversight of nuclear power plants, non-power reactors, nuclear fuel cycle facilities, waste disposal, and the industrial and medical uses of nuclear materials. The NRC's Office of the Chief Information Officer (OCIO) is responsible for guiding the agency in the effective and efficient use and integration of appropriate information technologies to accomplish the NRC mission.

In accordance with the Office of Management and Budget (OMB) Circular A-130, Appendix III, *Security of Federal Automated Information Resources* and the Computer Security Act of 1987, the NRC is required to develop business continuity plans, including disaster recovery services, for major agency computer systems.

The NRC requires the support of a contractor to provide disaster recovery services for the Agencywide Documents Access and Management System (ADAMS).

A.2 System Description

ADAMS is a major element of the NRC's information technology and management infrastructure. ADAMS provides the capability for staff to collaborate on and track the progress of documents in preparation; store all new documents electronically in one location; capture documents as they are created; and allow staff searches of the new electronic document collection and the index database of the existing historical collection at their workstations.

Documents are captured upon initiation and stored electronically in one central location, ensuring the centralization of the document collections. Documents are distributed electronically, eliminating substantial paper duplication efforts and making documents available more rapidly for review or concurrence. Staff can make fast and complete full text searches, view and electronically copy documents at their workstations.

ADAMS is based on the FileNet family of products known as Panagon and has been integrated with WordPerfect. It is a client server-based integrated package which includes components for document management, ForeMost records management, Image processing, and an Internet accessible interface to the underlying document repository. It is built around Microsoft SQL Server Relational Database Management

System (RDBMS), FileNet document services, and the Fulcrum text retrieval engine, all of which are embedded in the product and not modifiable by the system administrator. Panagon is capable of replicating data and document repositories to accomplish distributed computing.

In practice, ADAMS consists of several separate systems. These include the ADAMS Main Library, the ADAMS Public Library, the ADAMS Legacy Library, and several ADAMS sensitive libraries. **The scope of this Statement of Work applies to only one system, the ADAMS Main Library, to be used in read-only mode.** Hardware requirements for the ADAMS Main Library are provided in Attachment 1- NRC Hardware Requirements. Some of the information in the ADAMS libraries is sensitive and not available to the public. However, all ADAMS library information is unclassified.

A.3 Client (Workstation) Environment

ADAMS was designed as a client server application to operate within the Agency local area network and wide area network (LAN/WAN). The client software resides on the standard personal computer (PC) desktop configuration, typically a networked Pentium class machine, operating at 500 MHz or faster, with a 3.5" diskette drive, 128MB RAM, 6 GB disk drive and a CD drive, running under Windows NT. Desktop computers used by NRC are not all of identical hardware and software configuration. Following a disaster, the software for the contractor's disaster recovery workstations will be loaded by NRC upon arrival or provided by NRC in advance of any disaster declaration.

A.4 System Recovery

The on-site ADAMS backup process assumes that ADAMS libraries are restored using Tivoli Storage Manager (TSM) software with the existing StorageTek tape library system. Due to the current and the projected size of the ADAMS library, incremental changes to the database are recorded and maintained by the Tivoli Storage Manager. Although on-site recovery of ADAMS has been performed using TSM, off-site recovery requires first rebuilding TSM and the ADAMS library infrastructure, providing TSM with a valid backup library, and then allowing TSM to rebuild the ADAMS library. FileNet and other library tools are then added to allow access to the database.

Procedures used for recovery of ADAMS main library using backup tapes are provided in Attachment 2. The process is expected to take several hours following receipt of the tapes (approximately 200 tape cartridges). NRC will provide, upon request by the contractor, on-site technical support during the first recovery test.

A.5 Disaster Recovery Services

The contractor shall provide:

1. All hardware described in Attachment 1 - NRC Hardware Requirements for the ADAMS Main Library at a remote facility. This facility shall be located in the continental United States and within the service area of a commercial delivery service to provide transport of ADAMS backup tapes from NRC (or Washington DC metropolitan area storage facility) to the contractor's facility. Transport of the tapes to the contractor's facility shall be completed within 24 hours of disaster declaration using an NRC-funded commercial delivery service. The contractor's facility shall be prepared to accept delivery at any time following disaster declaration. The disaster recovery facility shall include necessary servers along with tape drives and connectivity to recover the ADAMS application within 24 hours of receipt of backup tapes. The contractor, as described below, shall be responsible for testing and recovery of the system.
2. A remote recovery work area within 75 miles of NRC Headquarters in Washington, DC. This remote recovery work area shall include [25] workstations as described in the previous section, *Client (Workstation) Environment*. This facility should be capable of expansion to [100] workstations within 48 hours, if required. Each workstation shall include computer, monitor, keyboard, mouse, local or networked printer. The workstation to networked printer ratio shall be 25:1 for testing and 5:1 at time of disaster. Software will be provided by NRC and includes Windows NT Workstation, ADAMS Software Suite (except ForeMost), Corel Suite (including WordPerfect 8.0). Each workstation shall also include standard equipment required to function in an office environment, such as telephones, faxes, and copiers. The workstation to telephone ratio shall be 1:1. The workstation to fax/copier ratio shall be 25:1 for testing and 5:1 at time of disaster. The contractor shall also provide an e-mail gateway or modem access from each workstation.
3. Connectivity between the Contractor's remote disaster recovery facility located in Carlstadt, New Jersey (Item 1 above) and the Contractor's remote recovery work area located in Columbia, Maryland (Item 2 above) shall be provided to the NRC Project Officer. The two facilities need not be co-located.
4. Following disaster declaration, disaster recovery services shall be provided for a period of up to six weeks.

5. A Disaster Recovery Test Program - A program to test the disaster recovery process shall be provided by the contractor. Testing shall be conducted at least annually. The testing shall include all components in Item 1 above, for no more than [2] workstations described in Item 2 above. Annual testing shall be less than 96 hours during the first year and less than 48 hours in any subsequent year should this Agreement be extended by the Government.

A.6 Disaster Recovery Procedures

1. Authorized NRC staff (refer to Paragraph A.10 - Client Personnel Authorized to Declare a Disaster) will declare a disaster and implement the disaster recovery procedures. The contractor shall use these written procedures identifying who is authorized, and the procedures necessary, to make the declaration.
2. NRC must have the capability to contact the disaster recovery contractor and declare a disaster 24 hours a day seven days a week. Upon disaster declaration by authorized NRC staff, the ADAMS functionality as described below must be fully restored and operational at the recovery facility within [48] hours of declaration and within [24] hours of receipt of tapes.
3. The latest ADAMS backup data will be retrieved from an NRC tape storage facility by the NRC and provided to the contractor at the disaster recovery site within 24 hours of disaster declaration using a commercial delivery service.
4. The contractor shall configure storage hardware, including all necessary disk drivers.
5. The contractor shall bring up the ADAMS software into its normal active state and confirm to the NRC Project Manager that the NRC database is up and running normally. The criteria listed in Attachment 3 - ADAMS Recovery Requirements will be used by NRC to confirm operation of the system.
6. The contractor shall provide connectivity between the disaster recovery facility and the remote recovery work area.
7. Within [48] hours of declaring an emergency, a few designated NRC personnel will relocate to the contractor's remote recovery work area. At that facility, those employees will receive telephone calls or e-mail messages from NRC requesting access to documents in the ADAMS Main Library. The staff will use ADAMS Simple and Advanced Find to search

the ADAMS Main Library to find the requested documents, view them on screen using the ADAMS Viewer, print a paper copy of the entire document or selected pages and fax the printed copies to the requester, or e-mail the electronic file to the requestor. In addition, the staff will generate bibliographic reports using the ADAMS Create Report feature, print the reports to paper, and fax the paper copies to the NRC requestor.

A.7 Period of Performance

The period of performance for this delivery order is May 1, 2002 and will expire on December 31, 2002. The Government reserves the right to extend the term of this Agreement at one-year intervals.

The master contract runs only through September 28, 2003. Jk

A.8 Travel

Local travel from the contractor's office to NRC Headquarters in Rockville, MD may be required. The Government will not reimburse the contractor for any local travel costs. No foreign travel is authorized under this Agreement.

A.9 NRC Technical Contact

The NRC Project Manager (PM), identified below, is responsible for ensuring that the services required under this project are delivered in accordance with the terms of the SOW. All technical direction instructions to the servicing agency must be issued through the PM. Technical direction includes interpreting technical specifications, providing needed details, and suggesting possible lines of inquiry. They must not constitute new work or affect overall project cost or period of performance. Technical direction must be confirmed in writing to the servicing agency (see below for Servicing Agency).

Technical direction may include approval of approaches, solutions, designs, or refinements; interpretation of specifications; or shifting of emphasis among work areas or tasks. It may not constitute new assignments of work and will not change the estimated project cost or change the scope or expressed terms, conditions, or specifications contained in the SOW.

Technical direction provided by the NRC Project Manager, must be documented in writing and forwarded to the servicing agency at the address identified below, with a copy to the NRC Contracting Officer.

NRC Project Manager

Name: John C. Voglewede
E-Mail Address: jcv@nrc.gov
Business Address: U.S. Nuclear Regulatory Commission
Mail Stop T-5-E30
Washington, DC 20555-0001
Telephone/Fax: 301-415-7415

NRC Contracting Officer

Name: Mark J. Flynn, Contracting Officer
Business Address: U.S. Nuclear Regulatory Commission
Division of Contracts and Property Management
IT Acquisition Management Branch
Mail Stop T-7-I9
Washington, D.C. 20555
Telephone: (301) 415-6726

GSA Project Manager - (Servicing Agency)

Name: David Krohmal
E-Mail Address: david.krohmal@gsa.gov
Address: General Services Administration
Disaster Recovery Services Program
Federal Computer Acquisition Center(FEDCAC)
6354 Walker Lane, Ste. 200
Alexandria, VA 22310
Telephone/Fax: 703.619.6197 (V), 703.619.9778 (F)

A.10 Client Personnel Authorized to Declare an Emergency

Primary: Wayne Davis
(301) 415-7229

Secondary: Betsy Shelburne
(301) 415-5607

Tertiary: Kim Basile
(301) 415-7301

A pager (1-888-798-7239) is always carried by one of the above authorized individuals and can be used to contact them in case of an emergency.

A.11 Government-Furnished Materials

The NRC technical contact will furnish to the contractor all necessary standards, documents, and guidance materials required for compliance with the conditions outlined in this Statement of Work.

A.12 Optional Services

Optional services under this Agreement may include

- (a) Connection of the ADAMS disaster recovery system to the NRC network. In addition to connection between the disaster recovery facility and the remote recovery work area (refer to Paragraph A.6, Item 7 of the Disaster Recovery Procedures), the contractor shall provide the ability to link the disaster recovery facility and the NRC network. The data connection will be 1.0 - 2.0 Mb/sec and will be provided by NRC. (Refer to Contract Line Item 0006 under the Schedule of Services and Prices/Costs.)
- (b) Write access to the library (this expands the scope of hardware and software). This will require Optional Item (a) above and all the optional equipment listed in Attachment 1. At termination of the disaster, NRC will provide scratch tapes to the contractor for fail-back of the database to NRC. (Refer to Contract Line Item 0008, 0009, and 0010 of the Schedule of Services and Prices/Costs.)

SECTION B

B.1 Limitation of Funds

The NRC is not required to reimburse the servicing agency for costs incurred in excess of the total amount obligated by an appropriately executed NRC Form 662. The NRC office will formally notify the servicing agency of any projects that are intended to be phased out or terminated as soon as such intent is known, preferably at least 30 days before the proposed termination date. For work orders with fixed performance periods, the servicing agency should assume that the program will terminate on the last day of the period specified in the "Award of Interagency Agreement" unless notified otherwise.

The servicing agency must notify the NRC if at any time it has reason to believe that the costs of the project will exceed the total amount authorized. In the absence of formal NRC instructions to continue or to terminate a work order, the servicing agency contracting officer, or his or her designee, will notify NRC by fax, or other suitable written means, when the accrued costs of any NRC work order approaches 75 percent of the authorized funding level for a project or task.

The notification should include the estimated date when the accrued costs will equal the authorized funds, and may, if appropriate, recommend or request the NRC action desired. If additional funds are necessary to complete the project, the servicing agency will identify and justify the amount requested. The notification should be sent to the requiring NRC office.

After this notification, the requiring office will evaluate costs incurred against technical progress and, if necessary will:

- Increase funding authorization
- Change the scope of the work
- Change the period of performance
- Terminate the project

The performance of work will be completed within the period stated in the most current authorization document. This could either be in the form of an amendment to the NRC Form 662, or in a letter defining the task order. However, when the servicing agency anticipates that the work cannot be completed within the fixed time period, it will notify the office in writing. Notification should be given in sufficient time to allow a modification to NRC Form 662 to be issued. The modification will authorize an extension of the work period to the date necessary to complete the work. A modification, using NRC Form 662, will also be necessary for increases in funding. If the period of performance is not extended, NRC will notify the servicing agency via a modification to NRC Form 662 containing close-out instructions, including the reconciliation of any excess funds.

B.2 SCHEDULE OF SERVICES AND PRICES/COSTS

MANDATORY MONTHLY RESOURCES:

(Effective 5/01/02 through 12/31/02)

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
0001	(2) IBS SERVERS Monthly Subscription Fee (Contract CLIN 053A)				\$8,000
				Delivery Order Specific Discount	
0002	Emergency Response Monthly Subscription Fee (25 Stations @ \$450) (Contract CLIN 014A)				\$3,600
0003	Emergency Response PC's Monthly Subscription Fee (Quantity of 25) (Contract CLIN 014E)				N/C

0004	Business Response Monthly Subscription Fee (75 Stations @ \$600) (Contract CLIN 014G)	[REDACTED]			
0005	(2) 9840 Tape Drives (Contract CLIN 053A)	8	Month	N/C	N/C
0006	T-1 Access Monthly Subscription Fee (Contract CLIN 032C)	8	Month	N/C	N/C
		Delivery Order Specific Discount			
0007	FileNET Managed Restore Svcs. for Mandatory "Read Only" (2) Servers Monthly Subscription Fee (Contract CLIN 053A)	[REDACTED]			\$9,520
TOTAL MANDATORY RESOURCES (MONTHLY AND OTHER THAN MONTHLY)		[REDACTED]			\$25,920

B.3 OPTIONAL MONTHLY RESOURCES:

(EFFECTIVE 05/01/02 THROUGH 12/31/02)

The following item will become effective only when the Government has exercised the specific optional item through a modification to this delivery order. This language does not preclude the disaster declaration authorization contained under Disaster Contingency CLIN 052 of the basic contract.

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
0008 (Foremost)	IBS Server (2) Xeon 700 MHz CPU's 512 MB Memory 6 x 9.1GB Storage Monthly Subscription Fee (Contract CLIN 053A)		Each		\$150
0009	IBS Server (ORP) (2) Xeon 700 MHz CPU's 512 MB Memory 2 x 18.2GB Storage Monthly Subscription Fee (Contract CLIN 053A)				\$150
0010	FileNET Managed Restore Svcs. for Optional "Write Access" (2) Servers Monthly Subscription Fee (Contract CLIN 053A)				\$900
TOTAL OPTIONAL MONTHLY RESOURCES				<u>\$1,200</u>	<u>\$1,200</u>

B.4 OPTIONAL OTHER THAN MONTHLY RESOURCES:
(TO BE USED ONLY WHEN A DISASTER IS DECLARED)
 (EFFECTIVE 05/01/02 THROUGH 12/31/02)

<u>Item No.</u>	<u>Description</u>	<u>Qty.</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total Amount</u>
0011	Disaster Declaration Fee for (2) IBS SERVERS (Contract CLIN 053A)	[REDACTED]			\$1,200
0012	Daily Hot Site Fee for (2) IBS SERVERS (Contract CLIN 053A)	*	Each	[REDACTED]	TBD
0013	Disaster Declaration Fee for Emergency Response Work Area W/ 25 Positions (Contract CLIN 014B)	[REDACTED]			\$2,000
0014	Daily Hot Site Fee for Emergency Response W/ 25 Positions (Contract CLIN 014C)	*	Each	[REDACTED]	TBD
0015	Disaster Declaration Fee for Business Response Work Area W/ 75 Positions (Contract CLIN 014H)	[REDACTED]			\$5,000
0016	Daily Hot Site Fee for Business Response W/ 75 Positions (Contract CLIN 014I)	*	Each	[REDACTED]	TBD

* Number to be determined at exercise of option item.

B.5 Stop Work Order

The requiring NRC office may, at any time, by written order to the servicing agency contracting officer, require the servicing agency to stop all or any part of the work called for by this work order. The stop-work order may be for a period of up to 90 days after the order is delivered to the servicing agency and for any further period to which the parties may agree. This type of order will be specifically identified as a "stop-work order," issued pursuant to this clause.

Upon receipt of this order, the servicing agency will comply immediately with its terms. The servicing agency will take all reasonable steps to minimize the incurrence of cost allocable to the work covered by the order during the period of work stoppage.

Within a period of 90 days after a stop-work order is delivered to the servicing agency or within any extension of that period to which the parties have agreed, the requiring office will either cancel the stop-work order or terminate the work covered by the order.

If a stop-work order issued under this clause is canceled or the period of the stop-work order or any extension thereof expires, the servicing agency will resume work. An adjustment will be made in the delivery schedule or cost, or both, and the work order must be modified in writing accordingly.

If a stop-work order is not canceled and the work covered by the order is terminated in accordance with the terms of this work order, costs resulting from the stop-work order will be allowed in arriving at the termination settlement.

ATTACHMENTS

- Attachment 1: NRC Hardware Requirements
- Attachment 2: ADAMS Disaster Recovery Restore Test
- Attachment 3: ADAMS Recovery Requirement
- Attachment 4: Terms and Conditions

Attachment 1 - NRC Hardware Requirements

Mandatory Requirements ADAMS Main Library - Off-Site Read-Only Configuration Load using two (2) StorageTek 9840 Drives

Name	Type	RAM	CPU	Storage (raw)
Property Manager	Proliant 8000	4GB	8 XEON 700, 2MB cache	21 x 18.2 GB internal
Storage				1.64 TB external
TSM	Proliant 7000	4GB	4 XEON 400, 1MB cache	12 x 18.2GB internal 5 x 18.2GB external

Optional Additional Equipment ADAMS Main Library (Required for Write Access)

Name	Type	RAM	CPU	Storage (raw)
Foremost	Proliant 1600	512MB	2 PII 450MHZ	6 x 9.1GB internal
ORP	Proliant 1600	512MB	2 PII 450MHZ	2 x 18.2GB internal

ADAMS Main Library (Current On-Site Configuration)

Name	Type	RAM	CPU	Storage (raw)
Property Manager	Proliant 8000	4GB	8 XEON 700, 2MB cache	21 x 18.2 GB internal
TSM	Proliant 7000	4GB	4 XEON 400, 1MB cache	12 x 18.2GB internal 5 x 18.2GB external
Storage				1.64 TB external
Foremost	Proliant 1600	512MB	2 PII 450MHZ	6 x 9.1GB internal
ORP	Proliant 1600	512MB	2 PII 450MHZ	2 x 18.2GB internal

Attachment 2 - ADAMS Disaster Recovery Restore Test 9310 Library System

Objective: To confirm NRC's ability to restore a single ADAMS server to its most recent state upon the event of a major disaster resulting in the loss of the Tivoli Storage Manager (TSM) Server, TSM Client machines, StorageTek Automated Cartridge System Library Software (ACSL) tape backup library System, and all onsite storage pools. Scope of test includes rebuild of TSM Server, configuration of manual TSM library, and rebuild of TSM Client.

Use of two 9840 tape drives, cypool and scratch tapes is described below.

Outline of Tasks:

1. Build Replacement TSM Server to emulate TSM Production server.
2. Configure tape drives to TSM server and test functionality.
3. Restore TSM database to TSM server from cypoolx.
4. Update Library configuration for restore environment.
5. Restore TSM primary storage pool to TSM server from cypoolx.
6. Build TSM Client machine to emulate ADAMS Server.
7. Restore client data from TSM server.
8. Test quality of client restore.

Required Items:

Replacement TSM Server identical to production machine
Replacement TSM Client machine identical to ADAMS Server
2 or more 9840 Tape drives with terminator.
1 or more Differential SCSI Adaptor (Adaptec 2944UW).
Compaq SmartStart 5.1 CD.
WinNT 4.0 Server Enterprise Edition.
WinNT Service Pack 5.
TSM 3.7 Server CD; TSM 3.7.3 Server Patch CD.
TSM 3.7 Client Install CD dated 3/19/01.
CopyPoolx Box containing PlanFile printout and diskette.

Procedure:

1. Build Replacement TSM Server to emulate TSM Production server.
 - Use Compaq SmartStart 5.1 Utility to configure Drive arrays.
 - Install Windows NT 4.0 Enterprise Edition, bring to Service Pack level 5.
 - Install Adaptec 2944UW Differential SCSI Adaptor(s) and driver.
 - Attach Tape drive(s) to the machine. Daisy chain the second drive to the first, making sure the second drive is terminated. Note: You may wish to

test the Tape drives through NT by installing the driver provided with the OS. If so, make sure to uninstall this driver before installing TSM Server, as TSM uses its own Device driver.

- Install TSM Server 3.7 making sure to install to same directory path used in the lost production environment (C:\ADSM).
- Install TSM 3.7 Server Patch
- Create folder named Log under the C:\ADSM directory.
- Create folder named PlanFile under the C:\ADSM\Drm directory. Copy the PlanFile (YYYYMMDD.TIMEXX) from floppy to same.
- Edit the devcnfg.txt file residing on the floppy disk stored in the Copypool Tape box as follows:

```
Define Devclass 9840cls devtype=ECART format=drive library=ManLib1  
mountr=60 mountwait=60 mountlimit=1
```

```
Define Libr ManLib1 Libtype=manual
```

```
Define Drive ManLib1 Drive1 Device=mtx.a.b.c (where x=target id;  
a=LUN; b=Bus number; c=SCSI Port. Located in properties of the tape  
drive under SCSI Adaptors).
```

Remove references to ACSLS deviceclass, and drives and save file to C:\ADSM\Config.

- Copy A:\Volhist.txt to C:\ADSM\Config;
- Edit A:\dsm.opt making sure the TCPServerAddress reflects recovery server address, and nodename =servername. Copy file to C:\ADSM\Baclient directory, replacing existing file.
- Edit A:\Dsmserv.opt file making sure the VOLHISTORY and DEVCONFIG paths are correct. Comment out the following lines with an asterisk:

```
*VOLHISTORY e:\adsm\config\volhist.txt  
*VOLHISTORY f:\adsm\config\volhist.txt  
*DEVCONFIG e:\adsm\config\devcnfg.txt  
*DEVCONFIG f:\adsm\config\devcnfg.txt  
acslockdrive no  
acsquickinit no  
acsquickinit Yes  
acsaccessid hqsuad01
```

Enable the following lines by removing the preceding asterisk, If these lines do not exist, add them:

```
nomigrrecl  
disablescheds yes  
expinterval 0
```

- **If you installed the device driver shipped with NT remove it at this time and reboot.** Open TSM Server Utilities and start the TSM Device Driver.
- Obtain Planfile printout from copypool box and compare copypool inventory against planfile list under RECOVERY.VOLUMES.REQUIRED stanza. Circle any volumes on the list that are not in the box.
- Copy A:\Rexx.exe to C:\ADSM\Server.

- Break Out PlanFile: From Dos command line run the following command:
Rexx planexpl.rex C:\ADSM\DRM\PlanFile\Planfilename

Verify success of command by looking in above directory for files correspondig to Planfile Stanzas.

- Open TSM Server Utilities to make sure Server1 Service is NOT running.
- Refer to PlanFile RECOVERY.SCRIPT.DISASTER.RECOVERY.MODE stanza to perform the following:
- Initialize the log and database files. Navigate to and execute the LOGANDDDB.VOLUMES.INSTALL.CMD file in the ADSM\DRM\PlanFile directory. Verify all logs and db volumes specified in the LOG.VOLUMES and DB.VOLUMES stanzas were created.

2. Restore TSM database

From a DOS command prompt navigate to the C:\ADSM\Server directory and run the following command: DSMServe restore db todate=today source=dbb preview=yes

This command will display tape volume required for restore. Make sure the required volumes are available. Insert Volume in drive.

From a DOS command prompt run: DSMServe restore db todate=today source=dbb

3. Update Library and Deviceclass for newly restored database

Once the database has been restored, the Library, device class and drives must be configured for a manual library type. Open TSM Server Utilities, log in using the production administrative username and password. From Admin Command line tab enter the following commands:

```
Define Library ManLib1 type=manual
Update devclass 9840cls Library=ManLib1 mountlimit=1
Delete drive 9310lib Drive1
Define drive ManLib1 Drive1 device=mtx.a.b.c
Delete drive 9310Lib Drive2
Delete drive 9310Lib Drive3
Delete drive 9310Lib Drive4
Define drive ManLib1 Drive1 device=mtx.a.b.c (Same as previous
definition)
```

4. Start TSM Server

Open TSM server Utilities and Start the TSM Server1 Service.

5. Update Licenses

Copy dsm.opt file from the floppy stored in the corypool box to C:\adsm\baclient. Start TSM admin command line by executing dsmadm.exe or opening the TSM Server Utilities and go to the command line tab. Run the commands specified in the LICENSE.REGISTRATION stanza of the PlanFile. Run Q License to verify

that the Server License Compliance state is Valid. If there is a problem opening the TSM admin command line, check the settings in the dsm.opt file.

6. Compare volumes against inventory list, mark volumes unavailable

Compare volume in cypool box with those listed in CopyStgPool.Volumes.Available Stanza of Planfile. Mark any volumes on list that are **not** present in the box as unavailable by running the following command:
Update Volume 000xxx acc=unavailable wherestg=cypoolx

7. Mark volumes in cypool as available

Run the following command on all volumes in the cypool box:
Upd volume 000xxx acc=reado wherestg=cypoolx.

8. Mark Primary volumes destroyed

Execute commands in the Primary.Volumes.Destroyed stanza. This will mark volumes as destroyed so that TSM can restore them from the Cypool. You may need to execute commands individually.

9. Create replacement disk Volumes

Edit the Primary.Volumes.Replacement.Create script by removing the ampersand @ from the volume name. Execute the C:\ADSM\DRM\PlanPrefix\Primary.Volumes.Replacement.Create script. Verify that the volumes were created and are the proper size.

10. Assign Disk Volumes to Disk pool called "Backuppool"

Use the following command: def volume Backuppool E:\data\datavol.x
acc=readw

11. Restore DiskPool from Tape

Before running the restore operation, make sure status of tapes to be used for restore is **readonly** by running the following command: q Vol * stg=cypoolx
f=d

If necessary, update the **acc** parameter to **reado** for any volumes not in a state of readonly.

Execute both of the following commands to Restore diskpool:

Restore stg backuppool

Allow this command to complete before executing the next. You may receive a message: no data to restore. This means that the data was migrated to the tape pool before the dbbackup occurred.

12. Configure Client Machine

Install OS and configure client to network upon which the server resides.

Install TSM 3.7.3 Client version on target client machine. Copy the dsm.opt file from the diskette stored in the copy pool box, or edit the C:\Adsm\baclient\dsm.opt file for the client as necessary.

Make sure the following settings are correct:

- Include/Exclude paths (applicable to machine configuration)

- TCPServerAddress

- Errorlogname (make sure path and file exist- create a text file if necessary)

- Nodename

13. Perform Client restore.

Launch TSM Backup application from client and perform a client restore. Once restore is complete test for existence of restored files.

Attachment 3 - ADAMS Recovery Requirements Service Requirements

A disaster recovery facility as described in Disaster Recovery Services," is available to the NRC within [48] hours of disaster declaration.

The ADAMS Main Library is restored with the functionality described in this attachment at the recovery facility within [48] hours of disaster declaration by the NRC.

A remote recovery work area as described in Disaster Recovery Services," is available to the NRC within [48] hours of disaster declaration. For testing purposes, two (2) workstations with all equipment must be available.

The numbers of documents, folders, and packages that were present when the backup used to restore the Main Library was run, exactly matches the numbers on the restored Main Library at the backup facility.

At the time of each backup, NRC will capture the following data for each ADAMS library and maintain the data with the backup media:

- Total number of documents
- Total number of ADAMS Packages
- Total number of root level folders
- Total number of documents declared as Official Agency Records (the property Official Record?=Yes)
- Total number of ADAMS Packages declared as Official Agency Records (the property Official Record?=Yes)

Functional Requirements

Upon disaster declaration and system recovery the following ADAMS functionality will be available for the ADAMS Main Library:

- Read only access** to all documents, folders, packages, and metadata in the ADAMS Main Library
- Ability to use ADAMS Simple and Advanced Find to search on all custom and system metadata (properties)
- Ability to use ADAMS Simple and Advanced Find to search on full-text of documents (when full-text searching is enabled)
- Ability to View on screen any document using the ADAMS Viewer
- Ability to View on screen the contents of any ADAMS Package
- Ability to print to paper any document or selected pages of a document
- Ability to create and print to paper bibliographies using ADAMS Create Report. Note: Requires the use of Corel WordPerfect 8.0.

ATTACHMENT 4
General Services Administration (GSA)
Federal Computer Acquisition Center (FEDCAC)
Interagency Agreement
With the U.S. Nuclear Regulatory Commission

Terms and Conditions

This document constitutes the Interagency Agreement (IA) portion of an overall agreement between FEDCAC and the client, which governs their relationship in work to be performed by FEDCAC for the client. The IA identifies the client's bona fide need.

1.1 Amendment of Agreement

This IA can only be modified by mutual agreement between FEDCAC and the client in the form of a formal Interagency Agreement Amendment (IAA). When Amendments are issued, all outstanding Project Element Plans (PEPs) issued under the original IA will continue in force unless explicitly canceled or modified by the amended IA or by Project Element Change Notices (PECNs).

1.2 Project Element Plans

The specifics of the work to be performed under this Agreement to meet the client's identified requirement(s) are contained in one or more Project Element Plans (PEPs) issued under this IA. Each PEP will include detailed specification of key deliverables (e.g., reports, supplies and/or services) to be provided by FEDCAC; schedule for deliverables and for other critical milestones of significance to the client; total estimated cost for each PEP; specification of materials, data, and other forms of support from the client required by FEDCAC; and security requirements.

All PEPs that are or become part of this Agreement are in support of the requirements in Section 1 and are subject to the limitations in scope identified in Section 1. PEP No. 1 is incorporated as part of the IA. PEP No. 1 includes the 1/2% contract access fee. PEP No. 2 identifies FEDCAC's technical, contracting and management support services to implement and maintain the required disaster recovery services. PEP No. 3 specifies the disaster recovery services that shall be provided by FEDCAC's contractor.

1.3 Project Element Change Notices

A Project Element Change Notice (PECN) will be required to change the Statement of Work and to revise cost estimates. In no case will a PECN that is outside the scope of the requirements established in this IA be issued.

1.4 Contractor Support

FEDCAC has contracts with contractors to support FEDCAC's clients. FEDCAC will assume full responsibility for (FEDCAC may require client assistance and participation):

- Awarding and administering all contracts/delivery orders/task orders issued to contractors.
- Directing and monitoring the contractor's work, providing technical assistance and advice to the contractor, attending status meetings, and conducting detailed reviews of all deliverables.

1.5 Procurement Sensitivity

The client understands that the contents of this IA, related IAAs, PEPs, and PECNs may be **procurement sensitive** and certifies that (1) the contents of this IA, related IAAs, PEPs, and PECNs will not be disclosed, published, divulged, released, or made known, in any manner or to any extent, to any individual other than an appropriate or authorized Government employee, and (2) such contents will be handled under the client's directives and policies governing the disclosure of **procurement sensitive** information.

1.6 Confidentiality and Freedom of Information Act Requests

FEDCAC's policy is to maintain strict confidentiality with its clients. The fact that an agreement has been executed between FEDCAC and a client and the general requirements and objectives addressed in that agreement are considered public information. FEDCAC's position regarding the Freedom of Information Act (FOIA) requests made to FEDCAC is:

- FEDCAC will not release, to outside parties, reports or other documents produced as deliverables under our Agreement with the client. Instead, we will refer such requests to the agency with which we have the Agreement. We believe that referring the request to client agencies significantly improves the ability of the Government to determine releasability.
- FEDCAC will release copies of agreements between FEDCAC and the client agency, but will delete dollar amounts and any specific task descriptions that could provide a private firm an unfair competitive advantage.

1.7 Security

FEDCAC personnel and contractors assigned to this project may require access to classified information as indicated in each PEP. The client must identify classified or other special security requirements as early as possible to enable coordination with appropriate security offices.

1.8 Funding

1.8.1 Information Technology Fund

FEDCAC derives its financing from the Information Technology Fund, a revolving fund established under the authority of 40 U.S.C. 757. 40 U.S.C. 757 rather than the Economy Act governs payments for FEDCAC services under this Agreement. The existence of a defined requirement (bona fide need) at the time this IA is executed forms the basis for the incurring and recording of a financial obligation on the part of the client. This obligation remains in force across fiscal year boundaries until the specified services are delivered, the Agreement is rescinded by the signatories, or the funds are canceled as defined in 31 U.S.C. 1552(a), i.e., at the end of the fifth fiscal year after the date of financial obligation. The funds so obligated by the client do not have to be deobligated at the end of a fiscal year as they would have been if subject to the Economy Act. The client should ensure that any financial obligation incurred under this Agreement is properly recorded so that the funds are available to pay for FEDCAC services for the duration of this Agreement. The client shall not deobligate unilaterally the obligated funds.

1.8.2 Agreement Charges

All FEDCAC work and travel will be performed on a cost reimbursable basis. Accumulated personnel time will be billed monthly at the hourly rates in effect at the time the hours are worked. All project-related contractor expenses will be billed at actual cost, plus a 1/2% contract access fee. FEDCAC may assess a monthly maintenance fee to cover the cost of financial administration of this project. FEDCAC may incur expenses in support of this Agreement before its execution. The client's signature of this IA constitutes authorization of such expenses.

1.8.3 Contract Protests and Resolicitation Costs

The client agrees to reimburse the GSA Information Technology Fund for reasonable costs incurred by FEDCAC in support of any and all protests and resolicitation costs resulting from acquisitions conducted on the client's behalf.

1.8.4 Termination Costs

The client agrees to reimburse the GSA Information Technology Fund for any and all termination costs determined by FEDCAC to be reasonable, allowable, and applicable in accordance with the Federal Acquisition Regulations (FAR) and paid to the terminated contractor(s); and, any and all administrative costs incurred by FEDCAC in implementing the termination(s) in the event it becomes necessary to terminate, by reason of Default or Convenience to the Government, any contract awarded or delivery order issued by FEDCAC as a result of this Agreement.

1.8.5 Delay/Cancellation Charges

Should it be necessary for the client to cancel this Agreement, either in its entirety or in part, or should the client request that work already scheduled by FEDCAC under an existing PEP be deferred, FEDCAC is authorized to bill the client for:

- Any direct costs already incurred by FEDCAC in support of this Agreement which cannot be similarly canceled or deferred (e.g., contracts for vendor services).
- The time planned for analyst support that cannot be rescheduled for other projects, up to a maximum of 40 hours.

Such notification must be received in writing before FEDCAC management will take action to discontinue or defer support to an active client project.

1.8.6 Billing Procedure

FEDCAC's standard billing procedure is to submit a monthly billing request to the GSA Office of Finance. The Accounts Receivable Branch of the GSA Office of Finance will bill the client. These billings must be paid promptly as rendered, without pre-audit or receipt verification (FPMR 101-2.105). Any discrepancies noted after payment will be adjusted on subsequent billings.