



## **Cost Proposal**

**To**

**United States Nuclear Regulatory Commission**

**For**

**Revised Request for Proposal (RFP) No. RS-AED-00-300**

**Emergency Response Data System (ERDS) Maintenance**

**2000 - 2003, Plus Two Optional Years**

**Revision 0**

**SCIENTECH Proposal Number 99000-0001-055**

**January 3, 2000**

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## 1. Introduction

SCIENTECH, Inc., is pleased to submit this Cost Proposal in response to U. S. Nuclear Regulatory Commission Request for Proposal No. RS-AED-00-300 entitled "Emergency Response Data System (ERDS) Maintenance" dated December 3, 1999 and revised December 22, 1999. Additional reference is made to the letters of December 28, 1999 and December 30, 1999 relative to the Request for Proposal.

As with most corporations, SCIENTECH, Inc. is a synthesis of several companies as well as internally developed capability. SCIENTECH, Inc., acquired NUS in 1996. The Real Time Systems Group (RTSG) at SCIENTECH, Inc. under the company's Generation Services Profit Center has provided (and continues to provide) solid technical support for the USNRC ERDS since completion of the original ERDS installation in 1990. Members of the original implementation team are still employed by SCIENTECH and as such SCIENTECH has an in-depth institutional knowledge of the ERDS.

This proposal is for the maintenance of the ERDS hardware and software. It is being offered on a fixed price and labor hour basis in accordance with revised Request for Proposal dated December 22, 1999.

This proposal addresses Solicitation for Commercial Items, CLIN pricing, organizational conflict of interest and Offeror Representations and Certifications.

## **2. SF 1449 Solicitation/Contract/Order for Commercial Items**

The attached SF 1449, Solicitation/Contract/Order for Commercial Items and the supporting Cost Estimate by CLIN have been prepared for a Fixed Price and Labor Hour type of contract.

### **Small Business and Small Business Subcontracting Plan**

SCIENTECH does not anticipate the requirement for any small business or subcontractor support during the performance of the work as described in Section B of the RFP. As a result, a subcontracting plan is not applicable and is not submitted as part of this proposal.

### **Points of Contact**

The following individuals are SCIENTECH's points of contact are:

Technical:	Lynne Saul SCIENTECH, Inc. 440 West Broadway Idaho Falls, Idaho (208) 524-9371
Contractual:	Martin Moore SCIENTECH, Inc. 440 West Broadway Idaho Falls, Idaho (208) 524-9379
Authorized Negotiators:	Monica Zebold, Director of Contracts SCIENTECH, Inc. (858) 794-1457
	Doug Knight, Director of Administration SCIENTECH, Inc. (301) 258-2410

### **SCIENTECH Accounting System**

SCIENTECH's accounting system is capable of tracking costs by task order in accordance with FAR 16.301-3(a) as determined by DCAA. SCIENTECH's accounting system is described below.

SCIENTECH's accounting and management information system (JAMIS) was developed specifically for the Government contract environment including FAR and CAS compliance. Numerous government contractors use the JAMIS-based accounting system. The accounting

system, which provides accurate and timely job-cost and financial information, is designed to track all contract costs, indirect expense pools, and unallowable costs

The JAMIS system provides for cost allocation to multiple levels of tasks and sub tasks normally associated with a work-breakdown structure. Unallowable costs are segregated from allowable costs and neither billed nor included in indirect pools.

The JAMIS system provides a high level of integrity in handling and tracking labor hours and costs, purchase orders, indirect expense allocation, and job-specific direct costs including travel and subcontractor/consultant charges. All time and costs entered into the JAMIS system are assigned or allocated to specific, identifiable cost accounts.

Employees are expected to track and record their time by cost account number on a daily basis. Electronic time sheets are submitted weekly to the corporate office after review and approval by the individual employee's supervisor. The system processes the time sheet information into both the payroll and job cost modules. Payroll is processed centrally at the corporate headquarters. Paychecks are distributed to employees' bi-weekly and reflect earnings for the previous bi-weekly period. (i.e. there is approximately a one-week processing, lag time for payroll checks.)

Approved vendor and subcontractor/consultant invoices are processed through the purchasing and accounts payable modules. The JAMIS system generates an Accounts Payable Aging report for pre-payment review and selects and processes invoices for payment based on invoice due date thereby, assisting in assuring vendors and consultants are paid in a timely manner consistent with agreed upon terms.

All contract billings are generated by the JAMIS system directly from the cost information entered into the system. The JAMIS system provides for periodic cost reporting to and project managers based on actual and negotiated costs. Supporting schedules detailing labor, other direct costs, and indirect pool allocations are generated for management review.

In addition, JAMIS provides for budgeting by cost element and provides monthly variance reporting capabilities for both direct and indirect costs.

**Cognizant Government Agencies**

SCIENTECH's cognizant Defense Contract Audit Agency representative is:

Defense Contract Audit Agency, Western Region  
Seattle Branch Office, Boise Sub-office  
Mr. Michael Zohner  
Phone: (208) 334-1451  
Federal Building U.S. Courthouse  
Room 395 MSC Box 36  
550 West Fort Street  
Boise, Idaho 83724

SCIENTECH's cognizant government Administrative Contract Office is:

U.S. Department of Energy  
Albuquerque Operations Office  
Albuquerque Financial Service Center  
P.O. Box 5400  
Albuquerque, New Mexico 87115  
Attn.: Mr Herman Smith, Cognizant Contracting Officer

**Summary of Cost Data**

SCIENTECH has prepared its cost estimate based on an award date and contract performance to begin January 18, 2000. Costing information for Section B.1 CLINs 0001 – 0025 is attached.

**Travel**

Travel costs for CLIN 0007 are based on the January 1, 2000 Federal Travel Regulations for lodging and M&IE costs and are specified for a meeting at the NRC Headquarters to be held in accordance with section B.13, Meetings and Travel. Costs quoted are based on this meeting being held no later than February 29, 2000. Any change to this date could result in additional costs to the NRC.

Travel costs for CLIN 0008 are based on the January 1, 2000 Federal Travel Regulations for lodging and M&IE costs and in accordance with Section B.13. However, due to no definite schedule for the training provided in the RFP, actual airfare, automobile and other miscellaneous costs are estimates only for the travel to be performed during the 3 year base period. More detailed travel estimates will be made available based on quoted airfare and other travel and FTR rates in effect at the time of training schedule definitization.

In all travel arrangements, every effort will be made to secure the lowest possible refundable coach class air fare. However, meeting or training schedule changes, or other factors beyond SCIENTECH's control could result in additional costs to be the responsibility of the NRC.

All travel costs are proposed in accordance with the FTR of January 1, 2000. Due to the base contract 3 year period and additional 2 years as Options resulting in a five year contract duration as defined in Section C.7, and the unavailability of FTR information for that duration, travel costs are estimates only.

All proposed travel costs include appropriate commercial burdens and thus will be invoiced monthly at cost plus 5%.

### **Labor**

As previously stated to the NRC (reference SCIENTECH's December 10, 1999 letter), personnel performing the ERDS Maintenance work from the Real Time Systems Group (RTSG) at SCIENTECH are being transferred to SCIENTECH's NUSIS division effective February 1, 2000. This division performs work almost exclusively for commercial clients and performs services on a Time and Materials utilizing commercial rate structures. As such, fixed hourly rates for CLINs 0009, 0017 and 0025 are based on commercial labor rates with escalation each year per DRI escalation. As such, no price or cost data is provided.

### **Terms of Payment**

Terms of payment are net thirty (30) days from the date on the invoice via the ACH payment processing. Attached is the SF 3881 ACH Vendor/ Miscellaneous Payment Enrollment Form as signed by our financial institution.

### **Billing Schedule**

Labor CLINS will be invoiced to the NRC on a monthly basis as labor hours are incurred. Materials, and ODCs will be invoiced to the NRC monthly on a prorated basis for the duration of the applicable CLIN. Travel will be invoiced to the NRC in the month travel costs are incurred.

### **Option Years 1 and 2**

As noted on the enclosed price schedule prices other than labor, for Option Years 1 and 2 are not submitted due to vendor quotes not being available at submission time. Should the NRC wish to exercise Option Years 1 and 2, pricing will be provided upon request as the execution date of the Option periods approach.

### **3. Cost Estimate by CLIN**



PRICE/COST SCHEDULE

Contract Years 1 through 3 (January 18, 2000 - January 17, 2003)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq	3	years	\$ 9,107	\$ 27,320
1.b	Software Maintenance - Process Software	3	years	\$ 2,070	\$ 6,211
	TOTAL - Software Maintenance				\$ 33,531
2	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (2)	3	years	\$ 3,056	\$ 9,168
3	Other Hardware Maintenance VT320 System Consoles with attached LA- 75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	3	years		\$ 10,489
4	Equipment Rental for Development System	36	months	\$ 394	\$ 14,168
5	Telephone Service Charges Monthly Service Long Distance	36	months	\$ 530	\$ 19,068
5.a	Pager	3	years	\$ 160	\$ 479
5.b	Shipping	36	months	\$ 21	\$ 739
6	Plant Modem Maintenance	36	each	\$ 175	\$ 6,283
7	deleted				\$ -
8	Training Costs				
	NRC Headquarters	12	sessions	\$ 102	\$ 1,225
	Region I	3	sessions	\$ 102	\$ 306
	Region II	3	sessions	\$ 102	\$ 306
	Region III	3	sessions	\$ 102	\$ 306
	Region IV	3	sessions	\$ 102	\$ 306
	TTC	3	sessions	\$ 102	\$ 306

TOTAL Training Costs

\$ 2,757

Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping

# 8.a Travel

NRC Headquarters	13	trips	\$	2,646	\$	34,404
Region I	3	trips	\$	2,430	\$	7,289
Region II	3	trips	\$	2,458	\$	7,375
Region III	3	trips	\$	2,715	\$	8,145
Region IV	3	trips	\$	2,344	\$	7,033
TTC	3	trips	\$	2,196	\$	6,588
Total Travel					\$	70,833

# 9.a Labor Category - Year 1

Project Manager	350	hours	\$	112	\$	39,054
Lead Software Engineer	1500	hours	\$	106	\$	159,368
Software Engineer*	1000	hours	\$	97	\$	97,428
Engineer 36			\$	129		
Engineer 35			\$	119		
Engineer 34			\$	110		
Engineer 33			\$	101		
Engineer 32			\$	93		
Engineer 31			\$	86		
Engineer 30			\$	79		
Hardware Engineer	80	hours	\$	97	\$	7,794
Administrative Support	75	hours	\$	47	\$	3,559
Graphic Designer	125	hours	\$	53	\$	6,633
Technical Editor	75	hours	\$	83	\$	6,218

TOTAL Estimated Labor - Year 1 3205 \$ 320,054

\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

# 9.b Labor Category - Year 2

Project Manager	350	hours	\$	115	\$	40,268.99
Lead Software Engineer	1500	hours	\$	110	\$	164,324
Software Engineer*	1000	hours	\$	100	\$	100,458
Engineer 36			\$	133		
Engineer 35			\$	123		
Engineer 34			\$	114		
Engineer 33			\$	104		
Engineer 32			\$	96		
Engineer 31			\$	88		
Engineer 30			\$	81		
Hardware Engineer*	80	hours	\$	100	\$	8,037
Administrative Support	75	hours	\$	49	\$	3,670
Graphic Designer	125	hours	\$	58	\$	7,296
Technical Editor	75	hours	\$	83	\$	6,218

TOTAL Estimated Labor - Year 2 3205 \$ 330,271

9.c Labor Category - Year 3

Project Manager	350	hours	\$	119	\$	41,521
Lead Software Engineer	1500	hours	\$	113	\$	169,435
Software Engineer*	1000	hours	\$	104	\$	103,582
Engineer 36			\$	137		
Engineer 35			\$	127		
Engineer 34			\$	117		
Engineer 33			\$	107		
Engineer 32			\$	99		
Engineer 31			\$	91		
Engineer 30			\$	84		
Hardware Engineer	80	hours	\$	104	\$	8,287
Administrative Support	75	hours	\$	50	\$	3,784
Graphic Designer	125	hours	\$	64	\$	8,026
Technical Editor	75	hours	\$	88	\$	6,610
TOTAL Estimated Labor - Year 3	3205				\$	341,245
TOTAL Estimated Labor	9615				\$	991,570

PRICE/COST SCHEDULE

Option Year 1 (January 18, 2003 - January 17, 2004) - No fixed price options are bid for option year 1 because of inability to obtain quotes from vendors.

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
10.a	Software Maintenance - Compaq	12	months	\$	-
10.b	Software Maintenance - Process Software	12	months	\$	-
	TOTAL - Software Maintenance			\$	-
11	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (2)	12	months	\$	-
12	Other Hardware Maintenance VT320 System Consoles with attached LA- 75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	12	months	\$	-
13	Equipment Rental for Development System	12	months	\$	-
14	Telephone Service Charges Monthly Service Long Distance	12	months	\$	-
14.a	Pager	12	months	\$	-

15 Plant Modem Maintenance	12	each	\$	-
16 Training Travel				
NRC Headquarters	4	sessions	\$	-
Region I	1	sessions	\$	-
Region II	1	sessions	\$	-
Region III	1	sessions	\$	-
Region IV	1	sessions	\$	-
TOTAL Training Travel			\$	-
17 Labor Category				
Project Manager	350	hours	\$ 122	\$ 42,813
Lead Software Engineer	1500	hours	\$ 116	\$ 174,704
Software Engineer*	1000	hours	\$ 107	\$ 106,804
Engineer 36			\$ 141	
Engineer 35			\$ 131	
Engineer 34			\$ 121	
Engineer 33			\$ 111	
Engineer 32			\$ 102	
Engineer 31			\$ 94	
Engineer 30			\$ 87	
Hardware Engineer	80	hours	\$ 107	\$ 8,544
Administrative Support	75	hours	\$ 52	\$ 3,901
Graphic Designer	125	hours	\$ 71	\$ 8,829
Technical Editor	75	hours	\$ 91	\$ 6,816
TOTAL Estimated Labor			\$	352,410

#### PRICE/COST SCHEDULE

Option Year 2 (January 18, 2004 - January 17, 2005) - - No fixed price options are bid for option year 2 because of inability to obtain quotes from vendors.

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
18.a	Software Maintenance - Compaq	12	months	\$	-
18.b	Software Maintenance - Process Software	12	months	\$	-
	TOTAL - Software Maintenance			\$	-
19	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (2)	12	months	\$	-
20	Other Hardware Maintenance VT320 System Consoles with attached LA- 75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	12	months	\$	-

21 Equipment Rental for Development System	12	months	\$	-
22 Telephone Service Charges	12	months	\$	-
Monthly Service				
Long Distance				
22.a Pager	12	months	\$	-
23 Plant Modem Maintenance	12	each	\$	-
24 Training Travel				
NRC Headquarters	4	sessions	\$	-
Region I	1	sessions	\$	-
Region II	1	sessions	\$	-
Region III	1	sessions	\$	-
Region IV	1	sessions	\$	-
TOTAL Training Travel			\$	-
25 Labor Category				
Project Manager	350	hours	\$	126 \$ 44,144
Lead Software Engineer	1500	hours	\$	120 \$ 180,137
Software Engineer*	1000	hours	\$	110 \$ 110,125
Engineer 36			\$	145
Engineer 35			\$	135
Engineer 34			\$	125
Engineer 33			\$	114
Engineer 32			\$	105
Engineer 31			\$	97
Engineer 30			\$	89
Hardware Engineer*	80	hours	\$	110 \$ 8,810
Administrative Support	75	hours	\$	54 \$ 4,023
Graphic Designer	125	hours	\$	78 \$ 9,711
Technical Editor	75	hours	\$	94 \$ 7,028
TOTAL Estimated Labor			\$	363,979

#### 4. Organizational Conflict of Interest

ERDS was originally developed and delivered by EI International, Inc. EI was purchased by NUS in 1990 and the contract was novated to NUS. In 1995 an ERDS maintenance contract was awarded to NUS. NUS was purchased by SCIENTECH, Inc. in 1996 and the maintenance contract was novated to SCIENTECH. EI and NUS did commercial work for utilities that involved writing the utilities' ERDS send software. SCIENTECH does not have the records for those contracts so precise dates and amounts cannot be provided. However, the utilities for whom EI or NUS wrote ERDS send software are listed below.

Omaha Public Power District – Fort Calhoun Plant

Houston Lighting and Power – South Texas Project 1 and 2

Arizona Public Service – Palo Verde 1, 2 and 3

Florida Power and Light – Turkey Point Nuclear 3 and 4

Duquesne Power and Light – Beaver Valley 1 and 2

Vermont Yankee – Vermont Yankee Nuclear Power Plant

SCIENTECH has sold copies of the R\*TIME/WIN software to the following states or agencies/ departments within the referenced state government. R\*TIME/WIN is a commercial software package used to view ERDS data from the user's PC.

State	Description	Price	Contract Date
Iowa	R*TIME/WIN, V 2.6	\$995	12/28/99
Louisiana	R*TIME/WIN, V 2.6	\$995	11/30/99
Tennessee	R*TIME/WIN, V 2.6	\$995	7/31/99
New York	R*TIME/WIN, V 2.6	\$995	4/15/99
Massachusetts	R*TIME/WIN, V 2.6	\$995	3/8/99
Washington	R*TIME/WIN, V 2.6	\$995	2/5/99
Kansas	R*TIME/WIN, V 2.6 – 2 copies	\$1,990	2/4/99
Maryland	R*TIME/WIN, V 1.3.3 and 2.x upgrade	\$995	11/30/98

New Jersey	R*TIME/WIN, V 1.3.3 and 2.x upgrade	\$1,790	9/22/98
Arizona	R*TIME/WIN, V 1.3.3	\$995	8/23/98
South Carolina	R*TIME/WIN, V 1.3.3	\$995	6/30/98
Michigan	R*TIME/WIN, V 1.3.3	\$495	5/14/98
Georgia	R*TIME/WIN, V 1.3.3	\$495	9/16/97
Ohio	R*TIME/WIN, V 1.3.3	\$495	2/17/97
Pennsylvania	R*TIME/WIN, V 1.3.3 plus upgrade to 2.x	\$895	12/15/97

SCIENTECH currently has one contract in place to write ERDS send software. This contract is with Northeast Utilities and was issued on a time and materials basis with a not to exceed amount of \$50,000. The contract was awarded on 10/26/99 and is expected to be completed in the first quarter of 2000. The scope of work is as follows: "Provide professional services, including travel expenses, to develop ERDS send software in support of the OFIS/ERDS Upgrade project. Scope includes development at their company and installation work at Millstone Point facility. Services, rates and travel expenses reimbursements shall be in accordance with existing terms between companies." Northeast Utilities is a long-term customer of SCIENTECH/NUS/EI. EI originally installed the plant process computer system at Millstone in the 1980s. NUS won a contract to perform an upgrade on that system in 1994. Since delivery of the upgraded system, SCIENTECH has continued to work with Northeast Utilities providing software services and maintenance for the system. Northeast Utilities asked SCIENTECH to prepare an estimate to perform the ERDS send software work, SCIENTECH did not solicit or market Northeast Utilities to perform this work.

## **5. Offeror Representations and Certifications- Commercial Items**

Submission of the Representations and Certification- Commercial Items as per Section E.2 are attached.



**Attachment A**

**SF 1449**

SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS				1. REQUISITION NO. 00300 - 11/09/99		PAGE 1 OF 1	
2. CONTRACT NO.		3. AWARD/EFFECTIVE DATE		4. ORDER NO.		5. SOLICITATION NO. RS-AED-00-300	
7. FOR SOLICITATION INFORMATION CALL:		a. NAME Brenda J. DuBose		(301) b. TELEPHONE NO. (No Collect Calls) 415-6578		6. SOLICITATION ISSUE D- Reissued: 12/22/9	
9. ISSUED BY		CODE		10. THIS ACQUISITION IS		11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED	
U.S. Nuclear Regulatory Commission Division of Contracts and Property Mgt. Contract Management Branch 2 Mail Stop T-7-12 Washington DC 20555				<input type="checkbox"/> UNRESTRICTED <input type="checkbox"/> SET ASIDE: 0 % FOR <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> SMALL DISADV. BUSINESS <input type="checkbox"/> 8(A)		<input type="checkbox"/> SEE SCHEDULE <input type="checkbox"/> 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)	
				SIC: 0 SIZE STANDARD:		13b. RATING N/A	
				14. METHOD OF SOLICITATION <input type="checkbox"/> RFQ <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP			
				12. DISCOUNT TERMS N/A			
15. DELIVER TO		CODE		16. ADMINISTERED BY		CODE	
U.S. Nuclear Regulatory Commission Incident Response Center ATTN: John R. Jolicoeur Mail Stop T-4-A43 Washington DC 20555							
17a. CONTRACTOR/OFFEROR		CODE		FACILITY CODE		18a. PAYMENT WILL BE MADE BY	
SCIENETECH, Inc. 440 West Broadway Idaho Falls, Idaho 83402 DUNS 1133-95057							
TELEPHONE NO. (208) 529-1000				18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED			
<input type="checkbox"/> 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN OFFER				<input type="checkbox"/> SEE ADDENDUM			
19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES			21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
	Refer to the the Schedule of Supplies/Services reflected in the solicitation.  See attached pricing schedule.						
25. ACCOUNTING AND APPROPRIATION DATA						26. TOTAL AWARD AMOUNT (For Govt. Use Or	
<input checked="" type="checkbox"/> 27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA						<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED.	
<input type="checkbox"/> 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA						<input type="checkbox"/> ARE <input type="checkbox"/> ARE NOT ATTACHED	
28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN _____ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.				29. AWARD OF CONTRACT: REFERENCE _____ OFFER DATED _____ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN IS ACCEPTED AS TO ITEMS:			
30a. SIGNATURE OF OFFEROR/CONTRACTOR				31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)			
30b. NAME AND TITLE OF SIGNER (TYPE OR PRINT) Martin Moore Contract Admin.				31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT)			
30c. DATE SIGNED 1/3/00				31c. DATE SIGNED			
32a. QUANTITY IN COLUMN 21 HAS BEEN				33. SHIP NUMBER		34. VOUCHER NUMBER	
<input type="checkbox"/> RECEIVED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED				<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL		35. AMOUNT VERIFIED CORRECT FOR	
32b. SIGNATURE OF AUTHORIZED GOVT. REPRESENTATIVE				36. PAYMENT		37. CHECK NUMBER	
32c. DATE				<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL			
				38. S/R ACCOUNT NUMBER		39. S/R VOUCHER NUMBER	
				42a. RECEIVED BY (Print)		40. PAID BY	
41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT				42b. RECEIVED AT (Location)			
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER				42c. DATE REC'D (YY/MM/DD)		42d. TOTAL CONTAINERS	
41c. DATE							

**Attachment B**  
**Offeror Representations and Certifications**

**SECTION E - SOLICITATION PROVISIONS****E.1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY  
REFERENCE (FEB 1998)**

This solicitation incorporates one or more solicitation provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://www.arnet.gov/far>

FAR NUMBER	TITLE	DATE
52.212-1	INSTRUCTIONS TO OFFERORS--COMMERCIAL ITEMS	NOV 1999

**E.2 52.212-3 OFFEROR REPRESENTATIONS AND CERTIFICATIONS--  
COMMERCIAL ITEMS (OCT 1999)**

(a) Definitions. As used in this provision:

Emerging small business means a small business concern whose size is no greater than 50 percent of the numerical size standard for the standard industrial classification code designated.

Small business concern means a concern, including its affiliates, that is independently owned and operated, not dominant in the field of operation in which it is bidding on Government contracts, and qualified as a small business under the criteria in 13 CFR Part 121 and size standards in this solicitation.

Small disadvantaged business concern means a small business concern that--

(1) Is at least 51 percent unconditionally owned by one or more individuals who are both socially and economically disadvantaged, or a publicly owned business, having at least 51 percent of its stock unconditionally owned by one or more socially and economically disadvantaged individuals, and

(2) Has its management and daily business controlled by one or more such individuals. This term also means a small business concern that is at least 51 percent unconditionally owned by an economically disadvantaged Indian tribe or Native Hawaiian organization, or a publicly owned business having at least 51 percent of its stock unconditionally owned by one or more of these entities, which has its management and daily business controlled by members of an economically disadvantaged Indian tribe or Native Hawaiian organization and which meets the requirements of 13 CFR Part 124.

Women-owned small business concern means a small business concern--

(1) Which is at least 51 percent owned by one or more women or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and (2) Whose management and daily business operations are controlled by one or more women.

Women-owned business concern means a concern which is at least 51 percent owned by one or more women; or in the case of any publicly owned business, at least 51 percent of its stock is owned by one or more women; and whose management and daily business operations are controlled by one or more women.

(b) Taxpayer identification number (TIN) (26 U.S.C. 6050M). (1) Taxpayer Identification Number (TIN).

☒ TIN: 82-0381275.

☐ TIN has been applied for.

☐ TIN is not required because:

☐ Offeror is a nonresident alien, foreign corporation, or foreign partnership that does not have income effectively connected with the conduct of a trade or business in the U.S. and does not have an office or place of business or a fiscal paying agent in the U.S.;

☐ Offeror is an agency or instrumentality of a foreign government;

☐ Offeror is an agency or instrumentality of a Federal, state, or local government;

☐ Other. State basis. \_\_\_\_\_

(2) Corporate Status.

☐ Corporation providing medical and health care services, or engaged in the billing and collecting of payments for such services;

☒ Other corporate entity;

☐ Not a corporate entity:

☐ Sole proprietorship

☐ Partnership

☐ Hospital or extended care facility described in 26 CFR 501(c)(3) that is exempt from taxation under 26 CFR 501(a).

(3) Common Parent.

☐ Offeror is not owned or controlled by a common parent.

Name and TIN of common parent:

Name-----

TIN-----

(c) Offerors must complete the following representations when the resulting contract is to be performed inside the United States, its territories or possessions, Puerto Rico, the Trust Territory of the Pacific Islands, or the District of Columbia. Check all that apply.

(1) Small business concern. The offeror represents as part of its offer that it ☐ is, ☒ is not a small business concern.

(2) Small disadvantaged business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents, for general statistical purposes, that it ☐ is, ☐ is not a small disadvantaged business concern as defined in 13 CFR 124.1002.

(3) Women-owned small business concern. [Complete only if the offeror represented itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is, ☐ is not a women-owned small business concern.

Note: Complete paragraphs (c)(4) and (c)(5) only if this solicitation is expected to exceed the simplified acquisition threshold.

(4) Women-owned business concern (other than small business concern). [Complete only if the offeror is a women-owned business concern and did not represent itself as a small business concern in paragraph (c)(1) of this provision.] The offeror represents that it ☐ is a women-owned business concern.

(5) Tie bid priority for labor surplus area concerns. If this is an invitation for bid, small business offerors may identify the labor surplus areas in which costs to be incurred on account of manufacturing or production (by offeror or first-tier subcontractors) amount to more than 50 percent of the contract price:

(6) Small Business Size for the Small Business Competitiveness Demonstration Program and for the Targeted Industry Categories under the Small Business Competitiveness Demonstration Program. [Complete only if the offeror has represented itself to be a small business concern under the size standards for this solicitation.]

(i) (Complete only for solicitations indicated in an addendum as being set-aside for emerging small businesses in one of the four designated industry groups (DIGs).) The offeror represents as part of its offer that it ☐ is, ☐ is not an emerging small business.

(ii) (Complete only for solicitations indicated in an addendum as being for one of the targeted industry categories (TICs) or four designated industry groups (DIGs).) Offeror represents as follows:

(A) Offeror's number of employees for the past 12 months (check the Employees column if size standard stated in the solicitation is expressed in terms of number of employees); or

(B) Offeror's average annual gross revenue for the last 3 fiscal years (check the Average Annual Gross Number of Revenues column if size standard stated in the solicitation is expressed in terms of annual receipts)

(Check one of the following):

Number of Employees	Average Annual Gross Revenues
<input type="checkbox"/> 50 or fewer	<input type="checkbox"/> \$1 million or less
<input type="checkbox"/> 51-100	<input type="checkbox"/> \$1,000,001-\$2 million
<input type="checkbox"/> 101-250	<input type="checkbox"/> \$2,000,001-\$3.5 million
<input type="checkbox"/> 251-500	<input type="checkbox"/> \$3,500,001-\$5 million
<input type="checkbox"/> 501-750	<input type="checkbox"/> \$5,000,001-\$10 million
<input type="checkbox"/> 751-1,000	<input type="checkbox"/> \$10,000,001-\$17 million
<input type="checkbox"/> Over 1,000	<input type="checkbox"/> Over \$17 million

(7) (Complete only if the solicitation contains the clause at FAR 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns, or FAR 52.219-25, Small Disadvantaged Business Participation Program--Disadvantaged Status and Reporting, and the offeror desires a benefit based on its disadvantaged status.)

(i) General. The offeror represents that either--

(A) It ☐ is, ☐ is not certified by the Small Business Administration as a small disadvantaged business concern and identified, on the date of this representation, as a certified small

disadvantaged business concern in the database maintained by the Small Business Administration (PRO-Net), and that no material change in disadvantaged ownership and control has occurred since its certification, and, where the concern is owned by one or more individuals claiming disadvantaged status, the net worth of each individual upon whom the certification is based does not exceed \$750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); or

(B) It ☐ has, ☐ has not submitted a completed application to the Small Business Administration or a Private Certifier to be certified as a small disadvantaged business concern in accordance with 13 CFR 124, Subpart B, and a decision on that application is pending, and that no material change in disadvantaged ownership and control has occurred since its application was submitted.

(ii) Joint Ventures under the Price Evaluation Adjustment for Small Disadvantaged Business Concerns. The offeror represents, as part of its offer, that it is a joint venture that complies with the requirements in 13 CFR 124.1002(f) and that the representation in paragraph (c)(7)(i) of this provision is accurate for the small disadvantaged business concern that is participating in the joint venture. [The offeror shall enter the name of the small disadvantaged business concern that is participating in the joint venture: \_\_\_\_\_.]

(iii) Address. The offeror represents that its address ☐ is, ☐ is not in a region for which a small disadvantaged business procurement mechanism is authorized and its address has not changed since its certification as a small disadvantaged business concern or submission of its application for certification. The list of authorized small disadvantaged business procurement mechanisms and regions is posted at <http://www.arnet.gov/References/sdbadjustments.htm>. The offeror shall use the list in effect on the date of this solicitation. "Address," as used in this provision, means the address of the offeror as listed on the Small Business Administration's register of small disadvantaged business concerns or the address on the completed application that the concern has submitted to the Small Business Administration or a Private Certifier in accordance with 13 CFR part 124, subpart B. For joint ventures, "address" refers to the address of the small disadvantaged business concern that is participating in the joint venture.

(d) Representations required to implement provisions of Executive Order 11246--

(1) Previous Contracts and Compliance. The offeror represents that--

(i) It ☒ has, ☐ has not participated in a previous contract or subcontract subject to the Equal Opportunity clause of this solicitation; and

(ii) It ☒ has, ☐ has not filed all required compliance reports.



## (2) Affirmative Action Compliance. The offeror represents that--

(i) It ☒ has developed and has on file, ☐ has not developed and does not have on file, at each establishment, affirmative action programs required by rules and regulations of the Secretary of Labor (41 CFR parts 60-1 and 60-2), or

(ii) It ☐ has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor.

(e) Certification Regarding Payments to Influence Federal Transactions (31 U.S.C. 1352). (Applies only if the contract is expected to exceed \$100,000.) By submission of its offer, the offeror certifies to the best of its knowledge and belief that no Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress or an employee of a Member of Congress on his or her behalf in connection with the award of any resultant contract.

(f) Buy American Act--Trade Agreements--Balance of Payments Program Certificate. (Applies only if FAR clause 52.225-9, Buy American Act--Trade Agreement--Balance of Payments Program, is included in this solicitation.)

(1) The offeror hereby certifies that each end product, except those listed in paragraph (f)(2) of this provision, is a domestic end product (as defined in the clause entitled "Buy American Act--Trade Agreements Balance of Payments Program") and that components of unknown origin have been considered to have been mined, produced, or manufactured outside the United States, a designated country, a North American Free Trade Agreement (NAFTA) country, or a Caribbean Basin country, as defined in section 25.401 of the Federal Acquisition Regulation.

## (2) Excluded End Products:

Line item No.

Country of origin

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(List as necessary)

(3) Offers will be evaluated by giving certain preferences to domestic end products, designated country end products, NAFTA

country end products, and Caribbean Basin country end products over other end products. In order to obtain these preferences in the evaluation of each excluded end product listed in paragraph (f)(2) of this provision, offerors must identify and certify below those excluded end products that are designated or NAFTA country end products, or Caribbean Basin country end products. Products that are not identified and certified below will not be deemed designated country end products, NAFTA country end products, or Caribbean Basin country end products. Offerors must certify by inserting the applicable line item numbers in the following:

(i) The offeror certifies that the following supplies qualify as "designated or NAFTA country end products" as those terms are defined in the clause entitled "Buy American Act--Trade Agreements--Balance of Payments Program:"

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(Insert line item numbers)

(ii) The offeror certifies that the following supplies qualify as "Caribbean Basin country end products" as that term is defined in the clause entitled "Buy American Act--Trade Agreements--Balance of Payments Program":

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(Insert line item numbers)

(4) Offers will be evaluated in accordance with FAR Part 25.

(g)(1) Buy American Act--North American Free Trade Agreement Implementation Act--Balance of Payments Program. (Applies only if FAR clause 52.225-21, Buy American Act--North American Free Trade Agreement Implementation Act--Balance of Payments Program, is included in this solicitation.)

(i) The offeror certifies that each end product being offered, except those listed in paragraph (g)(1)(ii) of this provision, is a domestic end product (as defined in the clause entitled "Buy American Act--North American Free Trade Agreement Implementation

Act--Balance of Payments Program," and that components of unknown origin have been considered to have been mined, produced, or manufactured outside the United States.

(ii) Excluded End Products:

Line item No.

Country of origin

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(List as necessary)

(iii) Offers will be evaluated by giving certain preferences to domestic end products or Canadian end products over other end products. In order to obtain these preferences in the evaluation of each excluded end product listed in paragraph (b) of this provision, offerors must identify and certify below those excluded end products that are Canadian end products. Products that are not identified and certified below will not be deemed Canadian end products.

The offeror certifies that the following supplies qualify as "Canadian end products" as that term is defined in the clause entitled "Buy American Act--North American Free Trade Agreement Implementation Act--Balance of Payments Program":

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(Insert line item numbers)

(iv) Offers will be evaluated in accordance with Part 25 of the Federal Acquisition Regulation. In addition, if this solicitation is for supplies for use outside the United States, an evaluation factor of 50 percent will be applied to offers of end products that are not domestic or NAFTA country end products.

(2) Alternate I. If Alternate I to the clause at 52.225-21 is

included in this solicitation, substitute the following paragraph (g)(1)(iii) for paragraph (g)(1)(iii) of this provision:

(g)(1)(iii) Offers will be evaluated by giving certain preferences to domestic end products or Canadian end products over other end products. In order to obtain these preferences in the evaluation of each excluded end product listed in paragraph (b) of this provision, offerors must identify and certify below those excluded end products that are Canadian end products. Products that are not identified and certified below will not be deemed Canadian end products.

The offeror certifies that the following supplies qualify as "Canadian end products" as that term is defined in the clause entitled "Buy American Act--North American Free Trade Agreement Implementation Act--Balance of Payments Program":

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(Insert line item numbers)

(h) Certification Regarding Debarment, Suspension or Ineligibility for Award (Executive Order 12549). The offeror certifies, to the best of its knowledge and belief, that--

(1) The offeror and/or any of its principals [ ] are, [ ] are not presently debarred, suspended, proposed for debarment, or declared ineligible for the award of contracts by any Federal agency, and

(2) [ ] Have, [x] have not, within a three-year period preceding this offer, been convicted of or had a civil judgment rendered against them for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, state or local government contract or subcontract; violation of Federal or state antitrust statutes relating to the submission of offers; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion or receiving stolen property; and [ ] are, [x] are not presently indicted for, or otherwise criminally or civilly charged by a Government entity with, commission of any of these offenses.

Martin Moore      Martin Moore, Contract Administrator

Signature of the officer or employee responsible for the offer and date.

**E.3 52.204-6 DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER (JUN 1999)**

(a) The offeror shall enter, in the block with its name and address on the cover page of its offer, the annotation "DUNS" followed by the DUNS number that identifies the offeror's name and address exactly as stated in the offer. The DUNS number is a nine-digit number assigned by Dun and Bradstreet Information Services.

(b) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one. A DUNS number will be provided immediately by telephone at no charge to the offeror. For information on obtaining a DUNS number, the offeror, if located within the United States, should call Dun and Bradstreet at 1-800-333-0505. The offeror should be prepared to provide the following information:

- (1) Company name.
- (2) Company address.
- (3) Company telephone number.
- (4) Line of business.
- (5) Chief executive officer/key manager.
- (6) Date the company was started.
- (7) Number of people employed by the company.
- (8) Company affiliation.

(c) Offerors located outside the United States may obtain the location and phone number of the local Dun and Bradstreet Information Services office from the Internet home page at <http://www.customerservice@dnb.com/>. If an offeror is unable to locate a local service center, it may send an e-mail to Dun and Bradstreet at [globalinfo@mail.dnb.com](mailto:globalinfo@mail.dnb.com).

**E.4 52.217-5 EVALUATION OF OPTIONS (JUL 1990)**

Except when it is determined in accordance with FAR 17.206(b) not to be in the Government's best interests, the Government will evaluate offers for award purposes by adding the total price for all options to the total price for the basic requirement. Evaluation of

options will not obligate the Government to exercise the option(s).

**Attachment C**

**SF 3881**



## **Technical Proposal**

**To**

**United States Nuclear Regulatory Commission**

**for**

**Revised Request for Proposal (RFP) No. RS-AED-00-300**

**Emergency Response Data System (ERDS) Maintenance**

**2000 – 2003 Plus Two Optional Years**

**Revision 0**

**SCIENTECH Proposal Number 99000-0001-055**

**January 3, 2000**

This proposal or quotation includes data that shall not be disclosed outside the U. S. Nuclear Regulatory Commission or the Government and shall not be duplicated, used, or disclosed--in whole or in part--for any purpose other than to evaluate this proposal or quotation. If, however, a contract is awarded to this Offeror or quoter as a result of--or in connection with--the submission of this data, the NRC and the Government shall have the right to duplicate, use, or disclose the data to the extent provided in the resulting contract. This restriction does not limit the NRC's or the Government's right to use information contained in this data if it is obtained from another source without restriction. The data subject to this restriction are contained in all sheets.





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Appendix A – Personnel Resumes

## 1. Introduction

The Real Time Systems Group (RTSG) at SCIENTECH, Inc. has provided (and continues to provide) solid technical support for the USNRC ERDS since completion of the original ERDS installation in 1990. Members of the original implementation team are still employed by SCIENTECH and as such SCIENTECH has an in-depth institutional knowledge of the ERDS.

This proposal is for the maintenance of the ERDS hardware and software. It is being offered on a fixed price/labor hour basis.

This proposal addresses hardware, software, development system and modem maintenance, training, personnel qualifications and meetings and travel. Appendix A contains the resumes of key personnel and others who may provide support to the contract.

## 2. Scope of Work

SCIENTECH will provide hardware and software maintenance and system support services for the NRC system. Hardware and software maintenance contracts will be purchased from 3<sup>rd</sup>-party vendors and are described more fully in the body of this document. System support services, as they apply to the services to be provided under this proposal, are defined as services specifically and directly connected to the USNRC ERDS.

### 2.1 SYSTEM SUPPORT SERVICES

The ERDS system support services are defined as services specifically and directly connected to the USNRC ERDS. The services include but are not limited to the following:

- 1) Three thousand two hundred five (3,205) hours of system support, to include on-site/off-site consulting and telephone support **per year**. The base contract will include nine thousand six hundred fifteen (9,615) hours ( $3,205 \times 3$ ). Each optional year will include three thousand two hundred five (3,205) hours for a total of sixteen thousand twenty five (16,025) hours ( $3,205 \times 3 + 3,205 + 3,205$ ).
- 2) Telephone support service is available to the USNRC twenty-four (24) hours per day, seven (7) days a week, three hundred sixty-five hours (365) days year. Minimum charge of one-half ( $1/2$ ) hour shall be charged for NRC-prompted contacts. The key personnel/backup personnel are committed to perform these services during the NRC's official hours of operation (7:30 AM – 4:15 PM, Eastern Time, Monday through Friday, except Federal holidays) and provide a minimum four hour response to NRC calls at all other times.
- 3) Consulting support services shall include, but not be limited to the following services.
  - a) SCIENTECH is familiar with the ERDS design and protocol and understands the uses for which ERDS data is acquired and the problems which were corrected by the implementation of ERDS. Any new personnel assigned to the project will become familiar with the design concept of the ERDS and the reasons this approach was selected, the hardware and software design documents and the communications protocols.
  - b) SCIENTECH will assist licensees in testing modifications to or new implementations of their ERDS software and follow-up with licensees on ERDS test results to ensure adequate resolution of all identified problems.
  - c) SCIENTECH will maintain and ensure operability of the hardware and software necessary for reception, storage, use and retransmission of the ERDS data from each plant. Such maintenance will be in compliance with the design specifications in the ERDS Requirement Analysis Report (NUREG/CR 4902). It will be done in such a manner that assures the ERDS availability is maintained at 99.9% annually throughout the period of performance of the contract. ERDS availability is defined as:

System Operable Time

System Operable Time + System Inoperable Time

ERDS shall be considered operable anytime the ERDS hardware and software perform the following core functions:

- i) Receive data from up to four reactor units simultaneously
- ii) Store all received power plant data
- iii) Support display of all plant data using the NRC approved user interface
- iv) Archive nuclear power plant data for further review

ERDS shall not be considered inoperable when the cause for system failure is outside of the scope of this contract (e.g. extended power failure or loss of telephone service).

- d) SCIENTECH will maintain the ERDS user interface software. This includes assistance to users at the NRC Operations Center, Regional Incident Response Centers (Regional Offices and Technical Training Center), site teams located at nuclear power plant sites and state government emergency response facilities.
- e) SCIENTECH will evaluate the current displays to ensure user-friendly interfaces and make recommendations for improvements to the NRC. SCIENTECH will also update the displays as directed by the NRC Project Officer.
- f) SCIENTECH will maintain a prototype facility that replicates ERDS and provides a platform for software development and troubleshooting. The ERDS prototype system will be maintained in such a manner as to provide an installed backup to the NRC production system. This system will be capable of receiving ERDS data from licensees and providing access to NRC headquarters, Regions and to state government ERDS users within 12 hours of notification that the production system has been damaged and that the ERDS contingency plan has been activated.
- g) SCIENTECH will maintain and revise the Detailed Software Designs, the System Engineer's Manual, the Hardware Design, the system drawings, the ERDS Communications Technical Summary and the ERDS User's Manual.
- h) SCIENTECH will conduct routine follow-up activities following quarterly ERDS testing to ensure that problems identified through the test program are adequately resolved.
- i) SCIENTECH will conduct ERDS User Training as required. The training shall consist of up to six (6) hours of training for up to ten (10) ERDS operators per training visit. No more than one one-week training visit will take place each year at the NRC regional offices and TTC. No more than four one-week visits will be required at NRC headquarters. During training trips to the Regional Offices or TTC, training will be provided for up to fifteen (15) state ERDS operators from the affected region. Training materials will be provided by SCIENTECH for all training sessions. The NRC will provide the facilities for the training, including but not limited to classroom space, computers, phone lines and modems, network, and overhead projector.

- j) SCIENTECH will construct ERDS system interfaces to new programs, databases and/or external computer systems, custom ERDS software and perform other modifications to the ERDS.
- 4) SCIENTECH will provide the NRC with a monthly project and financial report discussing the work performed that month, milestones met or missed during the month and plans for recovery, work planned for the next month, costs incurred, labor hours expended and other issues requiring NRC attention.

SCIENTECH will establish procedures for the work proposed herein that conform to the requirements of the NRC System Development and Life-Cycle Management (SDLCM) Methodology, Revision 1.1, dated November 30, 1998. A copy of the procedures implementing the requirements of the SDLCM will be submitted to the NRC Project Officer within 30 days of contract award for review and approval.

## 2.2 HARDWARE AND SOFTWARE MAINTENANCE

SCIENTECH will provide hardware and 3<sup>rd</sup>-party software maintenance as described below.

SCIENTECH will contract with Compaq and Process Software to provide 3<sup>rd</sup>-party software maintenance. The Compaq maintenance will include:

Description	Service Level	M-F Sa Su
OVMS Alpha 1000 4/2000 SSS	Software Support Service	24 24 24
DEC C V/A LPS	Layered Product Support	24 24 24
CMS V/A LPS	Layered Product Support	24 24 24
Digital FORTRAN V/A LPS	Layered Product Support	24 24 24
Software LP Package V/A DOC/CDROM Service	Consolidated Distribution Service	24 24 24
OVMS Alpha binaries+Online Documentation CD, Serial Number A1000/NI61202DMAS	Media and Document Distribution Service	24 24 24
OVMS Alpha 1000 4/200 SNS, Serial Number A1000/NI61202DL8S	Software Node Service	24 24 24

The Process Software maintenance will include TCPware Annual Standard Maintenance – workgroup for the AlphaServer 1000 computers (4) plus the TCPware Media and Documentation Update Service.



Hardware maintenance will be provided by both SCIENTECH and Compaq. SCIENTECH will contract with Compaq to provide 5x9/4hour maintenance for the AlphaServer 1000 computers (2) and the TLZ07 8GB DAT drives (2). SCIENTECH will provide hardware maintenance for the following equipment.

VT320 System Consoles with attached LA-75 printers (2) .

T-Bar Switch (contains T-Bar 5820-31 Master Frame Processor, six active A/B switches and power supply)

DECServer 700 (5)

SynOptic LattisHub 2813-05

CISCO Router Model 2514

RX400 cabinet including RF72 hard drive and TF85 tape drive

Motorola V.34 Modem (13) and modem rack

Codex Model 2239 V.22 Modem (3) and modem rack

## 2.3 PLANT MODEM MAINTENANCE

During the past ten years SCIENTECH has contracted with Motorola to repair the Codex 2234 and 2235 modems in use at the plants. In recent years there has been a significant decline in the efficacy of the repairs. As a result, the NRC and SCIENTECH have decided to identify a replacement modem and begin purchasing that modem and sending it to plants who experience failures with their Codex modems. SCIENTECH will purchase a maximum of twelve (12) modems per year to be sent to plants that experience modem failures. Two times in the past modems have been evaluated as possible replacements for the Codex modems. No direct replacements were found but acceptable substitutes were identified. Since manufacturers continue to evolve their product lines and it is no longer possible to purchase one of the substitutes the specific modems that will be used as Codex replacements are not identified in this proposal. However every effort will be made to provide plants with substitutes that are as close to the originals as possible.

### **3. Meetings and Travel**

Within 30 days of contract award, a meeting will be held at the NRC Project Officer's office at NRC Headquarters, Rockville, MD with the NRC Project Officer, NRC technical representatives and one of the key contractor personnel to discuss ERDS maintenance.

SCIENTECH understands that travel may be expected during the contract to the NRC Operations Center – Headquarters (Rockville, MD), Regional Offices (King of Prussia, PA; Atlanta, GA; Lisle, IL; Arlington, TX) and the Technical Training Center (Chattanooga, TN).

### **4. Personnel**

SCIENTECH will provide qualified, competent and fully trained personnel to perform the software maintenance contract. One full-time Lead Software Engineer, Mr. Greg Rice, and one Project Manager, Ms. K. Lynne Saul are identified as key personnel on the contract. Two part-time software engineers will be made available to the contract, at least one of them will be available at all times. A backup person will be made available for the Lead Software Engineer and for one of the software engineers. The Lead Software Engineer will be responsible for maintaining the ERDS software code and documentation. A part-time hardware engineer will be made available to execute hardware maintenance, modification and upgrade duties as required by the contract. The Project Manager will be responsible for the overall execution of the provisions of the contract including all required technical and financial reports. The Project Manager will be responsible for ensuring that the requirements for the system development and quality assurance in the NRC System Development and Life-Cycle Management Methodology, Version 1.1, dated November 30, 1998 are met.

In addition to the personnel identified above, a part-time Graphic Designer and part-time Technical Editor will be made available to the maintenance contract. The Graphic Designer will assist in the evaluation of ERDS displays and incorporating the changes requested by the NRC Project manager. The Technical Editor will assist in the maintenance of ERDS documents and assure that a high quality product is produced.

Resumes for the key personnel are contained in Appendix A. Resumes for other personnel who may provide services to the contract are also contained in Appendix A.

**Appendix A**  
**Personnel Resumes**



# Robert C. Ammon Jr.

## Product Manager

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### Summary

- 17 years experience with real-time computer system software and hardware including system requirements analysis and development; software design, coding and modification; and software testing and validation.
- 5 years project lead engineer experience including development of project work packages from client requirements, technical supervision of other engineers, project review meetings and status reports with clients
- 3 years software product manager experience including developing product development plans, generation of product functional requirements based upon business, technical and client requirements and support of product marketing

### Education

BS in Computer Science, Utah State University, 1987

Software Quality Assurance Seminar, 1982

United States Air Force Technical Training Center, Computer Programming, 1980

### Qualifications

**Product Manager-** Responsible for the development and technical management of the R\*TIME/WIN graphical data display software product. Responsibilities included development of the product development plan, prioritization of product changes based upon business, technical and client requirements, technical management of all of the product support and development activities and senior product architect.

**Lead Software Engineer** - Activities included requirements development, design, coding, testing and documentation of computer software designed to perform real-time data collection and graphical display for nuclear power plant monitoring systems. Demonstrated ability to configure software elements of a real-time data acquisition and display system, including application interfaces. Designed and developed a real-time man-machine interface based upon the X windows programming environment for data display. Designed, developed and modified software to acquire data from or transmit data to specialized hardware and other companies proprietary software. Types of systems worked on include Plant Process Computer Systems; Safety Parameter Display Systems; Emergency Response Facility Systems; and other plant related computer systems.

**Systems Engineer** - Responsible for performing performance assessment analysis for the inertial guidance system for the Minuteman weapon system. Performed software analysis and generated software requirements for performance assessment software. Provided computer systems engineering support for real-time data collection and processing computer systems. Developed computer system software to support performance assessment activities.

**Software Engineer** - Responsible for performing systems analysis to support rehost of existing performance assessment software from a GOULD/SEL 810B computer system to HP 1000/HP 3000 computer systems. Directed rehost of existing software, developed new software and software modifications, produced requirements specifications, and performed HP 1000 System Manager duties for seven HP 1000 computer systems.

**Scientific Programmer-** Responsible for performing HP 1000 System Manager duties for four HP 1000 computer systems. Designed, engineered, and programmed real-time radar data acquisition and processing systems. Types of software included are high-resolution graphics display software, real-time data acquisition software, and data reduction and processing software.

**Computer System Analyst** - Responsible for all computer system development including systems for accounting, engineering, sales, and manufacturing. Responsible for all computer operations and upgrading of all computer facilities. Supervised the requirements, design, coding, and validation phases of software development.

**Computer Programming Specialist** - Responsible for designing codes and testing programs for the Advanced Location Strike System (an all-weather pulsed emitter location system with navigation, strike, and weapon guidance capabilities). Areas of responsibility included data acquisition, data reduction, and general computer support. Also a member of the Air

Force design audit team for the Precision Location Strike System.

### **Computer Hardware, Software and Languages**

C++ programming using Microsoft Visual C++ for Windows 95 and Windows NT.

FORTRAN programming on HP-1000, DEC VAX/VMS, DEC Alpha/VMS and Microsoft Fortran Powerstation for Windows NT.

C programming using the Microsoft Windows WIN32 SDK, Sun SunOS and Solaris, HP 9000 using HP-UX, DEC VAX/VMS, DEC Alpha/VMS, DEC UNIX.

Assembly language programming on DEC VAX/VMS computer systems, HP 1000, 3000 computer systems.

ORACLE database application development. Experience.

Microsoft Windows and X Windows Graphical User Interface application development.

Microsoft Windows NT administrator experience, Novell Netware 3.x administrator experience, DEC VAX/VMS system management experience and HP 1000 system management experience.

### **Employment**

SCIENTECH, Inc., Product Manager, Lead Software Engineer, 1996 to present

HALLIBURTON NUS Corporation, Product Manager, Lead Software Engineer, Software Engineer, 1991 - 1996

El International Inc., Software Engineer, 1989 - 1991

Rockwell International, Hill AFB UT, Systems Engineer, 1987 - 1989

Eyring Research Institute Inc., Hill AFB UT, Software Engineer, 1985 - 1987

Dynalelectron Corporation, Holloman AFB NM, Scientific Programmer, 1984 - 1985

Scott Air Inc., Alamogordo NM, Computer Systems Analyst, 1982 - 1984

United States Air Force, Holloman AFB NM, Computer Programming Specialist, 1980 - 1983

### **Specialized Training**

HP RTE-A User and System Manager Training

HP RTE-6/VM System Manager Training

# Kevin T. Coble

## Software Engineer

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### Summary

- 12 Years experience in software design, implementation, Installation, and Testing
- Experienced in control, calculation, and display systems for the electric power industry
- Part of the R\*TIME/WIN development team
- Knowledgeable in Safety Parameter Display System (SPDS) design and implementation

### Education

B.S., Nuclear Engineering, Oregon State University

University Honors Program Graduate, 1985

### Licenses and Certifications

EIT Certified

### Qualifications

**Software Engineer-** Responsible for software development of the R\*TIME/WIN graphical display system for IBM compatible computers receiving data from a variety of server platforms, including VMS, UNIX and Windows NT based systems. Development responsibilities included design, implementation, testing, and documentation of client and server based codes.

Responsible for software development of plant process computer systems and interfaces to refuel analysis codes. Designed and implemented an X-Windows based graphical data display system for the Duquesne Light Company ERDS interface computer and the Arizona Public Service Company ERFADS computer system. Implemented the compiled C-Point calculation package in the PMAX monitor/analysis codes.

During the implementation of the James A. FitzPatrick plant process computer, EPIC, an interface was designed for the 3-D MONICORE. 3-D MONICORE was integrated in the EPIC system successfully and has undergone site acceptance testing.

While a Software Engineer in the Nuclear Systems Division of EI International, was responsible for specific projects including development and testing of the Rod Worth Minimizer (RWM) and the Traversing Incore Probe (TIP) Software Systems for the James A. FitzPatrick Emergency Plant Information Computer; the Incore Rhodium Monitor (IRM) System for the Millstone Point Unit 2 Integrated Computer System; and the Digital Data Processing System for the Florida Power and Light Plant Turkey Nuclear Generating Station.

Other experience at EI International for Florida Power and Light, Vermont Yankee, and Palisades Nuclear Power Plant included the following:

Design and implementation of the flux mapping software, flux difference software, and other plant process software for the Florida Power and Light Emergency Response Data Acquisition and Display Station.

Implementation of the Class A Model Emergency Dose Calculation system on the Florida Power and Light Emergency Response Data Acquisition and Display System.

Modification and maintenance of the Balance of Plant (BOP) and Rod Worth Minimizer (RWM) codes for the Vermont Yankee Emergency Response Facility Information System.

Implementation of the Rod Monitoring Process and the Transient Analysis programs for the Vermont Yankee Emergency Response Facility Information System.

Design and implementation of the Traversing Incore Probe (TIP) system for the Vermont Yankee Emergency Response Facility Information System.

Model development and execution of the HECTR analysis of the west engineering safeguards room at the Palisades Nuclear Power Plant.

Upgrades and upkeep of the core physics sections of the SIMULATE, SIMTRAN, and RETRAN RASP codes.

Assistance in the development of the new EPRI cross-section interface code.

Updating the RETRAN to FORTRAN 77 compiler on CDC computers (FTN - FTN5).

Languages: C++, C, FORTRAN, BASIC, PASCAL, and Assembler, with special expertise in numerical methods and graphics programming.

Hardware: IBM Compatible PC, Macintosh, SUN, HP, DEC, and MODCOMP systems and equipment.

### **Employment**

**SCIENTECH, Inc.**, 1996 to present

**HALLIBURTON NUS Corporation**, 1990 - 1996

**EI International, Inc.**, 1985 - 1990

# Mike Ingram

## Senior Writer/Editor

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### Summary

- More than 20 years experience in technical writing and editing
- Sixteen years experience in computer hardware and software documentation
- Thirteen years experience in power plant and research facility documentation
- Twelve years experience as researcher
- Eight years experience in risk assessment documentation
- Seven years experience in environmental documentation

### Education

BA, Journalism, Louisiana Tech University, 1974

### Security Clearance

DOE L

### Qualifications

**Computer Hardware and Software Documentation** - Performed writing (via research and subject matter expert interviews), substantive editing, copyediting, usability studies, and style guide preparation for a wide variety of hardware and software documentation including user guides, programmer guides, system administration guides, installation manuals, operation and maintenance manuals, test plans, requirements documents, and training materials for PC-based and NT-based products.

**Conference and Workshop Coordination** -- Acted as editor-in-chief and workshop coordinator for the Department of Energy's (DOE's) 1995 Environment, Safety and Health (ES&H) Technical Information Services Workshop. Editor of multi-volume instruction manuals for DOE's 1998 Occurrence Reporting and Processing System Workshop.

**Environmental Documentation** -- Provided writing, editing, and coordinating services for DOE's largest and most complex environmental impact statement, which combined both a programmatic and site-specific effort. Lead editor and document manager for several large NEPA and environmental documents.

**Facility and Maintenance Management** -- Wrote and edited procedural, policy, and compliance documents for maintenance, operation, and administration of the Facilities and Maintenance Department at the Idaho National Engineering and Environmental Laboratory. Subject areas included construction, ES&H, DOE Order and other regulatory agency compliance, facility maintenance, craft operations, and departmental operations.

**Procedure Support** - Prepared internal project procedures to guide authors, reviewers, and support staff

for several large, complex NEPA documents. Researched and wrote procedures and led editing, tracking, and coordinating support for the Idaho National Engineering and Environmental Laboratory (INEEL) Facility & Maintenance Department (F&MD) *Policy and Procedure Manual*. Prepared internal procedures and tracked and coordinated with DOE Tiger Team staff for F&MD responses to Tiger Team findings. Led editorial support, version control, and production of Newport News Nuclear's *Quality Implementing Procedures for Nuclear Applications* and *Quality Assurance Manual for Nuclear Applications*.

**Proposal and White Paper Preparation** -- Provided writing, editing, and coordination services for dozens of proposals and white papers. Recent proposal subjects have included advisory and assistance services, nuclear and hazardous waste facilities and equipment, unexploded ordnance services, electronic security technology, environmental remediation.

**Research** -- Performed document and bibliographic research for complex scientific and engineering documents resulting in program and project reports for management and clients.

**Risk Assessment Documentation** -- Provided complete editorial and production services for numerous complex risk assessment documents for nuclear and fossil power plants, LNG facilities, chemical plants, and transportation activities.

**Technical Writing and Editing** -- Provided writing, editing, and coordination services for complex scientific, engineering, and administrative documents. Types of documents have included editorial style manuals, project reports; technical design documents; proposals; procedures; hardware, software, and user manuals; brochures; newsletters; professional and public journal articles; white papers; administrative policies; nuclear quality assurance manuals; and safety analysis reports. Subject matter has included nuclear, coal/fossil, and magnetohydrodynamics power and research facilities; risk assessment; environmental documentation; microcomputer software; facility maintenance; and electronic security technology.

## **Employment**

**SCIENTECH, Inc.**, Senior Writer/Editor, 1995 - present

Technical Writing and Editing, Proposal Preparation and Coordination, Procedure Development, Workshop/Conference Coordination

**Science Applications International Corporation (SAIC)**, Senior Communications Specialist, 1993 - 1995

Technical Writing and Editing, Proposal Preparation and Coordination, Procedure Development, Environmental Documentation, Research

**EG&G Idaho, Inc.**, Principal Communications Specialist, 1988-1993

Technical Writing and Editing, Procedure Development, Facility and Maintenance Management, Risk Assessment, Research, Environmental Documentation

**EI International**, Senior Writer/Editor, 1978-1988

Technical Writing and Editing, Proposal Preparation and Coordination, Procedure Development, Risk Assessment, Research

## **Specialized Training**

- Society of Technical Communication Conference and Workshop - Cincinnati, OH, 1999
- Society of Technical Communication Regional Conference and Workshop - Boise, ID, 1997
- Society of Technical Communication Conference and Workshop - Seattle, 1996
- Society of Technical Communication Conference and Workshop - Washington, DC, 1995
- Internet Tools: Introduction, Intermediate, Advanced - Idaho State University, 1995
- Applying the NEPA Process - Shipley Associates, Salt Lake City, 1994
- Writing Quality EISs and EAs - Shipley Associates, Salt Lake City, 1994
- Effective Business Writing - Shipley Associates, Salt Lake City, 1994
- Society of Technical Communication Conference and Workshop - Atlanta, 1992
- Fundamentals of Procedure Writing - General Physics Corporation, Idaho Falls, ID, 1990
- Maintenance Management Procedures - Brookhaven National Laboratory, Idaho Falls, ID, 1989
- Document Design - Battelle Institute, Seattle, 1988
- Proposal Preparation Workshop - Idaho Falls, ID, 1986
- Business and Technical Writing - Idaho State University, 1984

## Major Publications

SCIENTECH, Inc., *ERDADS Y2K Assessment and Remediation Report*, for Florida Power and Light, Plant St. Lucie, ed., March 1999

Department of Energy, *Advanced Mixed Waste Treatment Project Draft Environmental Impact Statement* (predecisional and concurrence review drafts), ed., April 23, 1998.

Lockheed Martin Idaho Technologies Company, *Idaho Chemical Processing Plant Safety Analysis Report*, "Facility Specific Safety Analysis for the Tank Farm," ed., November 1997.

Newport News Nuclear, *Quality Implementing Procedures for Nuclear Applications and Quality Assurance Manual for Nuclear Applications*, ed., November 24, 1997.

Ignalina Nuclear Power Plant, *Instrument Specification and Operations and Maintenance Manual* for Controller Modules, INPP-6721-001, October 1997, and EIP-LO3-OMM-133, respectively, ed.

Lockheed Martin Idaho Technologies Company, *Environmental Compliance Inventory of the Idaho National Engineering Laboratory*, Volume I, "ECI Results," Volume II, "Facility/Program-Specific Results," Volume III, "Supplemental Information," ed., INEL-96/0389, November 1996.

Department of Energy, *Programmatic Spent Nuclear Fuel Management and Idaho National Engineering Laboratory Environmental Restoration and Waste Management Draft and Final Environmental Impact Statements*, ed., June 1994 and April 1995, respectively.

Department of Energy, *Programmatic Spent Nuclear Fuel Management and Idaho National Engineering Laboratory Environmental Restoration and Waste Management Draft and Final Environmental Impact Statements*, Appendix L, "A Primer on Radioactivity and Toxicology," June 1994 and April 1995, respectively,

Facilities and Maintenance Department, *Policy and Procedure Manual*, ed., EG&G Idaho, 1991.

Idaho Operations Office, Department of Energy, "Artificial Intelligence Applications in the Nuclear Industry," ed., (published as a special issue of *Nuclear Engineering and Design*), 1989.

EI International, *ProSpice User Manual, Electric Circuit Analysis*, ed., 1988.

Smith, M. L., "Using Reliability-Centered Maintenance to Optimize PM Programs," ed., *Nuclear Plant Journal*, September-October 1987.

Energy Incorporated (later EI International), *Monthly Report on Water Reactor Safety Research*, ed., 1982-1984.

Ingram, Michael J., *Annotated Bibliography of Fast Breeder Reactor Research Literature*, Energy Incorporated, 1982.



# Patty Jo Moore

## Administrative Specialist, Systems Products

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### Summary

- Ten years administrative assistant experience.
- Ten years of project coordination experience.
- Eighteen years of administrative/secretarial and office experience.

### Qualifications

**Administrative Assistant/Project Coordinator** -- Responsible for the coordination, generation and tracking of all daily correspondence including proposals, letters, all internal documentation, etc. Preparation of all materials for on-site seminars and training classes including organizing and scheduling, preparing and mailing seminar announcements to clients, and tracking payment and invoices

Responsible for tracking the PEPSE® (Performance Evaluation of Power System Efficiencies computer code) Subscription Service and Telephone Support Service. Responsible for all updates and revisions to the PEPSE users manuals including the incorporation of major changes, supervision of copying, and the internal and external distribution of the manuals.

Help plan and coordinate the annual Performance Software User's Group Meeting which includes arrangements with the selected hotel, payment from attendees, receiving abstracts and final papers, organizing and finalizing of papers. Also finalizing, copying and putting together the proceedings for the meeting. Registration of attendees at the meeting and coordinating with the hotel staff to ensure a smoothly ran meeting.

**Senior Secretary-** Responsible for the work output of a group of 27 engineers. Served as document control person for RETRAN, PEPSE and other related QA functions for the division. Instrumental in pulling documentation together which was needed for the Electric Power Research Institute (EPRI) and the Nuclear Regulatory Commission's RETRAN Quality Assurance project. Typed and distributed (under quality assurance guidelines) the Software Standards Manual and Software Procedures Manual for the division.

Became a definitive part of the RETRAN team pertaining to EPRI Technical Reports (i.e., typing, proofing, printing on EPRI mats and making sure they were received at EPRI on time) and the five RETRAN manuals which are written, typed, proofed and printed by the division.

Helped plan and coordinate two RETRAN International Meetings which included arrangements with the selected hotel, reservations and payment from attendees, receiving abstracts and final papers organizing and finalizing presentation of papers at the meeting and registration of attendees at the meetings. Made sure all monthly reports, financial and project status reports were prepared and sent on time to meet EPRI contracts.

**Secretary-** Responsibilities included the daily secretarial duties for approximately 45 engineers. Scheduled, coordinated, assembled and interacted with other divisions for division workshops. Helped proof and put together computer manuals for the division. Daily correspondence, scheduled and traced long-haul trips of radioactive materials to and from the INEL. Responsible for the receiving and location of delivery through Security when radioactive materials arrived on-site.

### **Computer Skills**

Hardware -- Prime mainframe/televideo terminals (EMACS and WordPerfect), IBM Selectric II, 10 Key Adding Machine, IBM PC, Data General Terminals, ISC (Data Base Entry and Building Displays)

Software -- Word, Excel, Power Point, Corel Draw, Microsoft Project WordPerfect and WordMarc

### **Employment**

**SCIENTECH, Inc.**, Administrative Specialist, Systems Products, 1996 - present

**Halliburton NUS Corp.**, Administrative Assistant/Project Coordinator, Performance Systems, 1990 - 1996

**EI International, Inc.** Administrative Assistant, 1987 - 1990

**Energy Inc.**, Senior Secretary 1983 - 1987

**Energy Inc.**, Secretary, 1980 - 1982

# Paul E Otnes

## Systems Analyst

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### Summary

- One year experience with PMAX and R\*TIME systems.
- Five years experience managing and developing a wide variety of computer and networking systems.
- Nine years experience managing employees and leading workgroups.
- Sixteen years experience providing a high level of customer service in a variety of businesses.

### Education

Bachelor of Applied Science Degree, ITT Technical Institute, Portland, Oregon, 1993  
Automated Manufacturing Technology, GPA: 4, Highest Honors, Valedictorian

Associate of Applied Science Degree, ITT Technical Institute, Portland, Oregon, 1992  
Electronic Engineering Technology, GPA: 4, Highest Honors, Valedictorian

### Licenses and Certifications

Electronics Technicians Association International: Associate

Certified Electronics Technician, Number AC 3247

National Association of Radio and Telecommunication Engineers: Class III Certified Technician,  
Number T3-06141

### Qualifications

Responsible for a mission critical ten node Alpha VMS cluster that serves as the primary medical database for the Portland, Oregon VA Medical Center. The medical database is a Digital Standard Mumps (DSM) application providing fifteen gigabytes of patient information to an average of 300 concurrent employees. Responsible for all aspects of hardware and software tuning, system management, database management and documentation for this system. Hardware modifications made to this system became accepted as part of the national standard platform.

Responsible for development and implementation of Windows NT networking for the Portland, Oregon VA Medical Center's Metropolitan Area Network (MAN). This consists of ten servers located at the Portland, Oregon and Vancouver, Washington Campuses. The servers consist of Digital Alpha and Intel based CPU's running NT Server 3.51 and 4.0. This network was used as a regional model and influenced national NT networking architecture.

Responsible for Portland Oregon VA Medical Center data communications systems. The communications equipment consists of Cisco routers, a Cisco Lightstream ATM switch, and Catalyst ethernet network switches providing high speed network connectivity among the Medical Centers Metropolitan Area Network as well as between the Medical Center, the VHA and the Internet.

Developed and managed NT Networking for the Northwest Regional VHA offices (VISN 20). These offices are located in Vancouver Washington, and manage all VA facilities in Washington, Oregon, Idaho, Alaska, as well as parts of Montana and California. Duties included developing and implementing regional networking services, policies, and procedures.

## **Computer Skills**

**Hardware** - VAX, Alpha, and Intel based computers. 3com, Intel, and NE compatible network interface cards. Adaptec, DEC, and Mylex SCSI and SCSI RAID controllers. Cisco, 3com, and Asante networking equipment.

**Software** - Exchange, MS-Mail, Schedule Plus, Microsoft Office 97, VMS WordPerfect, AutoSketch, AutoCAD LT, PhotoShop, PhotoStyler, HoT MeTaL Pro, and RayDream Studio. Operating Systems - VMS, Windows NT Server, Windows NT Workstation, Windows 95, Windows for Workgroups, DOS Languages - C, Pascal, BASIC, Fortran, Access, HTML, DCL, and iAPX86 Assembly

## **Employment**

SCIENTECH, Inc., Systems Analyst, 1997 - present

Department of Veterans Affairs, Portland, Oregon, Network Services Manager, 1996 - 1997

Assistant Computer Systems Manager, 1994 - 1996

Computer Specialist, 1993 - 1994

ITT Technical Institute, Portland, Oregon, College Work Study Placement Clerk, 1992 - 1993

Danielson Thriftway, Oregon City, Oregon, Produce Manager, 1984 - 1992

## **Specialized Training**

**Digital Equipment Corporation** - AXP-VMS Systems Management I, AXP-DHCP Systems Management I, AXP-Communications I, Microsoft Supporting Windows NT Server

## **Affiliations/Honors**

Outstanding Rating - Department of Veterans Affairs, Portland, Oregon, five consecutive years, 1993 - 1997

Special Contribution Award - Department of Veterans Affairs, Portland, Oregon, 1997

# **Lisa A. Parry**

## **Graphic Design Specialist**

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### **Summary**

- 10 years experience in graphics
- 10 years experience in technical support services
- 6 years experience in user documentation
- 2 years experience in proposal preparation

### **Education**

B.A., American Studies, Idaho State University, 1986

### **Qualifications**

**Graphics** - Designed, built, and edited computer graphic displays on a variety of computers. Created CD jewel case covers for software products.

**Technical Support Services** - Tested displays and company software products to verify proper response. Performed data entry for project data bases. Provided clerical and coordination support for projects. Provided training and on-site support to clients.

**User Documentation** - Responsible for writing and editing portions of the product documentation. Reviewed, edited, and word processed user documentation.

**Proposal Preparation** - Provided word processing and editing support for proposal development.

### **Computer Skills**

Hardware - IBM compatible personal computer

Software - Microsoft Word, Word Perfect, R\*TIME/WIN

### **Employment**

**SCIENTECH, Inc.**, Graphic Design Specialist, 1996 to present

Graphics, Technical Support, User Documentation

**HALLIBURTON NUS Corp.**, Administrative Aide III, 1990 - 1996

Graphics, Technical Support, User Documentation, Word Processing, Proposal Preparation Support

**EI International, Inc.**, Senior Clerk, 1987- 1990

Graphics, Technical Support, Word Processing, Project Support

**Energy Incorporated**, Display Builder, 1985

Graphics

### **Affiliations/Honors**

Phi Kappa Phi

# Greg C. Rice

## Programmer

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### Summary

- Twenty years experience as a programmer on mainframe, mini- and micro-computers, PCs and workstations.
- Two years experience as a computer operator

### Education

BA Sociology - Idaho State University

### Qualifications

**Computer Programmer-** Responsible for development and/or modification of many different computer codes from mainframe codes such as RELAP and RETRAN to real-time micro-based software such as PMAX® and PEPSE®.

Ported, redesigned, implemented and tested the PMAX programs to UNIX, INTEL, NT and VAX/VMS Posix systems. Included major over-hauling of entire system and writing many new programs in Fortran and C.

In charge of maintenance, configuration management, distribution and customer support on the new PMAX system.

Conceived and implemented improvements to PEPSE® which allows interactive inquiry and manipulation of program data.

Designed and coded super-operation calculation package as a major improvement to user definable algorithms for PEPSE.

Wrote dBase data conversion programs to accommodate data transfer between IBM PCs and DEC Vax.

Designed, wrote and implemented a high resolution, multi-curve trend plotting program for the real-time power plant monitoring system, PMAX.

Designed and coded an analog input validation module for verification of data entering the PMAX global common area.

Designed wrote and implemented a compressor/fan calculational module for PMAX.

Varied participation in the development of RETRAN-01, RETRAN-02 and RETRAN-03 computer codes for analyzing the transient behavior of nuclear reactor systems.

Converted the power plant performance code, PEPSE, to a Compaq 386 using UNIX, VAX VMS system, Honeywell, IBM PC and others.

Key contributor in the conversion of PMAX, a real-time power plant performance monitoring package, from a MODCOMP computer to an INTEL micro-computer.

Responsible for yearly maintenance, conversion and delivery of code improvements to PEPSE.

### Employment

SCIENTECH, Inc., Programmer, 1996 - present

**HALLIBURTON NUS Corp.**, Programmer, 1990 - 1996

**EI Incorporated**, Programmer, Computer Operator, 1978 - 1990



# K. Lynne Saul

## Program Manager

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### Summary

- Manager of Real Time Systems group
- Computer Systems Project Management
- Real time software design, development, testing and maintenance

### Education

B.S., Mathematics, Idaho State University, 1979

Graduate Studies, Computer Science, Northwestern University, 1979-1980

### Security Clearance

NRC

### Qualifications

Over 16 years experience in computer systems project management, software design, development, testing and maintenance.

**Real Time Systems Program Manager** - Plans, manages and directs the activities of the Real Time Systems Group. This includes staff management, (work assignments, performance goals, evaluations, salary recommendations), project management, client interface, development of new/add-on contracts and direction of the real time products.

**Project Manager** - Responsible for several firm, fixed-price contracts. This includes interfacing with the clients, managing the project budgets, assigning project responsibilities/tasks to project personnel, tracking the project schedules, writing monthly reports to the clients, approving all project documents and preparing proposals for add-on work.

**Lead Software Engineer** - Responsible for the software project management of a real time data acquisition and display system for the United States Nuclear Regulatory Commission. Software aspects of this job are system design, implementation, verification and testing. Management aspects of this job are task definition, budget preparation, time estimates, scheduling, and software staff supervision. Other responsibilities include documentation, user training and third-party software evaluation. This position also requires a significant amount of oral and written communication with the client and the staff at the nuclear power plants which provide data input to the system.

Additional technical experience includes the development of real-time software to acquire and display data, create and manipulate graphic displays, archive and replay data, and communicate on networks and phone lines. Extensive knowledge of the software design and development process and thorough familiarity with software design, development, testing, documentation, validation and verification standards set forth by ANSI, IEEE, ANS and DOE.

**Year 2000 Experience** - Experience performing Y2K evaluation, remediation and implementation on customers' real time data acquisition and display systems. Work was performed in accordance with NEI/NUSMG 97-07 and included development of V&V and Y2K Test Plans, system evaluation, writing assessment reports and remediation plans, performing remediation, installation and testing and providing

certificates of compliance.

**Computer Skills**

**Operating Systems** - UNIX, DOS, OpenVMS

**Languages** - C, FORTRAN, LISP and several assembly languages

**Employment**

**SCIENTECH, Inc.**, 1996 to present

**HALLIBURTON NUS Corp.**, 1990 -1996

**EI International**, 1985 - 1990

**E.G.&G. Idaho**, 1984-1985

**Teletype Corporation**, 1979-1983

**Specialized Training**

Software Scheduling and Estimation

**Affiliations/Honors**

Employee of the Year, 1990

**Publications**

Article in Nuclear News, July 1992; ERDS: someone to watch over US reactors - in real time; John R. Jolicoeur, K. Lynne Saul

Numerous technical documents such as software design documents, user's manuals, system engineer's manuals, programmer's manuals, specifications, proposals and training guides

# Nancy Stewart

## Administrative Assistant

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### Summary

- Over Ten years secretarial/administrative assistant experience
- Three years conference coordinator experience
- Three years office management experience
- Seven years accounting/bookkeeping experience
- Four years supervision/training experience

### Qualifications

**Administrative Assistant-** Responsible for various offices tasks including, typing, editing and proofing, proposals, quotations and budgetary estimates, computer pricing specifications for proposals and purchasing of project deliverables, letters and phone calls to clients, and assist with marketing for training classes. Creating and maintaining electronically, forms and log files for use with the Software Trouble Reports, Software Evaluation and Software Revisions for company software. Using specialized software to create Help files and documentation for use with company developed software. Arranging travel and assisting with travel expense forms. Filing of project documents and maintenance of project, proposal, office, fax and quality assurance files. Ordering of all office supplies and maintaining purchase files and purchase order numbers. Preparing purchase and lease agreements for computer systems, order and installing office software and upgrades. Processing timesheets, travel expense statements. Maintaining a client database and preparing large mailings. Developing marketing literature, qualifications statements and brochures. Creating and organizing marketing presentations and training seminar documentation.

**Conference Coordinator -** Responsible for locating hotel and arranging rooms and rates for conference attendees, setting up meeting room space and peripherals needed for conference, also arranging catering and planning meals and breaks. Finalizing and mailing the meeting agenda, compiling notes and papers, formatting for reproduction and mailing to attendees. Creating and tallying surveys from meetings.

**Office Management-** Responsible for carrying out all office tasks in the absence of technical and supervisory personnel which included answer phones and getting technical information relayed to appropriate personal in a timely manner. Making decisions concerning general operations. Opening and closing office, handling customer questions and complaints, and supervision of employees and customer service.

**Accounting/Bookkeeping -** Responsible for daily balancing of cash drawer and vault. Balancing of credit union bank account, general ledger accounts and ordering, depositing and wiring money on a daily basis. Daily cash register checkout, received on account and bank deposit. Inventory of daily floral wires and supplies. Daily store checkouts, balancing of vault and daily sales accounting and balancing. Weekly inventory and ordering of supplies.

**Supervisory/Training-** Responsible for supervision of two to ten employees, hiring, firing, training in all aspects of the job, performance review and salary increases.

### Computer Skills

Hardware - IBM, MS-DOS, Windows 3.1, Windows for Workgroups, Windows NT, Windows 95

Software - Word, Wordperfect, Powerpoint, Excel, Lotus, Chameleon, PCPLUS, FoxPro, dBase, Internet, Eudora, Image Display Builder, Doc-To-Help

### Employment

SCIENTECH, Inc., Administrative Assistant, 1996 to present

**HALLIBURTON NUS Corp., Administrative Assistant, 1991 - 1996**

**Medical Professional Credit Union, Vault Teller, Assistant Collection Manager, Loan Officer, Assistant Branch Manager, 1986 - 1991**

**Aladdins Floral, Bookkeeper, Supervisor, Floral Designer, 1984 - 1986**

**Arizona Federal Credit Union, teller, 1983 -1984**

**Burger King,Supervisor, 1980 - 1983**

**Specialized Training**

**WordPerfect Desktop Publishing - 1994**

**Business Grammar & Usage - 1992**

**High Impact Communication Skills - 1991**

**QA On-the-Job Improvement Techniques - 1991**

**ICUL Sales Training - 1989**

**Teller Training School - 1983**

# P. Tony Wade

## Lead Software Engineer

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### Summary

- 10 years experience programming on many platforms and programming languages
- Mastery of the DEC OpenVMS operating system on VAX and Alpha platforms
- Significant experience networking systems using ethernet, parallel, and serial interfaces and various protocols including TCP/IP, DECNet, and LAT

### Education

B.S. Computer Systems Engineering Technology, Oregon Institute of Technology, 1987

### Qualifications

**Lead Software Engineer** - Responsible for the upgrade of the Vermont Yankee Emergency Response Facility Information System (ERFIS) and Simulated Plant Process Computer System (SPPCS) VAXes to DEC Alpha 2100 Servers. Tasks included installing and configuring the operating system and layered products, converting FORTRAN, C, PASCAL, and Macro Assembler source code to Alpha OpenVMS 6.1, conversion of a parallel port communications interface to TCP/IP over ethernet, creation of networking code for parallel testing with their existing VAX systems, installation and integration of the Alpha 2100 servers, as well scheduling and client interfacing. A SPPCS interface to the Microsoft Windows based simulator was created using Visual C++ and Fortran Powerstation.

**Lead Software Engineer** - Responsible for the design and development of the RIS Amplifier Replacement Project for Niagara Mohawk Unit 1 Nuclear Plant. The project was a IEEE 1E safety related data acquisition system (CPI) integrated with a DEC Alpha workstation with communications links to a Honeywell Plant Process computer system. The systems were electrically isolated using fiber optics. Experience gained includes project management, project plan creation, project scheduling, VAX to Alpha code conversion, code and command procedure creation, real-time data acquisition, fiber-optics, TCP/IP communications, and client interfacing.

**Lead Project Engineer** - Responsible for the Vermont Yankee project. Responsibilities include project scheduling, proposal generation, client interfacing, and software generation/maintenance. Experience gained includes project management and client relations. Regular interfacing between Vermont Yankee and General Electric personnel concerning 3D Monicore and Traversing Incore Probe has produced an effective working relationship.

**Software Engineer** - Assisted in design and coding of new interface modules to interface the New York Power Authority Fitzpatrick Plant Process computer system with General Electric 3D Monicore. Attended group project/design meetings with GE and NYPA personnel at the Fitzpatrick plant and at GE headquarters in San Jose to determine scope, methodology, testing, and schedule goals.

**Software Engineer** - Responsible for the Vermont Yankee Simulated Plant Process Computer System (SPPCS). Responsibilities included designing, coding, and testing software to transfer simulated plant data between a Singer Link nuclear power plant simulator (Gould 32/8750) and the SPPCS (VAX 8530) and interface the simulator information with 3D Monicore. Other responsibilities include system administration for the Gould and project management functions. Modified and tested simulator models for the Rod Worth Minimizer, sequence of events processing, control rod notch positions, and many other Plant Process Computer point models. The 3D Monicore implementation involved the creation of a simulator model to calculate the TIP flux data on the simulator, transferring the data to the SPPCS, and creating data files that would normally be created by GE software. Parts of the 3D Monicore

implementation were a cooperative project between EI, GE, and the Yankee Atomic company.

**Software Engineer** - Responsible for General Electric 3D Monicore nuclear core analysis system interface and display system for the Vermont Yankee project. Responsibilities included design creation, presentation, coding, and testing of the interfaces between the Emergency Response Facility Information System (ERFIS) and 3D Monicore. Work performed includes design of the graphical display programs for the presentation of the 3D Monicore calculated data. Experience acquired includes Digital Equipment Corporation VAX VMS system software, interprocess communications, ASEA Tesselator color graphics terminal interfacing, and detailed work with the FORTRAN 77 programming language. A great deal of communication and coordination was involved with both Vermont Yankee and GE.

**Year 2000 Experience** - Experience performing Y2K evaluation, remediation and implementation on customers' real time data acquisition and display systems. Work was performed in accordance with NEI/NUSMG 97-07 and included development of V&V and Y2K Test Plans, system evaluation, writing assessment reports and remediation plans, performing remediation, installation and testing and providing certificates of compliance.

### Computer Skills

- Computer platforms include DEC VAX, DEC Alpha, Encore (Gould), Modcomp, Apple Macintosh, IBM PC, Apollo, and SUN workstations.
- Computer Languages include FORTRAN, C, PASCAL, BASIC, and various Assemblers.
- Computer Operating systems include DEC VAX VMS, Encore MPX 3.2 through 3.4, UNIX, AEGIS, Windows 95, and Windows NT.

### Employment

**SCIENTECH, Inc.**, Lead Software Engineer, 1996 to present

**HALLIBURTON NUS Environmental Corp.**, Lead Project Engineer, 1990-1996

**EI International Inc.**, Software Engineer, 1987-1990

### Specialized Training

Digital Equipment Corporation, VMS System Management II V5, 1991

C++ & Microsoft Foundation Class Training, Salt Lake City Utah, 1995

## SUMMARY OF PROJECT OFFICER'S PROPOSAL EVALUATION

RFP Number: AED-00-300

Offeror: Scientech, Inc.

Page 1 of 4

1. Is the technical proposal in exact accordance with the Statement of Work in the solicitation? If not, list discrepancies: *NO.*
  - In section 2.1.g, The contractor does not commit to meet documentation ~~per~~ requirements of M.D. 2.1 as required in S.O.W.
  - Contractor did not respond to SOW paragraph B.17 - YES Warrant
2. Is the technical approach reasonable? If not, explain:  
*YES*
3. Are the proposed personnel qualifications acceptable? If not, explain:  
*YES*
4. Is the proposed performance schedule reasonable? If not, explain:  
*YES*
5. Should the technical proposal be otherwise accepted as submitted? If not, explain:  
*AFTER ADDRESSING ITEM 1 ABOVE.*

Instructions regarding the evaluation of the cost proposal:

a. You may want to compare the cost proposal with your government cost estimate form.

b. If the answer is yes to the following self-explanatory questions regarding the cost proposal, please write "yes" behind the question. If the answer is no, write "no" and provide an explanation in the space beneath the question. If the question is not applicable to this RFP, then write "N/A".

c. The Contract Specialist will obtain advice from the offeror's government auditor regarding the acceptability of the labor rates and indirect rates (overhead, fringe, and G&A).

6. Are the Prime Contractor's proposed labor categories reasonable?

YES

7. Are the Prime Contractor's proposed hours for each labor category reasonable?

YES

8. Are the Prime Contractor's proposed labor rates for each labor category reasonable?

NO - SEE ATTACHED

9. Are the Subcontractor's proposed labor categories reasonable?

N/A

10. Are the Subcontractor's proposed hours for each labor category reasonable?

N/A



11. Are the Subcontractor's proposed labor rates for each labor category reasonable?

N/A

12. Are the travel plans in accordance with the RFP? (Purpose, location, number of days, number of personnel. The Contract Specialist will verify per diem rates and transportation rates.)

YES

13. Are the purpose, number of hours and hourly rate for any proposed consultant, considering his/her level of expertise, reasonable?

N/A

14. Are the proposed quantity and prices for any other direct costs (such as telephone, express mail, computer time, materials, etc.) necessary and reasonable?

SEE ATTACHED COMMENTS

15. Is any proposed testing and/or special equipment necessary for performance of work under this contract? If yes, are the quantity and prices reasonable?

YES

16. The Contract Specialist will prepare a "weighted guideline" to determine a fair and reasonable profit/fee. The Federal Acquisition Regulations (FAR) allows a maximum of 10% of total cost for a profit which is reserved for situations where the offeror would assume a considerable cost risk. In a typical cost type contract, for which a Contractor would be reimbursed for all allowable costs, the fee generally would average 7% of the total estimated cost. If the offeror is proposing a fee of more than 7%, please provide applicable information for the Contract Specialist to use in considering reasons for increasing the profit (e.g. state-of-the-art, complexity, uncertainties of performance, likelihood of changes, etc.)

17. Other comments, if applicable:

*See attached comments*

Evaluator's Signature: *J. E. Blum*, Project Officer

Date Evaluation completed and returned to Contract Specialist: 1/5/00

**Project Officer's detailed comments on Sciencetech offer dated 1/3/00 on RFP number AED-00-300:**

CLIN 1a. Based on my review of the COMPAQ GSA schedule and telephone conversations with COMPAQ sales support personnel, the GSA schedule price for this service should be \$5747.36 per year based on current pricing. This reflects a 12% discount over conventional pricing. I would calculate an annual price for this service at \$6531.09. Based on this, the offeror's bid price would reflect a 40% profit margin.

CLIN 1b. Based on telephone discussions with the sales support personnel at Process Software Corp., the commercial price for this service is \$1645.00. The offeror's bid price reflects a markup of 26%.

CLIN 2. Based on telephone discussions with COMPAQ sales support, the commercial price for this coverage would be \$216.00 per month. The GSA Schedule price would be \$190.00 per month. Based on the commercial cost alone, the contractor's markup is 18%.

CLIN 8a. Based on my use of the government contract airfare and per diem rates, the offeror's travel estimates are too high. The table below reflects the cost of a one week trip including 5 full days of per diem, the government contract airfare between Idaho Falls, ID and Salt Lake City plus the government airfare from Salt Lake City to the destination, and \$200 for car rental.

Destination	Round Trip Air fare	Per Diem	Car Rental	My total	Offeror's proposal
HQ	\$546	\$765	\$200	\$1511	\$2646
Region I	\$692	\$630	\$200	\$1520	\$2430
Region II	\$946	\$640	\$200	\$1786	\$2458
Region III	\$568	\$635	\$200	\$1403	\$2344
Region IV	\$628	\$550	\$200	\$1378	\$2344

With respect to training in the TTC, it should be scheduled as an add-on to a Region II visit with the contractor using a rental car to Chattanooga.

Also, the offeror appears to be unwilling to accept fixed price for this item. In the cost proposal writeup, the offeror states that they propose to invoice travel at a cost plus 5% rate in the month that the travel is used. This CLIN will require some significant negotiation. 17% →

Labor Rates, CLINs 9,17, and 25.

These rates reflect a significant increase over the historical costs associated with the past two ERDS maintenance contracts. The rates proposed are between 320% and 340% of the hourly wage rates in the current contract. This indicates an overhead and profit multiplier of 220% to 240%. I could understand this approach for fixed price coverage for all labor (regardless of how much was used), however, for the proposed structure of this contract where the labor hours are reimbursed on an as used basis and capped unless NRC adjusts the level of effort through a contract mod, this pricing is excessive.

No prices have been proposed for the option years except for labor rates which were discussed above.



January 11, 2000

United States Nuclear Regulatory Commission  
Division of Contracts and Property Management  
Attn: Ms. Brenda DuBose  
11545 Rockville Pike  
Rockville, MD 20852

Subject: ERDS Maintenance RFP No. RS-AED-00-300

Reference: Telephone Conference Call of January 6, 2000 between B. DuBose and J. Jolicoeur, (US NRC) and M. Moore and L. Saul (SCIENTECH).  
January 3, 2000-- Cost and Technical Proposal submittal

Dear Ms. DuBose:

As discussed during the referenced telephone conference call last week, SCIENTECH has reviewed our Cost Proposal submittal of January 3, 2000 and offers the following in response to areas of concern noted during the call and submits the enclosed revised cost proposal.

Upon review of the travel clins previously quoted, SCIENTECH has determined that as a private company government rate airfares are not available, even on a government contract. However, we have reduced the estimated commercial airfare to \$1,000 per trip. Lodging per diem and M&IE costs remain as previously proposed at rates derived from the federal travel regulations.

Third party hardware and software maintenance clins have been further evaluated based on supplier pricing at the GSA rate structures. The resulting rates enclosed may differ from rates the NRC is able to acquire due to SCIENTECH's application of general and administrative charges and fee that add to our direct costs. SCIENTECH suggests that the NRC should investigate the procurement of those services directly from the vendors at a lower cost to the NRC. SCIENTECH is willing to assist the NRC at no cost in specifying which services are necessary.

SCIENTECH has evaluated our commercial labor rates as proposed on clins 9.a, 9.b, 9.c, during the base contract years 1-3 and on clins 17 and 25 in the Option Years 1 and 2. The enclosed, revised labor pricing reflects a reduced commercial rate. Due to the relationship between our organizations during the past 10 years relative to the ERDS work, this pricing represents preferred commercial client rates.

Further pricing is provided for Option Years 1 and 2 and is contained on the attached revised pricing.

We are in receipt of the fax transmittal of January 7, 2000 containing the Information Technology Directive 2.1. From our review of this document, no technical exception is taken for its implementation.

As per your January 7, 2000 correspondence, the following is offered as clarification; the Florida Power and Light work noted in Section 4 of the January 3, 2000 proposal submittal is an ERFDADS contract. Previously, SCIENTECH has performed ERDADS maintenance work for Florida Power and Light but does not have any ERDS related contract work with Florida Power and Light.

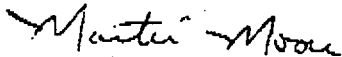
SCIENTECH will comply with Section C.12 *Year 2000 Warranty* provisions as contained in the subject RFP, with the following exception. SCIENTECH will not be responsible for Year 2000 Compliance or warranty of any third party software associated with ERDS Maintenance.

RENSO

All other information contained in the cot and technical proposal submitted January 3, 2000 remains unchanged.

Please call me at (208) 524-9379 or Lynne Saul at (208) 524-9371 with any questions.

Sincerely,



Martin Moore  
Contract Administrator

Enclosure: as noted

File: 99000-0001-055

US NRC RFP No. AED-00-300

EDS Maintenance

SCIENTECH Proposal 99000-0001-055

## PRICE/COST SCHEDULE

Contract Years 1 through 3 (January 18, 2000 - January 17, 2003)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq	36	months	\$ 667	\$ 24,026
1.b	Software Maintenance - Process Software	3	years	\$ 2,066	\$ 6,198
	TOTAL - Software Maintenance				\$ 30,224
2	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)	36	months	\$ 267	\$ 9,609
3	Other Hardware Maintenance VT320 System Consoles with attached LA- 75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	3	years		\$ 10,489
4	Equipment Rental for Development System	36	months	\$ 394	\$ 14,168
5	Telephone Service Charges Monthly Service Long Distance	36	months	\$ 473	\$ 17,016
5.a	Pager	3	years	\$ 160	\$ 479
5.b	Shipping	36	months	\$ 21	\$ 739
6	Plant Modem Maintenance	36	each	\$ 175	\$ 6,283
7	deleted				\$ .
8	Training Costs				
	NRC Headquarters	12	sessions	\$ 102	\$ 1,225
	Region I	3	sessions	\$ 102	\$ 306
	Region II	3	sessions	\$ 102	\$ 306
	Region III	3	sessions	\$ 102	\$ 306
	Region IV	3	sessions	\$ 102	\$ 306
	TTC	3	sessions	\$ 102	\$ 306

TOTAL Training Costs \$ 2,757

Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping

US NRC RFP No. AED-00-300

EDS Maintenance

TECH Proposal 99000-0001-055

## 8.a Travel

NRC Headquarters	13	trips	\$	2,418	\$	31,438
Region I	3	trips	\$	2,202	\$	6,605
Region II	3	trips	\$	2,230	\$	6,690
Region III	3	trips	\$	2,487	\$	7,460
Region IV	3	trips	\$	2,118	\$	6,348
TTC	3	trips	\$	1,968	\$	5,903
Total Travel					\$	64,445

## 9.a Labor Category - Year 1

Project Manager	350	hours	\$	110	\$	38,526
Lead Software Engineer	1500	hours	\$	105	\$	157,213
Software Engineer*	1000	hours	\$	96	\$	96,111
Engineer 36			\$	127		
Engineer 35			\$	118		
Engineer 34			\$	109		
Engineer 33			\$	100		
Engineer 32			\$	92		
Engineer 31			\$	84		
Engineer 30			\$	78		
Hardware Engineer	80	hours	\$	96	\$	7,689
Administrative Support	75	hours	\$	47	\$	3,511
Graphic Designer	125	hours	\$	52	\$	6,522
Technical Editor	75	hours	\$	94	\$	7,031

TOTAL Estimated Labor - Year 1 3205 \$ 316,604

\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

## 9.b Labor Category - Year 2

Project Manager	350	hours	\$	114	\$	39,851.71
Lead Software Engineer	1500	hours	\$	108	\$	162,621
Software Engineer*	1000	hours	\$	99	\$	99,417
Engineer 36			\$	131		
Engineer 35			\$	122		
Engineer 34			\$	112		
Engineer 33			\$	103		
Engineer 32			\$	95		
Engineer 31			\$	87		
Engineer 30			\$	81		
Hardware Engineer*	80	hours	\$	99	\$	7,953
Administrative Support	75	hours	\$	48	\$	3,632
Graphic Designer	125	hours	\$	57	\$	7,175
Technical Editor	75	hours	\$	94	\$	7,031

TOTAL Estimated Labor - Year 2 3205 \$ 327,681



US NRC RFP No. AEO-00-300

EDS Maintenance

SCIENTECH Proposal 99000-0001-055

## 9.c Labor Category - Year 3

Project Manager	350	hours	\$	118	\$	41,223
Lead Software Engineer	1500	hours	\$	112	\$	168,216
Software Engineer*	1000	hours	\$	103	\$	102,837
Engineer 36			\$	136		
Engineer 35			\$	126		
Engineer 34			\$	116		
Engineer 33			\$	107		
Engineer 32			\$	98		
Engineer 31			\$	90		
Engineer 30			\$	83		
Hardware Engineer	80	hours	\$	103	\$	8,227
Administrative Support	75	hours	\$	50	\$	3,756
Graphic Designer	125	hours	\$	63	\$	7,892
Technical Editor	75	hours	\$	100	\$	7,523

TOTAL Estimated Labor - Year 3	3205		\$	339,674
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TOTAL Estimated Labor	9615		\$	983,959
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## PRICE/COST SCHEDULE

Option Year 1 (January 18, 2003 - January 17, 2004)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
10.a	Software Maintenance - Compaq	12	months	\$ 748	\$ 8,972
10.b	Software Maintenance - Process Software	1	year	\$ 2,538	\$ 2,538
	TOTAL - Software Maintenance				\$ 11,510
11	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)	12	months	\$ 305	\$ 3,657
12	Other Hardware Maintenance VT320 System Consoles with attached LA- 75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	1	year	\$ 6,459	\$ 6,459
13	Equipment Rental for Development System	12	months	\$ 433	\$ 5,195
14	Telephone Service Charges Monthly Service Long Distance	12	months	\$ 520	\$ 6,239
14.a	Pager	1	year	\$ 176	\$ 176

US NRC RFP No. AED-00-300

EDS Maintenance

ZCH Proposal 99000-0001-055

15 Plant Modem Maintenance	12	each	\$	192	\$	2,304
16 Training						
NRC Headquarters	4	sessions	\$	114	\$	456
Region I	1	sessions	\$	114	\$	114
Region II	1	sessions	\$	114	\$	114
Region III	1	sessions	\$	114	\$	114
Region IV	1	sessions	\$	114	\$	114
TTC	1	sessions	\$	114	\$	114

TOTAL Training Costs

\$ 1,027

Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping

## 16.a Travel

17 Labor Category						
Project Manager	350	hours	\$	122	\$	42,641
Lead Software Engineer	1500	hours	\$	116	\$	174,002
Software Engineer*	1000	hours	\$	106	\$	106,374
Engineer 36			\$	140		
Engineer 35			\$	130		
Engineer 34			\$	120		
Engineer 33			\$	110		
Engineer 32			\$	101		
Engineer 31			\$	93		
Engineer 30			\$	86		
Hardware Engineer	80	hours	\$	106	\$	8,510
Administrative Support	75	hours	\$	52	\$	3,886
Graphic Designer	125	hours	\$	69	\$	8,681
Technical Editor	75	hours	\$	104	\$	7,782
TOTAL Estimated Labor				\$		351,877

## PRICE/COST SCHEDULE

Option Year 2 (January 18, 2004 - January 17, 2005) - - No fixed price options are bid for option year 2

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
18.a	Software Maintenance - Compaq	1	year	\$ 785	\$ 785
18.b	Software Maintenance - Process Software	1	year	\$ 2,789	\$ 2,789
	TOTAL - Software Maintenance				\$ 3,574
19	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)	1	year	\$ 326	\$ 326
20	Other Hardware Maintenance VT320 System Consoles with attached LA- 75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	1	year	\$ 5,769	\$ 5,769

21 Equipment Rental for Development System	12 months	\$ 433	\$ 5,195
22 Telephone Service Charges	12 months	\$ 520	\$ 6,239
Monthly Service Long Distance			
22.a Pager	1 year	\$ 176	\$ 176
23 Plant Modem Maintenance	12 each	\$ 192	\$ 2,304
24 Training			
NRC Headquarters	4 sessions	\$ 114	\$ 456
Region I	1 sessions	\$ 114	\$ 114
Region II	1 sessions	\$ 114	\$ 114
Region III	1 sessions	\$ 114	\$ 114
Region IV	1 sessions	\$ 114	\$ 114
TTC	1 sessions	\$ 114	\$ 114

TOTAL Training Costs \$ 1,027

Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping

## 24.a Travel

## 25 Labor Category

Project Manager	350 hours	\$ 126	\$ 44,108
Lead Software Engineer	1500 hours	\$ 120	\$ 179,988
Software Engineer*	1000 hours	\$ 110	\$ 110,034
Engineer 36		\$ 146	
Engineer 35		\$ 135	
Engineer 34		\$ 124	
Engineer 33		\$ 114	
Engineer 32		\$ 105	
Engineer 31		\$ 97	
Engineer 30		\$ 89	
Hardware Engineer*	80 hours	\$ 110	\$ 8,803
Administrative Support	75 hours	\$ 54	\$ 4,019
Graphic Designer	125 hours	\$ 76	\$ 9,550
Technical Editor	75 hours	\$ 107	\$ 8,050

TOTAL Estimated Labor \$ 364,551

## Notes on Third Party Hardware and Software Maintenance Agreements for ERDS

1. The Compaq Software Maintenance bid includes the following items.

Model Number	Description	Quantity
QT-MT1AE-AR	OVMS Alpha 1000 4/200 Software Support Service	1
QT-MU7AE-L9	Compaq C V/A Layered Product Support (LPS)	2
QT-0W1AE-L9	CMS V/A LPS	2
QT-MV1AE-L9	Digital FORTRAN V/A LPS	2
QT-03XAA-C8	SW LP PKG V/A DOC/CDRM SVC Consolidated Distribution Service	1
QT-MT1AA-E8	OVMS Alpha bin+Onln Doc MDDS CD, Media and Doc Distribution Service	1
QT-MT1AE-NR	OVMS Alpha 1000 4/200 Software Node Service	3

2. The unit price for the Compaq software maintenance includes an escalation factor for base years 2 and 3. Conversations with Compaq indicate that a 5-7% increase per year can be anticipated.
3. The unit price for the Process Software maintenance includes an escalation factor for base years 2 and 3. The price for the Process Software maintenance has increased 10% from 1999 to 2000.
4. The Compaq hardware maintenance has been expanded to include all four Alpha Server 1000's and accompanying tape drives. No costs were included in the first proposal for maintenance of the development computers.
5. The unit price for the Compaq hardware maintenance includes an escalation factor for base years 2 and 3. Conversations with Compaq indicate that a 5-7% increase per year can be anticipated.

Scientech, Inc.

Page 1 of 2

FINAL INDIRECT COST RATE AGREEMENT FOR FISCAL YEARS 1997 and 1998CONTRACTOR

Name: Scientech Inc.  
 Address: 440 West Broadway  
 Idaho Falls, ID 83402

The U. S. Department of Energy (DOE), Albuquerque Operations Office, Albuquerque Financial Service Center, hereby approves final indirect cost rates for all U. S. Government contracts active during the fiscal years specified. The following negotiated final indirect cost rates are based on your incurred cost proposals for FY 1997 and 1998 and the audit reports by the Defense Contract Audit Agency dated December 23, 1999 numbered 4261-1997T10100611 and numbered 4261-1998T10100611 respectively and our analysis.

<u>Region/Division</u>	<u>Indirect Cost Pool</u>	<u>Allocation Base</u>	<u>Final Rate Fiscal Year 1997</u>	<u>Final Rate Fiscal Year 1998</u>
Fringe Benefits	Full Fringe	(a)	31.32%	33.87%
	Reduced Fringe	(a)	11.84%	11.94%
Corporate	G&A	(b)	9.20%	8.20%
	Common	(c)	2.31%	12.82%
North Region	G&A	(b)	10.94%	9.18%
	Common	(c)	46.83%	50.71%
	Facilities	(c)	18.64%	22.04%
East Region	G&A	(b)	9.94%	9.70%
	Common	(c)	28.49%	38.25%
	Facilities	(c)	17.91%	21.24%
NuStaff	G&A	(b)	N/A	14.27%
	Common	(c)	N/A	0.07%
Southwest Region	G&A	(b)	10.48%	8.90%
	Common	(c)	36.15%	41.98%
	Facilities	(c)	15.40%	20.20%
Facilities Capital Cost of Money				
	Corporate	(c)	.035%	.029%
	North Region	(c)	.796%	.213%
	East Region	(c)	.312%	.158%
	NuStaff		N/A	N/A
	Southwest Region	(c)	1.067%	.443%

Fiscal Year: February 1 through January 31.

## Allocation Base

- (a) Total Labor
- (b) Total Cost Input
- (c) Direct Labor (including B&P)

Contracts may be closed and costs finalized for the specified fiscal year using these approved final indirect cost rates. However, this agreement does not change any monetary ceiling, contract obligation or specific cost allowance or disallowance provided for in any U. S. Government contract. Additionally, if any contract contains indirect cost rate ceilings, and these

Sci entech, Inc.

Page 2 of 2

rates are lower than the above final indirect cost rates, approval is limited to the lower rates.

If, during the period of performance of any contract, billing rates have not been established for a particular fiscal year, those rates most recently approved by the Cognizant Contracting Officer shall continue to be billed until new billing rates have been approved by the Cognizant Contracting Officer. These approved final indirect cost rates shall not be used in place of the approved billing rates without the specific written consent of the Cognizant Contracting Officer.

Billing rates, at the request of either party, may be revised by mutual agreement, either retroactively or prospectively.

It is agreed that as soon as possible, but not later than ninety (90) days after expiration of its fiscal year, the contractor will submit to the undersigned Cognizant Contracting Officer proposed final indirect cost rates for that period, based on actual cost experience during that period, together with supporting cost data.

**COGNIZANT DOE CONTRACTING OFFICE**

U. S. Department of Energy  
Albuquerque Operations Office  
Albuquerque Financial Service Center  
P. O. Box 5400  
Albuquerque, NM 87185-5400


**FOR THE CONTRACTOR**

  
\_\_\_\_\_  
Signature

Scott Robuck CFO  
\_\_\_\_\_  
Name and Title

1-5-00  
\_\_\_\_\_  
Date

**FOR THE U.S. DEPARTMENT OF ENERGY**

  
\_\_\_\_\_  
Signature

Herman Smith  
Cognizant Contracting Officer  
Telephone (505) 845-4107

\_\_\_\_\_  
Name and Title

12-28-98  
\_\_\_\_\_  
Date

<sup>1</sup> Throughout this agreement, the term "contract" is meant to include both contracts and financial assistance agreements and the term "contractor" is meant to include both contractors and financial assistance recipients.

**U.S. Nuclear Regulatory Commission  
Division of Contracts and Property Management  
Contract Management Branch 2**

**January 19, 2000**

**Note to: Martin Moore, Scientech, Inc.  
(208) 524-9379 (Office)  
(208) 524-9282 (Facsimile)**

**From: *John* DuBose, Contract Specialist  
(301) 415-6578 (Office)  
(301) 415-8157 (Facsimile)**

**Subject: Revised Schedule Under RS-AED-00-300 Entitled  
"ERDS Maintenance"**

**Attached is a copy of the Schedule, as revised by the NRC, which will be reflected in the final contract award document for the subject requirement. I would appreciate if you would complete the Schedule with your organization's prices and return it to me by fax. As the current contract will expire on January 31, 2000, I am trying to prepare the award document and submit it to the Contracting Officer for signature not later than January 21, 2000.**

**Thank you in advance for your usual cooperation.**

**Please call me on (301) 415-6578 should you have any questions/concerns.**



January 20, 2000

United States Nuclear Regulatory Commission  
Division of Contracts and Property Management  
Attn: Ms. Brenda DuBose  
11545 Rockville Pike  
Rockville, MD 20852

Subject: ERDS Maintenance RFP No. RS-AED-00-300  
Revised Schedule January 19, 2000 letter

Dear Ms. DuBose:

Pursuant to your January 19, 2000 letter, attached is the spreadsheet containing the NRC revised Schedule.

Please call me at (208) 524-9379 with any questions.

Sincerely,

A handwritten signature in cursive script that reads "Martin Moore".

Martin Moore  
Contract Administrator

*See calculation changes  
on fax copy.*

File: 99000-0001-055



## PRICE/COST SCHEDULE

Contract Year 1 (February 1, 2000 - January 31, 2001)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq Software Maintenance - Process	12	months	\$ 646	\$ 7,750
1.b	Software	1	years	\$ 2,127	\$ 2,127
	TOTAL - Software Maintenance				\$ 9,878
2	Hardware Maintenance - Compaq DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)	12	months	\$ 258	\$ 3,100
3	Other Hardware Maintenance VT320 System Consoles with attached LA-75 Printers (2) T-Bar Switch DECServer 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet	1	years		\$ 5,244
4	Equipment Rental for Development System	12	months	\$ 394	\$ 4,723
5	Telephone Service Charges Monthly Service Long Distance	12	months	\$ 435	\$ 5,215
6	Pager	1	years	\$ 160	\$ 160
7	Shipping	12	months	\$ 21	\$ 246
8	Plant Modem Maintenance	12	each	\$ 175	\$ 2,094
9	Training Costs				
	NRC Headquarters	2	sessions	\$ 102	\$ 204
	Region I	1	sessions	\$ 102	\$ 102
	Region II	1	sessions	\$ 102	\$ 102
	Region III	1	sessions	\$ 102	\$ 102
	Region IV	1	sessions	\$ 102	\$ 102
	TOTAL Training Costs				\$ 613
	Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping				
	TOTAL Estimated Hardware Costs Year One				\$ 31,273
10	Travel				
	NRC Headquarters	3	trips	\$ 2,418	\$ 7,255
	Region I	1	trips	\$ 2,202	\$ 2,202
	Region II	1	trips	\$ 2,230	\$ 2,230
	Region III	1	trips	\$ 2,487	\$ 2,487
	Region IV	1	trips	\$ 2,116	\$ 2,116
	Total Travel				\$ 16,289

## 11 Labor Category

Project Manager	300	hours	\$	110	\$	33,023
Lead Software Engineer	1100	hours	\$	105	\$	115,290
Software Engineer*	900	hours	\$	96	\$	86,500
Engineer 36			\$	127		
Engineer 35			\$	118		
Engineer 34			\$	109		
Engineer 33			\$	100		
Engineer 32			\$	92		
Engineer 31			\$	84		
Engineer 30			\$	78		
Hardware Engineer	50	hours	\$	96	\$	4,806
Administrative Support	75	hours	\$	47	\$	3,511
Graphic Designer	75	hours	\$	52	\$	3,913
Technical Editor	60	hours	\$	94	\$	5,625

TOTAL Estimated Labor - Year One 2560 \$ 252,667

\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

TOTAL Estimated Cost Year One \$ 300,229

## PRICE/COST SCHEDULE

Option Year 1 (Contract Year 2 - February 1, 2001 - January 31, 2002)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq	12	months	\$ 678	\$ 8,138
	Software Maintenance - Process				
1.b	Software	1	years	\$ 2,127	\$ 2,127
	TOTAL - Software Maintenance				\$ 10,265
2	Hardware Maintenance - Compaq	12	months	\$ 271	\$ 3,255
	DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)				
3	Other Hardware Maintenance	1	years	\$ 2,884	\$ 2,884
	VT320 System Consoles with attached LA-75 Printers (2)				
	T-Bar Switch				
	DECServer 700				
	SynOptic Lattis Hub 2813-05				
	CISCO Router Model 2514				
	RX400 Cabinet including RF72 hard drive and TF85 tape drive				
	Modems in T-Bar Cabinet				
	Equipment Rental for Development				
4	System	12	months	\$ 394	\$ 4,723
5	Telephone Service Charges	12	months	\$ 492	\$ 5,900
	Monthly Service				
	Long Distance				
6	Pager	1	years	\$ 160	\$ 160
7	Shipping	12	months	\$ 23	\$ 271
8	Plant Modem Maintenance	12	each	\$ 192	\$ 2,304

## 9 Training Costs

NRC Headquarters	2 sessions	\$ 114	\$ 228
Region I	1 sessions	\$ 114	\$ 114
Region II	1 sessions	\$ 114	\$ 114
Region III	1 sessions	\$ 114	\$ 114
Region IV	1 sessions	\$ 114	\$ 114

TOTAL Training Costs \$ 684

Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping

## TOTAL Estimated Hardware Costs Year

Two \$ 30,446

## 10 Travel

NRC Headquarters	2 trips	\$ 2,418	\$ 4,837
Region I	1 trips	\$ 2,202	\$ 2,202
Region II	1 trips	\$ 2,230	\$ 2,230
Region III	1 trips	\$ 2,487	\$ 2,487
Region IV	1 trips	\$ 2,116	\$ 2,116

Total Travel \$ 13,871

## 11 Labor Category

Project Manager	300 hours	\$ 114	\$ 34,159
Lead Software Engineer	1100 hours	\$ 108	\$ 119,256
Software Engineer*	900 hours	\$ 99	\$ 89,475
Engineer 36		\$ 131	
Engineer 35		\$ 122	
Engineer 34		\$ 112	
Engineer 33		\$ 103	
Engineer 32		\$ 95	
Engineer 31		\$ 87	
Engineer 30		\$ 81	
Hardware Engineer	50 hours	\$ 99	\$ 4,971
Administrative Support	75 hours	\$ 48	\$ 3,632
Graphic Designer	75 hours	\$ 57	\$ 4,305
Technical Editor	60 hours	\$ 97	\$ 5,819

TOTAL Estimated Labor - Year Two 2560 \$ 261,615

\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

TOTAL Estimated Cost Year Two \$ 305,932

## PRICE/COST SCHEDULE

Option Year 2 (Contract Year 3 - February 1, 2002 - January 31, 2003)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq	12	months	\$ 712	\$ 8,545
	Software Maintenance - Process				
1.b	Software	1	years	\$ 2,538	\$ 2,538
	TOTAL - Software Maintenance				\$ 11,083
2	Hardware Maintenance - Compaq	12	months	\$ 285	\$ 3,417
	DEC AlphaServer 1000 with attached				
	TLZ07 DAT tape drive (4)				

3 Other Hardware Maintenance	1	years	\$	2,884	\$	2,884
VT320 System Consoles with attached						
LA-75 Printers (2)						
T-Bar Switch						
DECServer 700						
SynOptic Lattis Hub 2813-05						
CISCO Router Model 2514						
RX400 Cabinet including RF72 hard						
drive and TF85 tape drive						
Modems in T-Bar Cabinet						
Equipment Rental for Development						
4 System	12	months	\$	394	\$	4,723
5 Telephone Service Charges	12	months	\$	549	\$	6,584
Monthly Service						
Long Distance						
6 Pager	1	years	\$	160	\$	160
7 Shipping	12	months	\$	25	\$	298
8 Plant Modem Maintenance	12	each	\$	211	\$	2,534
9 Training Costs						
NRC Headquarters	2	sessions	\$	114	\$	228
Region I	1	sessions	\$	114	\$	114
Region II	1	sessions	\$	114	\$	114
Region III	1	sessions	\$	114	\$	114
Region IV	1	sessions	\$	114	\$	114
TOTAL Training Costs					\$	684
Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping						
TOTAL Estimated Hardware Costs Year						
Three					\$	32,368
10 Travel						
NRC Headquarters	2	trips	\$	2,418	\$	4,837
Region I	1	trips	\$	2,202	\$	2,202
Region II	1	trips	\$	2,230	\$	2,230
Region III	1	trips	\$	2,487	\$	2,487
Region IV	1	trips	\$	2,116	\$	2,116
Total Travel					\$	13,871
11 Labor Category						
Project Manager	300	hours	\$	118	\$	35,334
Lead Software Engineer	1100	hours	\$	112	\$	123,358
Software Engineer*	900	hours	\$	103	\$	92,553
Engineer 36			\$	136		
Engineer 35			\$	126		
Engineer 34			\$	116		
Engineer 33			\$	107		
Engineer 32			\$	98		
Engineer 31			\$	90		
Engineer 30			\$	83		
Hardware Engineer	50	hours	\$	103	\$	5,142
Administrative Support	75	hours	\$	50	\$	3,756
Graphic Designer	75	hours	\$	63	\$	4,735
Technical Editor	60	hours	\$	100	\$	6,019
TOTAL Estimated Labor - Year Three	2560				\$	270,897

\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

TOTAL Estimated Cost Year Three \$ 317,136

# PRICE/COST SCHEDULE

Option Year 3 (Contract Year 4 - February 1, 2003 - January 31, 2004)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq	12	months	\$ 783	\$ 9,399
	Software Maintenance - Process				
1.b	Software	1	years	\$ 2,789	\$ 2,789
	TOTAL - Software Maintenance				\$ 12,188
2	Hardware Maintenance - Compaq	12	months	\$ 299	\$ 3,588
	DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)				
3	Other Hardware Maintenance	1	years	\$ 5,769	\$ 5,769
	VT320 System Consoles with attached LA-75 Printers (2) T-Bar Switch DECSERVER 700 SynOptic Lattis Hub 2813-05 CISCO Router Model 2514 RX400 Cabinet including RF72 hard drive and TF85 tape drive Modems in T-Bar Cabinet				
4	Equipment Rental for Development System	12	months	\$ 433	\$ 5,195
5	Telephone Service Charges Monthly Service Long Distance	12	months	\$ 604	\$ 7,243
6	Pager	1	years	\$ 176	\$ 176
7	Shipping	12	months	\$ 27	\$ 328
8	Plant Modem Maintenance	12	each	\$ 232	\$ 2,788
9	Training Costs				
	NRC Headquarters	2	sessions	\$ 114	\$ 228
	Region I	1	sessions	\$ 114	\$ 114
	Region II	1	sessions	\$ 114	\$ 114
	Region III	1	sessions	\$ 114	\$ 114
	Region IV	1	sessions	\$ 114	\$ 114
	TOTAL Training Costs				\$ 684
	Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping				
	TOTAL Estimated Hardware Costs Year Four				\$ 37,959

## 10 Travel

NRC Headquarters	2	trips	\$	2,418	\$	4,837
Region I	1	trips	\$	2,202	\$	2,202
Region II	1	trips	\$	2,230	\$	2,230
Region III	1	trips	\$	2,487	\$	2,487
Region IV	1	trips	\$	2,116	\$	2,116
Total Travel					\$	13,871

## 11 Labor Category

Project Manager	300	hours	\$	122	\$	36,549
Lead Software Engineer	1100	hours	\$	116	\$	127,602
Software Engineer*	900	hours	\$	106	\$	95,737
Engineer 36			\$	140		
Engineer 35			\$	130		
Engineer 34			\$	120		
Engineer 33			\$	110		
Engineer 32			\$	101		
Engineer 31			\$	93		
Engineer 30			\$	86		
Hardware Engineer	50	hours	\$	106	\$	5,319
Administrative Support	75	hours	\$	52	\$	3,886
Graphic Designer	75	hours	\$	69	\$	5,209
Technical Editor	60	hours	\$	104	\$	6,226

TOTAL Estimated Labor - Year Four 2560 \$ 280,527

\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

TOTAL Estimated Cost Year Four \$ 332,357

## PRICE/COST SCHEDULE

Option Year 4 (Contract Year 5 - February 1, 2004 - January 31, 2005)

CLIN No.	Description	Estimated Quantity	Unit	Fixed Unit Price	Total Estimated Amount
1.a	Software Maintenance - Compaq	12	months	\$ 822	\$ 9,869
	Software Maintenance - Process				
1.b	Software	1	years	\$ 2,789	\$ 2,789
	TOTAL - Software Maintenance				\$ 12,658
2	Hardware Maintenance - Compaq	12	months	\$ 320	\$ 3,839
	DEC AlphaServer 1000 with attached TLZ07 DAT tape drive (4)				
3	Other Hardware Maintenance	1	years	\$ 5,769	\$ 5,769
	VT320 System Consoles with attached LA-75 Printers (2)				
	T-Bar Switch				
	DECServer 700				
	SynOptic Lattis Hub 2813-05				
	CISCO Router Model 2514				
	RX400 Cabinet including RF72 hard drive and TF85 tape drive				
	Modems in T-Bar Cabinet				
	Equipment Rental for Development				
4	System	12	months	\$ 433	\$ 5,195

5 Telephone Service Charges	12 months	\$ 658	\$ 7,892
Monthly Service			
Long Distance			

6 Pager	1 years	\$ 176	\$ 176
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7 Shipping	12 months	\$ 30	\$ 361
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8 Plant Modem Maintenance	12 each	\$ 256	\$ 3,066
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## 9 Training Costs

NRC Headquarters	2 sessions	\$ 114	\$ 228
Region I	1 sessions	\$ 114	\$ 114
Region II	1 sessions	\$ 114	\$ 114
Region III	1 sessions	\$ 114	\$ 114
Region IV	1 sessions	\$ 114	\$ 114

TOTAL Training Costs		\$ 684
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Note 1 - Training Costs do not include travel, they only include training material reproduction and shipping

TOTAL Estimated Hardware Costs Year Five	\$ 39,640
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## 10 Travel

NRC Headquarters	2 trips	\$ 2,418	\$ 4,837
Region I	1 trips	\$ 2,202	\$ 2,202
Region II	1 trips	\$ 2,230	\$ 2,230
Region III	1 trips	\$ 2,487	\$ 2,487
Region IV	1 trips	\$ 2,116	\$ 2,116

Total Travel	\$ 13,871
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## 11 Labor Category

Project Manager	300 hours	\$ 126	\$ 37,806
Lead Software Engineer	1100 hours	\$ 120	\$ 131,991
Software Engineer*	900 hours	\$ 110	\$ 99,030
Engineer 36		\$ 145	
Engineer 35		\$ 135	
Engineer 34		\$ 124	
Engineer 33		\$ 114	
Engineer 32		\$ 105	
Engineer 31		\$ 97	
Engineer 30		\$ 89	
Hardware Engineer	50 hours	\$ 110	\$ 5,502
Administrative Support	75 hours	\$ 54	\$ 4,019
Graphic Designer	75 hours	\$ 76	\$ 5,730
Technical Editor	60 hours	\$ 107	\$ 6,440

TOTAL Estimated Labor - Year Five	2560	\$ 290,519
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\*Engineer rate is an average rate determined by an hourly weight of Engineer 30 - 36

TOTAL Estimated Cost Year Five	\$ 344,030
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440 W. Broadway  
Idaho Falls, ID 83402

Phone: (208) 524-9379  
Fax: (208) 524-9282

**FAX TRANSMITTAL**

Date: January 13, 2000 FROM: Martin Moore

TO: Brenda DuBose Fax No.: 301/415-8157

Company: US Nuclear Regulatory Commission Verify No.:

City/State: Rockville, MD

Total Pages 2 (Including this page)

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OCI Certification.



2052.209-72 CONTRACTOR ORGANIZATIONAL CONFLICTS OF  
INTEREST REPRESENTATION

represent to the best of my knowledge and belief that:

The award to SCIENTECH of a contract or the  
modification of an existing contract does ☐ does not ☒ involve  
situations or relationships of the type set forth in 48 CFR 2009.570-3(b).

a) If the representation, as completed, indicates that situations  
or relationships of the type set forth in 48 CFR 2009.570-3(b)  
are involved, or the contracting officer otherwise determines  
that potential organizational conflicts of interest exist, the  
offeror shall provide a statement in writing which describes  
in a concise manner all relevant factors bearing on his representation  
to the contracting officer. If the contracting officer determines  
that organizational conflicts exist, the following actions may  
be taken:

- 1) Impose appropriate conditions which avoid such conflicts,
- 2) Disqualify the offeror, or
- 3) Determine that it is otherwise in the best interest of the  
United States to seek award of the contract under the waiver  
provisions of 48 CFR 2009-570-9.

b) The refusal to provide the representation required by 48  
CFR 2009.570-4(b), or upon request of the contracting officer,  
the facts required by 48 CFR 2009.570-3(b), must result in disqualification  
of the offeror for award.

Martin Moore  
Name of Authorized Representative

1/12/00  
Date

UNCLASSIFIED

FACSIMILE TRANSMITTAL ROUTING SHEET

PAGES 1 INCLUDING COVER SHEET

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TO:        ATTENTION: Brenda Dabotcia, Contract Specialist  
            COMPANY:    U.S. Nuclear Regulatory commission  
                         Contracts & Property Management Division  
            LOCATION:   Rockville, MD 20852  
            FAX NUMBER:   (301) 415-8157

---

FROM:      Herman Smith

U.S. DEPARTMENT OF ENERGY  
ALBUQUERQUE OPERATIONS OFFICE  
ALBUQUERQUE FINANCIAL SERVICE CENTER  
FINANCIAL POLICY, SYSTEMS & REPORTING BRANCH

TELEPHONE:   VOICE    (505) 345-4107  
                 FAX      (505) 284-7140

---

My office does not have the information you requested on Scientech concerning direct labor rates. I am the Cognizant Contracting Officer for indirect rates only. I have contacted the Contracting Officer who is responsible for the contract and he stated he could not help you since he only has specific individual labor rates.

You need to contact DCAA to confirm the rates in your proposal. The name of the auditor that I work with is Mike Zonner at 208-334-1451.

Attached is the provisional billing rate approval for FY2000. Call me if you have any questions. The paper copy is in the mail.

UNCLASSIFIED

**U.S. NUCLEAR REGULATORY COMMISSION  
DIVISION OF CONTRACTS AND PROPERTY MANAGEMENT**

Date: January 18, 2000

Facsimile to: U.S. Department of Energy  
Albuquerque Operations Office  
Albuquerque Financial Service Center  
ATT.: Luella Aragon  
Office: (505) 845-5855  
Fax: (505) 845-5060

From: *[Signature]* Brenda J. Daboecia, Contract Specialist  
U.S. Nuclear Regulatory Commission  
Division of Contracts and Property Management  
Contract Management Branch 2  
Office: (301) 415-6578  
Fax: (301) 415-8157

SUBJECT: PROPOSED HOURLY RATES PROPOSED BY SCIENTECH, INC.  
UNDER RS-AED-00-300 ENTITLED "EMERGENCY RESPONSE  
DATA SYSTEM (ERDS) MAINTENANCE"

The U.S. Nuclear Regulatory Commission (NRC) is in the process of negotiating a sole source procurement with SCIENTECH, Inc. to allow for continued maintenance of the NRC's ERDS. In response to the NRC's request for proposal, Scientech submitted a proposal on January 3, 2000, which was revised on January 11, 2000 (copy attached). Although Scientech has indicated in its offer that the hourly rates for the proposed labor categories are lower than its commercial rates, the NRC is requesting your review of the proposed rates to assist the NRC in making a determination as to whether the hourly rates proposed are fair and reasonable to the Government. As the current contract the NRC has with Scientech will expire on January 31, 2000, the NRC would appreciate your response as soon as possible.

Should you have any questions regarding this matter, please feel free to contact me at the above number. I would appreciate if you would return your response to me via fax at (301) 415-8157.

Thank you in advance for your cooperation.

Enclosure: As stated



January 12, 2000

United States Nuclear Regulatory Commission  
Division of Contracts and Property Management  
Attn: Ms. Brenda DuBose  
11545 Rockville Pike  
Rockville, MD 20852

Subject: ERDS Maintenance RFP No. RS-AED-00-300

Reference: Telephone Conference Call of January 12, 2000 between B. DuBose and J. Jolicoeur,  
(US NRC) and M. Moore and L. Saul (SCIENTECH).  
January 11, 2000-- Cost Proposal submittal

Dear Ms. DuBose:

As requested during the referenced telephone conference call today, please find the following enclosed items:

- Statement concerning outside maintenance of SCIENTECH's licensed software, (1 page).
- Contractor Organizational Conflicts of Interest Representation, signed copy of your fax, (1 page).
- December 28, 1999 correspondence from DOE-AL regarding Negotiated Final Indirect Cost Rates for Fiscal Years 1997 and 1998, (2 pages).

SCIENTECH will comply with Section C.12, *Year 2000 Warranty* provisions as contained in the subject RFP, with the following exception. SCIENTECH will not be responsible for Year 2000 Compliance or warranty of any third party software associated with ERDS Maintenance. SCIENTECH will verify for each third party software vendor that their software is Year 2000 Compliant and obtain compliance statements as necessary.

All other information contained in the cost and technical proposal submitted January 3, 2000 and the resubmitted cost proposal of January 11, 2000 remains unchanged.

Please call me at (208) 524-9379 or Lynne Saul at (208) 524-9371 with any questions.

Sincerely,

A handwritten signature in cursive script that reads "Martin Moore".

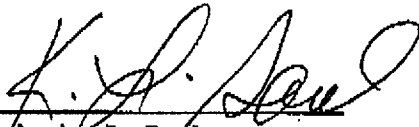
Martin Moore  
Contract Administrator


Enclosure: as noted

File: 99000-0001-055



SCIENTECH does not license any third party to maintain its proprietary software,  
R\*TIME®. R\*TIME/WIN is part of R\*TIME®.

  
Katherine L. Saul

  
Date

FEB 03 2000

MEMORANDUM TO: John R. Jolicoeur, Project Officer

FROM: Sharon D. Stewart, Contracting Officer  
Contract Management Branch 2  
Division of Contracts and Property Management

SUBJECT: DESIGNATION OF PROJECT OFFICER

You are hereby designated as the Project Officer for Contract No. NRC-26-00-300 with Scientech (copy attached). Your responsibilities and extent of authority as Project Officer are described in Section C of the contract.

Additionally, you are required to be familiar with NRC Management Directive and Handbook 11.1, particularly "Part 11: Contract Administration." You are required to forward copies of all correspondence with the contractor to the Contract Specialist. Prior Contracting Officer concurrence may be required for some correspondence and others, such as changes to the terms and conditions, funding or schedule of the contract, may be forwarded to the contractor only over the Contracting Officer's signature. Additionally, the Contract Specialist should be advised in advance of any scheduled meetings with the contractor.

You are required to comply with the Handbook, "Part 11.5: Review of Contractor Invoice/Voucher." While this Management Directive and Handbook 11.1 and the NRC Form 292 included therein require your assessment of the contractor's overall performance in the review of submitted contractor invoices, it is suggested that any potential contractor problems be brought to the attention of the Contract Specialist as early as possible so that positive and timely corrective action can be initiated.

Mutual cooperation is essential to the success of this contract. To that end, the Contract Specialist will be contacting you within the next two weeks to discuss the obligations of the contractor and NRC under the contract. Should you have any questions regarding this delegation of authority or require assistance, please contact Brenda DuBose on 415-6578.

Attachment: As stated

**DISTRIBUTION:** MRoos CMB2 R/F

ADM/DCPM/CMB2	ADM/DCPM/CMB2
BJDuBose <i>BJDuBose</i>	SDStewart <i>SDStewart</i>
2/02/00	2/3/00

OFFICIAL RECORD COPY

**FEB 03 2000**

**MEMORANDUM TO:** Dennis K. Rathbun, Director  
Congressional Affairs  
Office of Governmental and Public Affairs

**FROM:** Sharon D. Stewart, Contracting Officer  
Contract Management Branch No. 2  
Division of Contracts and Property Management

**SUBJECT:** CONTRACT NO. NRC-26-00-300

The following information is provided regarding the subject contract:

**Contractor Name:** Scientech  
**Address:** 440 West Broadway  
Idaho Falls, ID 83402

**Telephone Number:** (208)524-9379

**Title:** "Emergency Response Data System Maintenance"

**Brief Description:** The contractor is responsible for providing maintenance for the emergency response data system hardware and software.

**Period of Performance:** February 1, 2000 through January 31, 2001

**Date of Award:** January 28, 2000

**Total Contract Amount:** \$300,345.00 for the base year;  
\$305,071.00 for the optional second year;  
\$317,174.00 for the optional third year;  
\$332,04.00 for the optional fourth year;  
\$343,987.00 for the optional fifth year

**Sponsor:** Office of Incident Response

If you have any questions or need additional information, please contact Brenda DuBose on 415-6578.

cc: William Beecher, OPA

**DISTRIBUTION:** MRoos CMB2 R/F

ADM/DCPM/CMB2 ADM/DCPM/CMB2

BJDuBose *BJD* SDStewart *SDS*

2/02/00 2/3 /00

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