

MONTHLY PROGRESS REPORT
NUCLEAR REGULATORY COMMISSION

Contract Number NRC-02-86-006

DATE: 15 September 1987

TO: Distribution

FROM: E.T. Wooldridge, NASM Program Manager

VIA: Birger Andersen, SAIC Program Manager

SUBJECT: Monthly Progress Report for Period 10 July - 4 Sept. 1987

This report is submitted in accordance with paragraph F.1.1 of the subject contract.

I TECHNICAL

A. Technical Performance:

Work performed during this reporting period has concentrated on a number of key system integration issues which have resulted from hardware and software modifications and revisions. Specifically these have included revisions to the LaserData system drivers and data compression and monitor interface boards, and the Laserbank Link interface to the Sony optical disc drive and controller.

At a meeting held on 17 August a project review meeting was held to discuss the key items pending for completion of the pilot system. A summary of these items was received from the NRC/DWM on 24 August. The following section addresses the current status of each of these items.

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WM Project: WM-10, 11, 16
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A

1) Delivery of System Integration Plan, Coniguration Plan, and Operations Manual:

Drafts of these Plans and Manual have been delivered; markups have been returned to SAIC, and the documents are now in the final production process. Some very recent modifications to the system software and menu screens have required substantial changes to the operations manual and will delay the final production of this manual for about two weeks.

2) Slow response times for image file searches on the relational database:

A modification has been made to the Compiled dBase III program search structure which has substantially speeded up the retrieval time on the relational database queries. The current retrieval speed is limited by the system buffers required to support the Sony Optical Drive.

3) Delivery and installation of a fully indexed (Bluefish) text and Image Database:

Delivery of a fully indexed text and image database has been delivered. Further additions to this database has been requested by NRC, and will be completed early in October.

4) Delivery of a cost projection for the operation and maintenance of the optical system with a comparison to microfiche systems:

Delivery of a cost projection to compare the optical disk system with microfiche is projected for 30 September.

5) Delivery of a networking plan for the optical disk system
(future expansion alternatives:

Delivery of a networking plan for the optical disk system is
projected for September 30.

6) Expand the number of fields that can be searched in the
basic document image file:

The number of fields that can be searched in the basic
document file has been increased from two to five and now
include Accession number, author, addressee, file code and
date.

7) Prepare a report generation capability to provide daily,
weekly or monthly summaries of what the system has processed:

A report generation capability has been completed that
provides for the acceptance of user-selected parameters
(fields). Essentially, the same parameters can be specified
for a report as for a search.

8) Installation of the program to generate the Bluefish and
STAIRS ASCII text:

The installation of this was delayed pending the receipt and
debugging of J. Woodford's Basic program. The program has been
received, tested and modified and has been installed on the
system.

9) Resolution of the Palintir/IMENU interface to provide
usable ASCII text:

The problems associated with the IMENU interface has been
resolved and has been fully tested. The interface program is
currently installed and operational on the pilot system.

10) Establish quality control measures to assure the integrity and reliability of the database:

Procedures to assure quality control of the database have been developed and are now contained as part of the system operating procedures contained in the Operations Manual.

11) Delivery of a fully operational system operated by NRC personnel:

The Transitional Licensing Support System will be fully operational by NRC personnel with the delivery of the final system documentation on or about September 30.

B. Key Milestones Achieved:

All System hardware and software delivered to the NRC/DWM is functional and meets the system design specifications of the NRC Pilot Project.

C. Meetings and Field Trips:

1. A project review meeting was held on 17 August to discuss and resolve system hardware/software problems and issues. The resolution of these issues have all been addressed in the technical discussion section of this report.

II. COST EXPENDITURES

Cost expenditures provided in Attachment "A" reflect the cost expenditures for the reporting period. The labor expenditures include SAIC overhead, fringe and G&A charges against direct labor. Hardware/software cost expenditures include items that were delivered during the reporting period along with a cumulative list of all hardware/software received to date. ODC's and SAIC fee has been added to reflect the total cost to the NRC.

III. PERSONNEL ASSIGNED

Personnel assigned to the project during the reporting period are shown in Attachment "A" included are both time and cost expenditures for each SAIC staff member assigned to the project.

IV. PROJECTIONS OF COSTS

Projections of costs by month to completion of the tasks contained in the current statement of work and work breakdown structure (WBS) for the period 1 July 1986 thru 4 September 1987 is presented graphically in Attachment "B".

MONTHLY COST EXPENDITURES - 1 JULY thru 7 AUGUST 1987

ATTACHMENT "A"

Project: NRC Pilot Project - FY 86

Project Title: Demonstration of Laser Disc Technology for Licensing Records

Contract Number: NRC-02-86-006

LABOR COSTS EXPENDITURES

NAME	HOURS	COST	CUM. HOURS	CUM. COST
B. Andersen	0	\$0	932	\$70,483
M. Whitley	150	\$3,281	1521.5	\$33,283
S. Fullerton	0	\$0	260	\$12,344
A. Muller	0	\$0	190	\$13,704
A. Ratliff	0	\$0	182	\$5,469
R. Wells	0	\$0	778	\$48,158
R. Martella	0	\$0	216	\$10,643
M. Russell	0	\$0	55	\$1,587
Tech. Typist	0	\$0	12.5	\$247
	150.0	\$3,281	4147	\$195,917

HARDWARE COST EXPENDITURES

HARDWARE ITEM	MONTHLY COST	CUMULATIVE COST	DELIVERY	
Palantir CDP + Software		\$31,675	7/08/86	
Group L Search Software		\$756	7/31/86	
SONY Writable Optical Disk Sys.		\$14,545	8/01/86	
PRIAM DataTower (160MB + 60MB Tape)		\$7,714	8/15/86	
Instar Optical Disc Interface		\$1,626	8/15/86	
PC DOS 3.1 & Misc. Software		\$350	8/07/86	
IBM PC AT (Model 339)		\$3,865	9/03/86	
JRAM AT3 Memory Board		\$498	9/19/86	
Sanyo Monochrome Monitor		\$135	9/19/86	
RICOH IS-400 Scanner		\$7,700	10/10/86	
LaserData Display Subsystem		\$4,875	10/30/86	
LaserData Comp. Proc./Scan. Interface		\$2,025	10/30/86	
RICOH Laser Printer		\$4,060	10/30/86	
INDTech-AT Controller	\$2,650	\$2,650	2/25/87	
ISI 100MB WORM Drive	\$3,000	\$3,000	4/1/87	
LaserBank Link SONY Interface	\$3,000	\$3,000	7/5/87	
SONY CD-ROM Player & Interface	\$825	\$825	4/1/87	
	\$9,475	\$89,299		
Applied Overhead & Freight		\$4,911		
		\$94,210		\$94,210
NASM Overhead and Support Services		\$76,099		\$290,127
SAIC Technical Support SubContract		\$391,180		\$22,152
			Misc. ODC's	
Total NRC Contract to Smithsonian/NASM		\$467,279		\$312,279
			SAIC Fee @ 10%	\$31,228
Percent of Total Funds Allotted		74%		
Percent of SAIC Technical Support Subcontract		88%	Total Cumulative Cost	\$343,507

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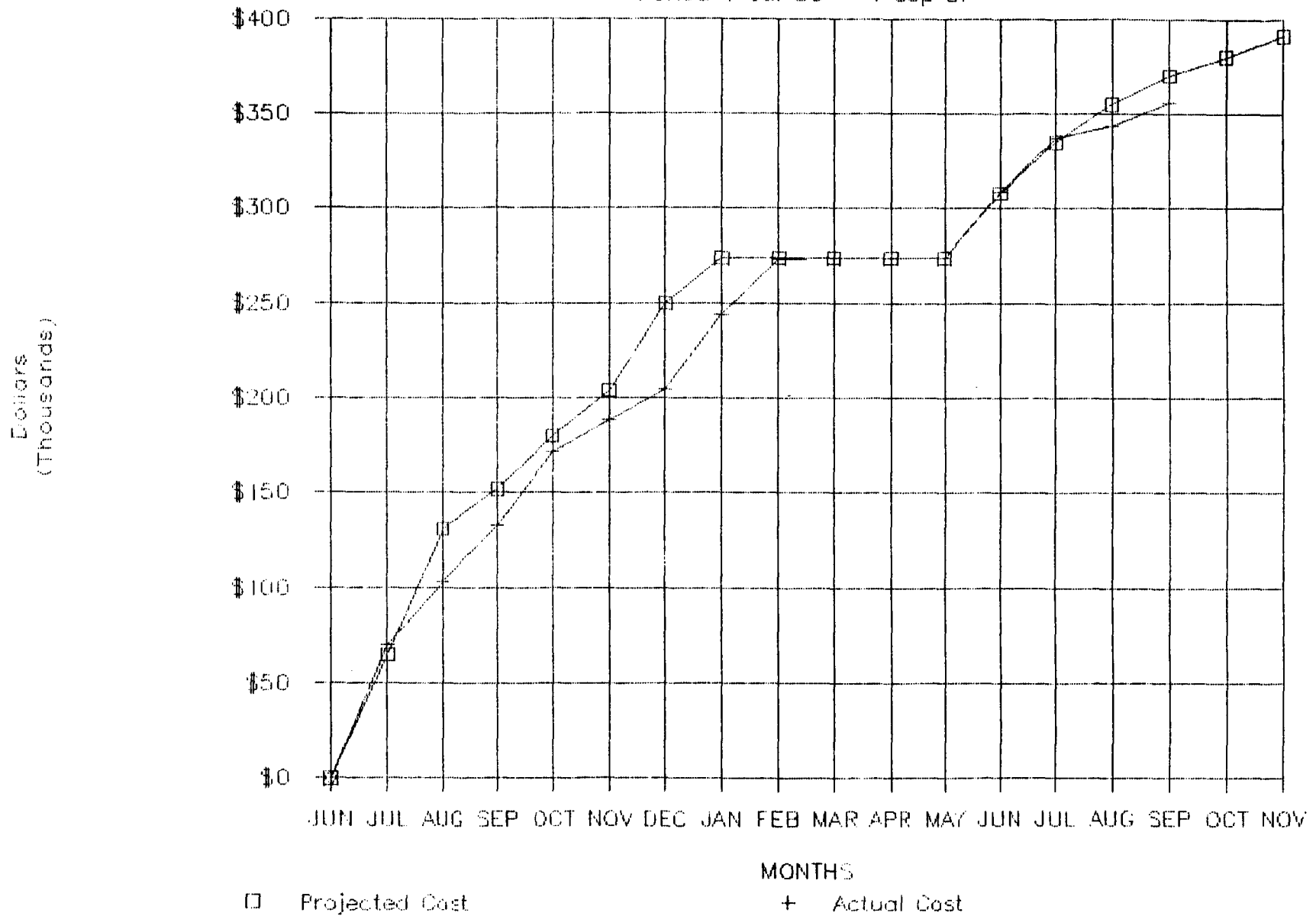
NAME	HOURS	COST	CUM. HOURS	CUM. COST
B. Andersen	4	\$303	936	\$70,785
M. Whitley	82	\$1,794	1603.5	\$35,077
S. Fullerton	0	\$0	260	\$12,344
A. Muller	0	\$0	190	\$13,704
A. Ratliff	0	\$0	182	\$5,469
R. Wells	64	\$3,962	842	\$52,120
R. Martella	0	\$0	216	\$10,643
M. Russell	0	\$0	55	\$1,587
E. Moore	72	\$2,768	72	\$2,768
Tech. Typist	0	\$0	12.5	\$247
	222.0	\$8,826	4369	\$204,743

HARDWARE COST EXPENDITURES

HARDWARE ITEM	MONTHLY COST	CUMULATIVE COST	DELIVERY	
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		\$94,210		\$94,210
NASM Overhead and Support Services		\$76,099		\$298,953
SAIC Technical Support SubContract		\$391,180		Misc. ODC's \$24,343
Total NRC Contract to Smithsonian/NASM		\$467,279		\$323,296
				SAIC Fee @ 10% \$32,330
Percent of Total Funds Allotted	76%			
Percent of SAIC Technical Support Subcontract	91%			Total Cumulative Cost \$355,626

PROJECTED VS ACTUAL COST CURVE

Period 1 Jul 86 -- 4 Sep 87



WM DOCKET CONTROL
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WM-RES
WM Record File

D1046
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WM Project 10, 11, 16

Docket No. _____

PDR ☒

LPDR ☒ (BATS)

Distribution:

Bender

J.D.B.

(Return to WM, 623-SS)

Joan-Ticket
Altomare