

June 10, 1981

TTN-W213

Mr. Craig D. Lebo
Contracting Officer
Division of Contracts
Office of Administration
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: DCS Hardware and Software Configuration
Reference: Lebo to Long letter dated May 13, 1981
Contract: NRC-10-78-580

Dear Mr. Lebo:

The above referenced letter requested TERA provide several equipment and software listings, a system schematic and a certification that the listings represented everything required to operate and maintain the DCS.

Accordingly, the following tables are submitted:

- Table 1 Computer Equipment Required for DCS
- Table 2 Micrographics Equipment Required for DCS
- Table 3 Test and Backup Equipment Required for DCS
- Table 4 Additional Items Not Identified in the Contract But Required for DCS Operations
- Table 5 Software Required for DCS
- Table 6 Video Related Computer and Micrographics Hardware, Test Equipment and Spare Parts

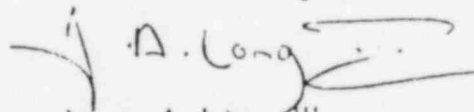
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Also enclosed is a signed certification stating that the equipment and software delineated in Tables 1 thru 5 is a complete list of everything required to operate and maintain the DCS. It should be noted that these tables do not include the Government Furnished Equipment currently utilized in the operation of the DCS.

The system schematic is currently under preparation and will be forwarded in the near future. If you have any questions regarding these tables or any other aspect of this submittal, do not hesitate to call.

Sincerely,



James A. Long, III
Vice President

Enclosures

cc: P. Rowe

JAL/lah



June 10, 1981

CERTIFICATION

This certifies that the Computer and Micrographics equipment, test and backup equipment, and software delineated in the attached Tables 1 thru 5 is all that is required to operate and maintain the NRC Document Control System exclusive of the video system.

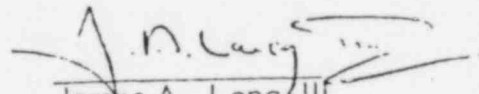

James A. Long, III
Vice President



TABLE I
COMPUTER EQUIPMENT

A SYSTEM

<u>QTY</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
1	8599	C/330 W/512KB ERCC
1	4075/77/78/79	Background Controller I/O, TTY, EIA, RTC
1	4075/77/78	Foreground Controller I/O, TTY, EIA
1	6061	192MB Disk Subsystem
1	6061A	192MB Disk Slave
1	6061A	192MB Disk Slave
1	4196A	1600 BPI Magnetic Tape Drive Subsystem
1	4251	Com Chassis
1	4253	Add-on Comm Chassis
1	4250	DCU-50
6	4255	ALM8
1	4257	ALM16
4	4261	EIA Interface Board
1	8414B	I/O Expansion Chassis
1	4241	ULM5
1	P300	Printronix, Printer Subsystem
1	6109	Foreground Terminal



TABLE I
(CONT'D)

B SYSTEM

<u>QTY</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
1	8599	C/330 W/512KB ERCC
1	4075/77/78/79	Background Controller I/O, TTY, EIA, RTC
1	4075/77/78	Foreground Controller I/O, TTY, EIA
1	6061	192MB Disk Subsystem
1	6061A	192MB Disk Slave
1	6061A	192MB Disk Slave
1	4196A	1600 BPI Magnetic Tape Drive Subsystem
1	4251	Com Chassis
1	4253	Add-on Comm Chassis
1	4250	DCU-50
6	4255	ALM8
1	4257	ALM16
4	4261	EIA Interface Board
1	8414B	I/O Expansion Chassis
1	4241	ULM5
1	P300	Printronix, Printer Subsystem
1	6102	Foreground Terminal



TABLE I
(CONT'D)

C SYSTEM

<u>QTY</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
1	8633-VA	C/350 with 1024 KB 4 Way INT
1	6061H	192MB Disk Subsystem w/High Speed Controller
1	6061A	192MB Slave
1	6061A	192MB Slave
1	6026	800/1600 BPI Magnetic Tape Subsystem
1	4245	660 LPM Printer Subsystem 96-ASCII
1	8642	Burst Multiplexor Channel
1	6109	Foreground Terminal
1	4075/77/78	Foreground Controller I/O, TTY, EIA
1	4251	Com Chassis
1	4250	DCU-50
3	4257	ALM-16
12	4261	EIA Interface Board
2	4241	ULM-5



TABLE I
(CONT'D)

D SYSTEM

<u>QTY</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
1	8633-VA	C/350 with 1024 KB 4 Way INT
1	6061H	192MB Disk Subsystem w/High Speed Controller
1	6061A	192MB Slave
1	6061A	192MB Slave
1	6026	Magnetic Tape Subsystem
1	4219	240 LPM Printer Subsystem 96-ASCII
1	8642	Burst Multiplexor Channel
1	6109	Foreground Terminal
1	4075/77/78	Foreground Controller I/O, TTY, EIA
1	4251	Com Chassis
1	4250	DCU-50
3	4257	ALM-16
12	4261	EIA Interface Board
2	4241	ULM-5



TABLE I
(CONT'D)

TERMINALS & COMMUNICATION

<u>QTY</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
58	56-6053, 2-6109	Data General, Digital Terminal
32	M8	Timeplex, Statistical Multiplexors
14	STD-1	DEI, Synchronous Short Haul Modem
1	9001, 9110, 9114	Develcon, Data Switch
6	404B	Gandolf, Synchronous Long Haul Modems



TABLE 2
MICROFILM EQUIPMENT

<u>QTY.</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
1	Versamat	Kodak, Film Processor with Accessories
1	OP-10	AM Bruning, Diazo Copier
2	T80 DUV	ESECO, Microfilm Densitometer
1	Documate II	TDC, Step and Repeat Camera
1	(None)	ISC, Precision Microfiche Cutter
1	COM 1200	Micro Design, Microfilm Reader for Quality Control (Manual)
1	2000E	3M, Aperture Card Camera/Processor
1	420 AA	3M, Aperture Card Duplicator
2	201	3M, Dry-Silver Reader/Printer for A/C
2		Microfiche Titling and Address Input Subsystem - Microprocessor Controller - Digital Display Terminal (6053) - Title Buffer Memory - Mini-terminal Control Keyboard and Display
1	129	IBM, Aperture Card Titler/Keypunch
1	Micron 780	Micro Design, Microfilm Reader for QC
3	3342	Realist, Desk Reader for A/C
3	(None)	File Cabinets for A/C
1	(None)	Refrigerator/Freezer
1	(None)	Storage Cabinet
1	(None)	Wetzler, Microscope
1	(None)	Jef-Steel, Light Table for Microfilm QC

TABLE 3
TEST AND BACKUP EQUIPMENT

<u>QTY.</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
1	422	Tektronix, Oscilloscope
1	22-209	Micronta, VTM Multimeter
1	(None)	Miscellaneous Components and Tool Kit
2	6061A	192MB Add-On Disk Drive
1	4218	300 LPM Printer Subsystem 64-ASCII
1	404B	Gandolf, Synchronous Long Haul Modem
1	SDT-1	DEI, Synchronous Short Haul Modem



TABLE 4

ADDITIONAL ITEMS NOT IDENTIFIED IN THE CONTRACT, BUT
REQUIRED FOR DCS OPERATIONS

<u>QTY.</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
4	Terminet 1200	G.E., Terminal-Printer (on-lease)
4	(None)	Pedistals for above (on-lease)
1	(None)	Wetzler, Microscope
1	Model 5	Wejaz, Sensitometer
2	Model 11	NMI, Microfiche Readers (24X)
1	(None)	Jef-Steel, Light Table for Microfilm QC
1	Rototrim	Beseler, Microfilm Cutter



TABLE 5

SOFTWARE*

<u>DATA GENERAL</u>	<u>QUANTITY</u>
1. RDOS/INFOS	3
2. RDOS/INFOS Sort/Merge	3
3. RDOS FORTRAN V	3
4. AOS	1
5. AOS FORTRAN V	1
6. AOS Sort/Merge	1
7. AOS INFOS II	1
8. AOS AZ-TEXT	1

TERA

- | | |
|---|---|
| 1. ARMS - Automated Records Management System | 3 |
|---|---|

* Based on a 4 processor system, one processor running AOS for abstracts data entry and editing, and 3 processors running RDOS and ARMS for Document Control System data entry, user searches, reports, program modifications, and routine operations and maintenance activities.



TABLE 6
VIDEO RELATED EQUIPMENT

HARDWARE

<u>QTY.</u>	<u>PART NO. OR MODEL</u>	<u>DESCRIPTION</u>
10	(None)	Carousels and Assoc. Elec.
1	(None)	VSC Video System Controller
1	CD 80	80 MByte Ampex Drive with Subsystem ZBec Cont.
12	(None)	Video Terminals and Assoc. Elec.
6	1600 A	Versatec Hard copy and Assoc. Elec.

MICROGRAPHICS

1	(None)	ISC, QC Registration Viewer
1	(None)	ISC, Tabbing Equipment

TEST EQUIPMENT

1	(None)	Test Generator
1	CONRAC	Test Monitor
1	(None)	Spectrum Analyzer

SPARE PARTS

1	(None)	Input Switches and Modulator Bay
1	(None)	Miscellaneous Circuit Boards and Components



FOIA-83-224

rec'd 5/6/83

May 2, 1983

Director, Office Of Administration
Freedom of Information Act
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Under the Freedom of Information Act I am requesting NRC Document Control System documents concerning the following:

- X 1. Reports resulting from work performed under contract NRC 10-81-410 and modifications thereto;
- 2. Reports resulting from work performed under contract NRC 10-81-421 and modifications thereto including work performed by the NRC staff related to contract tasks, especially data concerning Document Control System user needs;
- 3. Reports prepared by the NRC staff, task forces and contractors resulting from studies of what changes might be made to the Document Control System to improve the system and make it more responsive to user needs; and
- 4. Monthly progress reports submitted by the contractor responsible for the operation and maintenance of the Document Control System since February 3, 1983 under contract NRC 10-82-356. Reports on monthly system statistics, and innovations and improvements to the DCS identified by the contractor are also requested unless otherwise contained in the progress reports. Include material that indicates which innovations and improvements were adopted by the NRC and the status of their implementation;
- 5. A description of the work to be performed under all modifications to contract NRC 10-82-356 as it differs from the work to be performed under the basic contract. Include dollar changes for each Modification;
- 6. Material describing the organization and staffing of the Document Control System by the current contractor giving the number of staff performing each function and measures of their productivity and quality of performance for each month of the contract or as reported; and
- 7. Material identifying subcontractors to the prime contractor under contract NRC 10-82-356, the support they provide, and the dollar amount of their subcontracts (per month or quarter & cumulative total to date).

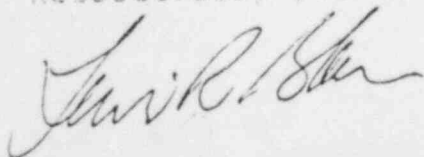
*Danny Bronberg -
Division of
Contracts*

Please send material to:

L. R. Blair
P. O. Box 187
Kensington, MD 20895

301-530-5326

Respectfully yours,



DIVISION OF CONTRACTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555

NOTIFICATION OF CONTRACT EXECUTION

CONTRACT NUMBER Rowe
 NRC-10-81-421 DCS-05A
 MODIFICATION NUMBER
 Two (2)
 NEW MODIFICATION
 OTHER (Specify)

TO: Patricia G. Norry, Deputy Director
 (Title)
Office of Administration
 (Organization)

CONTRACT BASED ON: RFPA
 AUTHORIZATION NUMBER
ADM-81-421
 DATE
11/16/81

FROM: Marie Page 2/23/82
 (Date)
 Contract Administrator
 DIVISION OF CONTRACTS, ADM

CONTRACT CHANGES PER THIS ACTION -
Increase of estimated cost.

CONTRACTOR (Name & Location)
Department of the Air Force (FEDSIM)
Washington, DC 20330

EXECUTION DATE
FEB 23 1982
 TYPE OF CONTRACT
Interagency Agreement

PROJECT TITLE
Analysis of the NRC Document Control System

PERIOD OF PERFORMANCE
8/17/81 - 3/31/82
 PRINCIPAL INVESTIGATOR
Jon A. Keeneth
Celesta B. Ball 202/274-7910
 NRC AUTHORIZED REPRESENTATIVE
Patrick Rowe IA-212

FUNDING	B&R NUMBER	Appropriation Symbol	AMOUNT
	41-20-25-902	31X0200.402	
	NEW NRC FUNDS		\$ 3,500.00
	TOTAL FY 81 FUNDING (Prior)		\$ 52,638.00
	TOTAL NRC OBLIGATIONS		\$ 56,138.00

GOVERNMENT PROPERTY
 N/A

ATTACHMENT(S) Modification No. 2,
Contract No. NRC-10-81-421
 CONTRACT DOCUMENT: 1 copy

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