

B1700 SOFTWARE SPECIFICATIONS

<u>Rel</u>	<u>Detroit</u>	<u>Rel</u>	
x	J. Cox - Corp. Prod. Mgmt.	x	D. Hill - TC, BM & SS
x	E. D. Earnest - CSG	x	V. Morton - GPS, BM & SS
x	B. Gould - International	x	E. A. Paulsen - TIO
x	H. R. Hayde - International	x	J. Shifman - CSG
x	J. J. Holton - International	x	C. Nash - International
x	D. Kosinski-Prod. Mgmt.	x	J. G. Cleary - SSG
<u>Rel</u>	<u>Plymouth</u>	<u>Rel</u>	<u>Villers</u>
x	D. O. Calkins	x	J. Cazanove
x	D. R. Bookwalter		
<u>Rel</u>	<u>Downingtown</u>	<u>Rel</u>	<u>Pantin</u>
x	C. P. Stein <i>J. Berta</i>	x	J. Gerain
<u>Rel</u>	<u>Paoli</u>	<u>Rel</u>	<u>Seneffe</u>
x	W. Minarcik	x	P. Cornil
x	G. Smolnik	<u>Rel</u>	<u>Liege</u>
<u>Rel</u>	<u>McLean</u>	x	J. C. Wery
x	R. J. Egger	x	A. W. Fell
		x	R. Bouvier
<u>Rel</u>	<u>Irvine</u>	<u>Rel</u>	<u>Middlesex</u>
x	L. DeBartello	x	P. R. Evans
<u>Rel</u>	<u>Pasadena</u>	<u>Rel</u>	<u>Glenrothes</u>
x	R. Solt	x	J. C. Allan
x	H. M. Townsend	<u>Rel</u>	<u>Wayne</u>
x	D. B. Prout - Patent Atty.	x	B. Bell
<u>Rel</u>	<u>Mission Viejo</u>	<u>Rel</u>	<u>Santa Barbara</u>
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x	E. Sweaney	3	A. Goodman
<u>Rel</u>	<u>Westlake</u>	x	J. Hale
x	J. J. Dowling	3	K. Meyers
<u>Rel</u>	<u>Gennevieliers</u>	x	A. van der Linden
x	A. Isola	2	J. Casey
		2	E. Munsch
<u>Rel</u>	<u>Cumbernauld</u>	x	E. Yardi
x	W. McKee	x	Quality Assurance
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7/3/75 8/18/75
[Handwritten initials]

Burroughs Corporation
 BUSINESS MACHINES GROUP
 SMALL SYSTEMS PLANT

DISK CARTRIDGE INITIALIZER

PRODUCT SPECIFICATION

REVISIONS

REV LTR	REVISION ISSUE DATE	PAGES REVISED ADDED DELETED OR CHANGE OF CLASSIFICATION	PREPARED BY	APPROVED BY
A	10/24/74	ORIGINAL ISSUE	JER	<i>JA 10 25 74</i>
B	12/17/75	Pg. 1-1 Related Publications added Pg. 1-3 New paragraphs added Name changed to DISK CARTRIDGE INITIALIZER	SMB	<i>H-1-5-76</i>

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 SANTA BARBARA PLANT

COMPANY CONFIDENTIAL
 DISK CARTRIDGE INITIALIZER
 P. S. 2212 5082

GENERAL

"DISK CARTRIDGE INITIALIZER" or "SYSTEM/DISK.INIT" (See Related Publications below) must be used to initialize a disk cartridge before it can be used for the system software. The initializer assigns addresses to the appropriate segments and writes a random pattern in the segments to ensure the segment is not defective. When a segment is found to be bad, the entire track in which it resides will be removed from the master available table on that disk cartridge. If a segment is found to be bad within the first sixty-four segments of a disk cartridge, that cartridge cannot be used due to the system requirements.

RELATED PUBLICATIONS

NAME	NUMBER (REV)
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SYSTEM/DISK.INIT	P.S. 2212 5488 (A)
MCP II	P.S. 2212 5462 (A)
B1700 Software Operation Guide	1068731

OPERATION INSTRUCTIONS

The DISK CARTRIDGE INITIALIZER program does not operate under the control of the MCP and must be loaded and executed through the cassette reader on the control panel. For initialization under the MCP, use the SYSTEM/DISK.INIT program.

Information must be supplied to the initializer through the SPD as to location, pack-id, type, etc. of each disk cartridge to be initialized. To stop the DISK CARTRIDGE INITIALIZER, enter a blank after the "WHICH CARTRIDGE?" message appears.

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The following messages will be displayed:

WHICH CARTRIDGE? - DC<X> OR LEAVE BLANK TO TERMINATE

VERIFICATION ONLY? <YES OR NO>

ENTER 6 DIGIT SERIAL NUMBER
 (Any valid decimal number except zero.)

ENTER PACK ID

ENTER CARTRIDGE TYPE - <U, S, OR R>
 U = UNRESTRICTED
 S = SYSTEM
 R = RESTRICTED

ENTER JULIAN DATE - <YYDDD>

ENTER OWNER'S ID

EXAMPLES OF MESSAGES AND RESPONSES

1. MSG: WHICH CARTRIDGE? - DC<X> OR LEAVE BLANK TO TERMINATE
 RSP: DCA
 MSG: VERIFICATION ONLY? <YES OR NO>
 RSP: NO
 MSG: ENTER 6 DIGIT SERIAL NUMBER
 RSP: 084673
 MSG: ENTER PACK ID
 RSP: ABC
 MSG: ENTER CARTRIDGE TYPE - <U, S OR R>
 RSP: U
 MSG: ENTER JULIAN DATE - <YYDDD>
 RSP: 74250
 MSG: ENTER OWNER'S ID
 RSP: JOE SMITH

These responses will initialize and verify the disk cartridge on DCA with:

PACK ID = ABC
 SERIAL NUMBER = 084673
 TYPE = UNRESTRICTED

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JULIAN DATE = 74250
OWNER'S ID = JOE SMITH

Upon completion of the initialization, the message INITIALIZATION COMPLETE will be displayed on the SPO.

2. MSG: WHICH CARTRIDGE? - DC<X> OR LEAVE BLANK TO TERMINATE
RSP: DCB
MSG: VERIFICATION ONLY? <YES OR NO>
RSP: YES

These responses will verify the disk cartridge on DCB and report all bad tracks.

Upon completion of the verification only phase, the message VERIFICATION COMPLETE will be displayed on the SPO.

After the initialization and/or verification completion message, the message WHICH CARTRIDGE will be displayed again, which allows the initialization of another cartridge by responding with the proper unit or ends the program by responding with a blank.

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ERROR MESSAGES

1. NO CARTRIDGES ON SYSTEM
2. THE FOLLOWING ADDRESSES ARE IN ERROR
3. THEIR TRACKS WILL BE REMOVED
(Initialization only.)
4. DISK ERROR - RESULT STATUS IN 'T'
5. WRITE LOCKOUT <DRIVE>
6. DISK NOT READY <DRIVE>
7. DISK NOT PRESENT <DRIVE>
(Drive specified is not being recognized.)
8. ERROR LIMITS EXCEEDED
(Master available table has been filled.)
9. CARTRIDGES CANNOT BE USED WITH MCP
(Either the master available table is filled or
a bad sector was found within the first 64 sectors.)
10. INVALID RESPONSE - TRY AGAIN
11. INVALID DRIVE ENTRY - <DRIVE ENTRY>
12. BLANK ID NOT ALLOWED

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