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GENERAL MANAGER
SANTA BARBARA PLANT

Distribution current as of 2/13/78

Burroughs Corporation 

COMPUTER SYSTEMS GROUP
SANTA BARBARA PLANT

B1800/B1700 CHECK/LOAD.DUMP

PRODUCT SPECIFICATION

REV LTR	REVISION ISSUE DATE	APPROVED BY	REVISIONS
A	3/7/78	<i>J. Hale</i>	<p>Software Release Level Mark 7.0. Formerly released as section two of P. S. 2212 5579, B1800/B1700 MCP UTILITIES. 2-2: Added Sense Switch 2 discussion. <mix-index> changed to <job-number> throughout.</p>

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B1800/B1700 CHECK/LOAD.DUMP
P. S. 2222 2624 REV A

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GENERAL DESCRIPTION

CHECK/LOAD.DUMP is an MCP utility which compares the files on a system library tape (created by SYSTEM/LOAD.DUMP) to those files of the same name on disk.

A listing of the files on the tape is produced and contains the following information:

1. Relative file number
2. File-identifier
3. File-type
4. Record size (bytes)
5. Blocking factor
6. EOF pointer
7. Creation/compilation date

If there is a file compare error, the type of error will be noted.

RELATED DOCUMENTATION

Name	Number
----	-----
B1800/B1700 MCP II	P.S. 2212 5462
B1800/B1700 Software Operational Guide	1068731

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OPERATING INSTRUCTIONS

To compare all the files on a library tape to the system disk (default), the execute message shown below should be entered.

```
EX CHECK/LOAD.DUMP FILE T NAME = <tape-id>
```

This message will compare the files on the tape to the files residing on the system disk. CHECK/LOAD.DUMP may be executed in the following way.

```
EX CHECK/LOAD.DUMP
```

CHECK/LOAD.DUMP will then request the tape to be compared. The user then enters an IGNORE LABEL (IL) message to the MCP specifying the desired tape drive.

When the program encounters the first compare error the following message will be displayed on the SPO:

```
FIRST ERROR ON FILE #<integer> (<file-identifier>)
```

To compare the tape to a disk other than the system disk the execute statement must specify the pack-id.

```
EX CHECK/LOAD.DUMP FILE T NAME = <tape-id>;FILE D PACK.ID = <pack.id>
```

SENSE SWITCH 0

It is possible to designate a compare on only certain files rather than an entire tape. To accomplish this, set SW 0 to some non-zero value.

```
EX CHECK/LOAD.DUMP SW 0 = 1 FILE T NAME = <tape-id>
```

CHECK/LOAD.DUMP will request the names of the files to be compared. These are entered one at a time via an ACCEPT message. A final blank ACCEPT message terminates the request string. "<family-name>/" and "/<file-id>" forms are allowed. Also, "/=" is allowed and causes the entire tape to be compared. The example below illustrates this procedure.

```
EX CHECK/LOAD.DUMP SW 0 = 1 FILE T NAME = LIBRARY
CHECK/LOAD.DUMP =1 80J. ...
X CHECK/LOAD.DUMP =1 ENTER FILE NAMES
CHECK/LOAD.DUMP =1 ACCEPT.
1AXSDL/=
1AXCOBOL
1AX=/INTERP1M
1AX
```

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The listing produced contains information only for the files specified in the ACCEPT messages.

SENSE SWITCH 1

Should it be desirable to have a detailed analysis of the errors, set SW 1 to some non-zero value. A separate error listing is then produced. In the case of a header compare error, the relevant fields from the disk header and the tape header are printed. When a file compare error has occurred, the disk and tape buffers are dumped in hexadecimal format. Each 4-bit character that does not compare is flagged with an asterisk.

SENSE SWITCH 2

This program switch can be used to control the output listing normally produced by the program. If it is set to a non-zero value (e.g. SW2=1), no listing is printed on the line printer. Regardless of the setting of this switch, the total number of errors, if any, is reported on the console CRT (SPO) at EOJ.

STATUS

To check the progress of CHECK/LOAD.DUMP enter:

<job-number>AXSTATUS (or) <job-number>AXST

The program will respond with the file-name and number of the file currently being compared. If there have been errors on the tape, a cumulative error count will be displayed.

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ERROR MESSAGES

1. INVALID INQUIRY

This message results from an incorrect entry of status inquiry.

2. TAPE DIRECTORY I/O ERROR

Irrecoverable read error on tape directory. Program terminates.

3. UNEXPECTED TRAILING CHARACTER

A file-name was entered incorrectly.

4. MISSING ENDING QUOTE IN FILE-NAME

A file-name was entered incorrectly.

5. BLANK FILE NAME NOT ALLOWED

6. INVALID SIZE FOR FILE NAME

Tokens must be less than or equal to ten characters in length.

7. <file-name> NOT ON LIBRARY TAPE

8. <tape-name> NOT A LIBRARY TAPE

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