B1700 SOFTWARE SPECIFICATIONS

Rel		Detroit	Rel	
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	W. Conlin - International		x	C. Nash - International
x	D. Kosinski-Prod. Mgmt.		x	J. G. Cleary - SSG

Rel Plymouth

x   D. O. Calkins
x   D. R. Bookwalter

Rel Downingtown

x   J. Berta

Rel Paoli

x   W. Minarcik
x   G. Smolnik

Rel McLean

x   A. Kosla

Rel Irvine

x   L. DeBartello

Rel Pasadena

x   R. Solt
x   H. M. Townsend
x   D. B. Prout - Patent Atty.

Rel Mission Viejo

x   R. Waychoff
x   E. Sweaney

Rel Westlake

x   J. J. Dowling

Rel Gennevieliers

x   A. Isola

Rel Cumbernauld

x   W. McKee
x   G. Dragffy

Rel Villers

x   J. Cazanove

Rel Pantin

x   J. Gerain

Rel Seneffe

x   P. Cornil

Rel Liege

x   J. C. Wery
x   A. W. Fell
x   R. Bouvier

Rel Middlesex

x   P. R. Evans

Rel Glenrothes

x   J. C. Allan

Rel Wayne

x   B. Bell

Rel Santa Barbara

x   R. S. Bunker
3   A. Goodman
x   J. Hale   *G. HAMMOND*
x   K. Meyers
x   A. van der Linden
2   J. Casey
2   E. Munsch
x   E. Yardi
x   Quality Assurance

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Burroughs Corporation 🅑

BUSINESS MACHINES GROUP
SMALL SYSTEMS PLANT

DISKPACK/INTERCHANG

PRODUCT SPECIFICATION

REVISIONS

REV LTR	REVISION ISSUE DATE	PAGES REVISED ADDED DELETED OR CHANGE OF CLASSIFICATION	PREPARED BY	APPROVED BY
A	2/20/76	Original Issue	K. M. K.	J. Nale

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FEB 24 1976

GENERAL MANAGER
SANTA BARBARA PLANT

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GENERAL

The program DISKPACK/INTERCHANG copies an interchange formatted disk
pack received from either a medium or large system and converts it
to B1700 internal format since the B1700 MCP cannot directly handle
interchange format. Using two packs insures that the user will
retain the unaltered original pack should a hardware or software
problem occur during the conversion process, "interchange". The
program also provides for the reverse procedure, that is,
conversion from B1700 internal format to interchange format.

The interchange format used is that described in Section 5 of P.S.
1955 2892, STRUCTURES OF INTERCHANGE MEDIA.

RELATED DOCUMENTATION

B1700 MCPII (Rev. A)   P. S.   2212 5462
B1700 SYSTEM/DISK.INIT (Rev. A)   P. S.   2212 5488
STRUCTURES OF INTERCHANGE MEDIA (Rev. A)   P. S.   1955 2892

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OPERATING INSTRUCTIONS

The interchange conversion program, DISKPACK/INTERCHANG, operates under the control of the MCP and must be executed from the SPO. All I/O operations are directed from the SPO.

SET UP

DISKPACK/INTERCHANG requires that the destination pack be a "scratch pack". For output to B1700 format, the pack must be "PURGED" prior to use. For output to INTERCHANGE format, the pack must be initialized as an interchange pack prior to use. SYSTEM/DISK.INIT optionally initializes a pack for the INTERCHANGE format.

SPO I/O

When executed, DISKPACK/INTERCHANG responds with a set of messages followed by ACCEPT messages. This message string is as follows:

1. WHICH PACK (SOURCE OR DESTINATION) IS B1700 FORMAT?
    (ANSWER 'S' OR 'D')

    a. 'D' (DESTINATION) or BLANK converts the pack from
        interchange to B1700.
    b. 'S' (SOURCE) converts the pack from B1700 to interchange.

2. ENTER SOURCE PACK DRIVE (A, B, C, ETC.)

    The drive entered will be the drive on which the source (input) pack is to be found.

3. ENTER DESTINATION PACK DRIVE (A, B, C, ETC.)

    The drive entered will be the drive on which the destination (output) pack is to be found.

      NOTE: Neither drive may be the system pack drive, nor can the drives named as source and destination be the same. Once a pack is in use by DISKPACK/INTERCHANG, no other programs may use it until the run is complete.

4. After a valid destination pack has been found, "INTERCHANGE" will commence. Please refer to Section 3 for exceptions or errors. Upon completion of "INTERCHANGE", the following message will appear:

                COMPLETION OF INTERCHANGE

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ERRORS AND EXCEPTIONS

INCOMPATIBILITIES

Because of format differences between B1700 and interchange packs,
certain files are impossible to copy. These files will not be
copied, but Interchange will continue on valid files. These are
noted below:

INTERCHANGE TO B1700

1. MULTI-PACK FILES: A file containing multipack areas will not be
    copied.

    MESSAGE: FILE <file name> CONTAINS MULTI PACK LINKS

2. Files with greater then 105 areas will not be copied.

    MESSAGE: FILE <file name> EXCEEDS 105 AREAS

B1700 TO INTERCHANGE

1. A file containing multi pack areas will not be copied.

    MESSAGE: FILE <file name> CONTAINS MULTI PACK LINKS

2. A file with a name longer than six characters will not be
    copied.

    MESSAGE: FILE <file name> EXCEEDS 6 CHARACTERS

3. All files in a file family (<multi name>/<file name>) will not
    be copied.

    MESSAGE: FILE <multi name> IS MULTI FILE NAME

4. Files with variable length records will not be copied. This is
    specifically because Interchange does not allow for variable
    length records.

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MESSAGE: FILE <file name> IS VARIABLE LENGTH

DISK ERRORS

The following disk errors will be reported:

1. Error on input pack in a file. The file with the error will be skipped, with Interchange continuing on the next file.

   MESSAGE: DISK ERROR AT <sector address> ON FILE <file name>

2. Error on output pack. The sector will be removed from the pack's master available table. Processing will continue.

   MESSAGE: TOO MANY ERRORS AT SECTOR <sector address>
            SECTOR REMOVED

3. If no packs exist on the drives specified, or a pack is not ready, or is under the control of some other program, a message will be displayed.

   MESSAGE: COULD NOT FIND SOURCE PACK
   MESSAGE: COULD NOT FIND DESTINATION PACK

4. If a disk error is found in the directory or available table of either pack, the error will be reported and all Interchange processing will be halted.

   MESSAGE: DISK ERROR AT <sector address> ON INPUT DRIVE
   MESSAGE: DISK ERROR AT <sector address> ON OUTPUT DRIVE

FORMAT ERRORS
----

1. If the destination pack is not a scratch pack or not initialized, the following message appears.

   MESSAGE: DESTINATION PACK NOT AN INITIALIZED PACK

2. If the source and destination packs are switched, or a copy is attempted in the wrong direction, or the source pack is not a valid pack, this message is displayed.

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MESSAGE: ERROR IN PACK LABEL, CAN'T CONTINUE

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