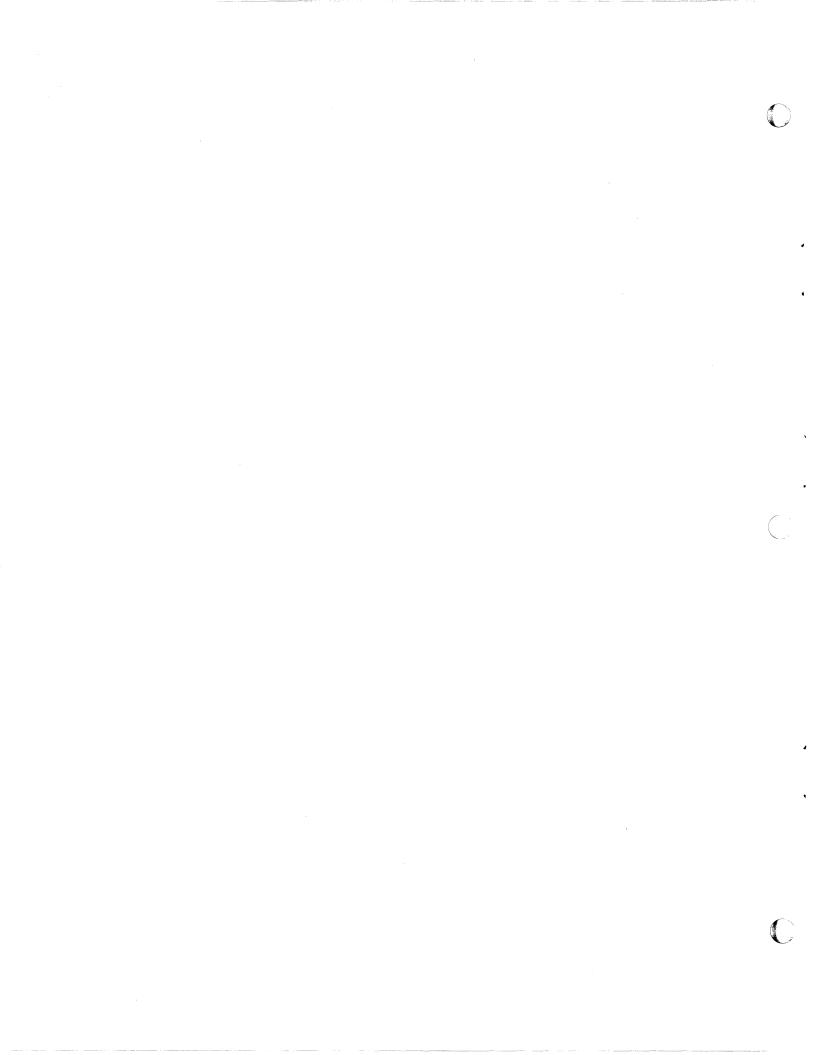**DATAPOINT**

SOFTWARE RELEASE SUMMARIES

April - July 1982

DATAPOINT CORPORATION

SOFTWARE RELEASE FORMS

Covering the period from: 4/30/82 to 7/1/82

This publication details the software released by Datapoint Corporation
during the period given above. Since the software releases are
distributed with SOURCE DATA, Datapoint's software newsletter, you must
be on its mailing list to receive it. To be added to the mailing list,
send the following information to the SOURCE DATA Subscription Desk:

           Company _____
           Name/Title _____
           Address _____
           City, State, Zip _____

                          Mail to:

           Datapoint Corporation
           SOURCE DATA Subscription Desk #T41
           9725 Datapoint Drive
           San Antonio, Texas 78284

This issue contains the following Software Release Forms:

Name	Version	Description
ARCLINK	1.1	Remote ARC Communications System
CBG	1.3	Color Business Graphics System
DBCMP15	3.2	1500/1550/2150 DATABUS Compiler
DIAGLOAD	1.1	RMS Diagnostics Loader
DIAG8600	1.1	Diagnostics for the 8600 and attached peripherals
DG86MFCA	1.1	8600 MFCA Software Package
DOS.H	2.7	1500/1550/2150 Disk Operating System
DS1500	1.2	1500/1550/2150 DATASHARE
EMGRTS15	1.2	Honeywell G-115 Emulator for 1500/1550/2150
FPTEST86	1.1	Serial Freedom/Matrix Printer Diagnostic for the KDS Serial Port on 8600 Processors
INFOSWITCH/ CASH I	1.3.1	Call Accounting System for Hotels
INT1500	2.2	1500/1550/2150 Interrupt Structure Diagnostic
MTE55	2.1	Multi-Terminal Emulator Command Handler
MTECDC	2.1	CDC UT200 Terminal Emulator for MTE55
MTEGRTS	2.1	Honeywell G-115 Terminal Emulator for MTE55
MTEHASP	2.1	IBM HASP/RES Workstation Emulator for MTE55
MTEIBM	2.1	IBM 2780/3780/2770/3770 Terminal Emulator for MTE55
MTERUP	2.1	Remote User Program for MTE55
T320DG18	1.2	9310/9320 Disk Subsystem Diagnostic
TMFC1550	1.1	1550 Multifunction Communication Board Diagnostic
TST8600	1.1	8600 Processor Diagnostic
TSTUBE15	1.1	DATASHARE System Diagnostic for 1500
TSTUBE18	1.1	9320 DATASHARE System Diagnostic

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: ARCLINK 1.1

DESCRIPTION: Remote ARC Communications System

PURPOSE: D - New Software package

RELEASE MEDIA: Cassette
TOTAL SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

    Software: DOS.D 2.7
                   ARC 1.7.1

    Hardware:
     Processor: 5500/6000/6600
     Minimum Size: 48K
     Disk: 937X/938X/939X
     Other: 9481

RELEASE ITEMS: MODEL CODE   RELEASE
    User's Guide: 50730   17 Pages
    Program Media: 9859   1 DMF Cassette

DETAILED DESCRIPTION:

    ARCLINK is a communications program allowing the extension of a
DOS ARC system beyond the limits of the coaxial Inter-Processor Bus.
Dial or leased lines can connect one ARC to another, allowing
applications processors on one ARC to mount volumes located on file
processors of the other.

LIMITATIONS:

1. When the communications line drops, the CP still will respond to
    the remote mount requests, letting the user mount the volume,
    although he cannot access that volume. The AP will indicate this
    by screaming when trying to read the remote disk.

2. In dial mode, there is no way to abort the program from the
    "WAITING FOR COMMUNICATIONS" screen, except to reboot.

PROGRAM FILES RELEASED:

    ARCLINK/CMD   Command file
    ARCLINK/RFM   Release form print file

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: CBG 1.3

RELEASE DATE: 28MAY82

DESCRIPTION: Color Business Graphics System

PURPOSE: C - Adds new features (enhancements)

RELEASE MEDIA: Disk

SOFTWARE CANCELLED BY THIS RELEASE: CBG 1.2

EXECUTION SUPPORT:

    Software:
                   ARC 1.7.1
                   DOS.D 2.7

    Hardware:
     Processor: 6600
     Minimum Size: 128K
     Disk: 937X/939X

RELEASE ITEMS: MODEL CODE   RELEASE
    Software   9850   CBG 1.3
    User's Guide: 50651   250 pages (approx.)
    Program Media: 20653   10 MEG Disk
    Program Media: 20655   67 MEG Disk

DETAILED DESCRIPTION:

    CBG is a system for generating color business graphics. The
output from the system may be displayed on a color monitor, printed on
a color printer or filmed on a film recorder.

COMMAND LINE:

CBG is invoked via the following command line:

CBG [person] [input] [; [N=name] [I=IPB ID] [R=RIMaddress] [?]]

---

person   This file defaults to SUR/CBG if it is not specified.
              The personality file retains the state of the CBG system
              on a user-by-user basis so that the system is able to
              return to the precise configuration in which you left
              it. A personality file will be generated for a user who
              does not already have one.

input   CBG will take its input from this file if it is
              specified. The input must consist of EXACTLY the
              commands that would otherwise have been entered from the
              tablet or the keyboard, including responses to all
              system querries.

;   Serves to delimit the beginning of the options.

N=name   A controller is specified by name the first time you
              wish to use it. Subsequent invocations of CBG may omit
              the name since it is rememebered in the personality
              file. Each time you specify a name it overrides the
              previous one. N=NONE may be used to indicate that no
              controller is to be used. The N= field is preferred to
              using I= to access a controller. A controller's name is
              (re-) set by running the CONFIG/CMD program.

I=IPB ID   This number must be specified if CBG is to be run with a
              CBG controller and the controller's name is not set or
              is not known.

R=RIMaddress This address must be specified if CBG is to be run with
              a CBG controller using a non-standard RIM address. Both
              the IPB and RIM addresses are taken as decimal integers.
              Octal may be used if the number begins with a zero. The
              IPB address field may occur before or after the RIM
              address field. If no RIM address is explicitly
              specified, CBG will use address 156 (decimal).

?   All software developed by the Graphics Development
              Center provides at least a minimal "help" facility;
              invoked by the presence of a "?" in the options field.
              A short help message is displayed on the console. Press
              the "Display" key to "pause" the help display.

```
*****************************************
*Software Problems Corrected in CBG 1.3*
*****************************************
```

1) If a large number of line functions (1000 or more) are attempted without returning to DOS, CBG will abort with a "SALLOC - No Space Left" error message. The aplications processor may reboot at that time or may just return to DOS. As more line functions are used, the performance of the system will degrade. These problems will only occur if a very large number of line functions are entered.

2) DRAW Phase Line functions entered at the Applications Processor or via input file cannot have a vertical magnitude greater than 14,738. If this is attempted, the line will only be about half its correct size. If the line is diagonal, it will also have an incorrect slope. The vertical magnitude can be obtained by calculating the absolute value of the start-point Y coordinate minus the endpoint Y coordinate ($|Y1-Y2|$).

3) A user will not have the ability to generate pictures with names using the CHART Phase. All pictures generated in the CHART Phase will have a blank name. However, the user can go to the Library Phase and Rename the picture using the LIBRARY Phase command "RENAME # NEWNAME" where # represents the picture number.

4) When a user has finished filling out a form in the CHART Phase, he will enter a "DISPLAY ." to indicate the form is finished. He then has the option to go to any Phase. If, by error, an attempt is made to go to the SCRIPT Phase or PLAYBACK Phase an infinite loop will occur, forcing the user to reboot the processor. The SCRIPT and PLAYBACK Phases have not been implemented. The CHART Phase should not allow a user to enter this option or should indicate an error. The following series of messages will repeat indefinitely.

    Unimplemented Phase.
    Your chart is now being drawn.
    Processing Complete for Picture #10.
    Unimplemented Phase.
    Your chart is now being drawn.
    Processing complete for Picture #10.

5) Attempting to Move large fill elements (elements produced by a fill command) or large boxes in the DRAW Phase may produce a distorted image on the color monitor. This will only occur if the element is moved a large distance in a horizontal direction. Execution of a Show Picture command will not correct the image. The element must be erased and redrawn in the new location.

6) If a fill element (element produced by a Fill command) is bounded by diagonal lines, it may be very difficult, if not impossible, to select it as the current element using the DRAW Phase select command. Most attempts to select this fill element will cause one of the diagonal lines to become the selected element.

7) Entering positions with the Magnifier active in the DRAW phase will create a condition where the particular position on the drawing tablet will not map the same location of the color monitor after the first position is entered. If the drawing pen is not moved after the first position is entered, the main cursor may remap momentarily as if the magnifier were not active. If the pen is moved slightly, the main cursor will jump back to the correct position. However, the originally entered point on the drawing tablet will not correspond to the original position on the color monitor. The original point will be 3 to 5 pixels from the current point, even though the pen is at the position of the original point. All DRAW phase functions will still operate properly, even though this occurs.

8) When CBG is invoked, it will prompt the user for the particular phase he wishes to start in. It is legitimate for a user to exit CBG at this point. However, the user personality file will remain locked. This is not an error exit, so the personality file should be unlocked by the software before CBG is terminated.

9) If an ATTENTION is generated in the DRAW phase during command execution from an input file, the message "End of file encountered while taking input from a file" is displayed. This is not an appropriate message, since an End Of File was not encountered. A more appropriate message would be "ATTENTION - Execution from input file aborted."

10) Whenever CBG enters the DRAW phase, it will attempt to access the last picture used in the DRAW phase. If a new library was opened prior to entering the DRAW phase, and this new library does not have a picture numbered the same as the last picture accessed by the DRAW phase, the message "No Picture with that number exists. A name is required to create a picture." will be displayed. This error message is inappropriate and confusing to a user.

11) Selecting items 1 (Pie Charts) or 4 (Graphs) in the CHART phase will cause CBG to generate the message "SORRY - I didn't understand that, please try again!" A more appropriate message would be "Unimplemented Feature".

```
****************************
*CBG 1.3 SOFTWARE PROBLEMS*
****************************
```

1) If an attempt is made to close all opened libraries, CBG will issue the message "You have no library opened! You must open at least one library. What is the name of the library you wish to open?". At this point the user can properly open any library except the library which was last closed. An attempt to open the last closed library will result in the message "I could not find the required volume. The operation has been aborted.". At this point an attempt to proceed may abort the CBG application back to DOS. If this occurs, the current personality file must be deleted since it contains a corrupted current library name. Use the DOS KILL command to delete your personality file. A new personality file can be created the next time CBG is invoked. Proceed to the LIBRARY Phase and open the library you wish to use. There is no reason a user should close all opened CBG libraries.

2) Unpredictable results will occur if an attempt is made to execute a library phase command with multiple spaces separating modifiers. For example, if an attempt is made to execute the command "Cat   All   Des", the error message "You have used an incorrect modifier." will be issued by CBG. The command will function properly if the syntax "Cat All Des" is used. In the Library Phase all command modifiers must be separated by only one space!

3) If a user has multiple CBG libraries opened, his personality file will attempt to open all of these libraries the next time CBG is invoked, provided they have not been closed. If the current library cannot be opened, due to the fact it is not found, the user will be notified with an appropriate message. However, if a library other than the current library cannot be found, no message will be issued. The user can detect this condition by executing an Open command. If a library cannot be found, the message "I cannot find YOUR/LIB" will be displayed when all the opened libraries are listed. If this condition exists (opened libraries indicated in personality file cannot be found), and an attempt is made to Delete or Rename a nonexistent picture, CBG will abort to DOS indicating the missing library is not opened. This can be avoided by using the Close command to close this missing library.

4) If an attempt is made to assign a width or style attribute to a Fill element, CBG will issue the incorrect error messages "No object code found for this element. Probably there is no currently selected element. Select

an element before trying to proceed!". The appropriate error message, "You tried to set an attribute for an element that cannot possess the kind of attribute you specified." should be displayed.

5) Exiting CBG after a Group or Assign Group command has executed will reset the current element to the last element in the group. This can be avioded if the current element is accessed before exiting CBG. For example, if a Group command is use to add elements to the group, the current element will be lost if CBG is then exited. In order for CBG to remember the current element, it must be accessed by an Assign command before CBG is exited. This can be accomplished without effecting any current attributes by assigning the current element the color number it already posess.

6) The LIBRARY Phase Copy command will not allow a user to specify the extension of the library file. If an attempt is made to execute the legitimate LIBRARY Phase command "Copy lib CBGFONT/LIB Source_Pic lib DESTIN/LIB NEW_PIC", the error message "Error - You have used an illegal character." will be displayed and the copy aborted.

7) The LIBRARY Phase Copy command will allow a user to copy a picture into a library protected as Read Only.

8) If an attempt is made to rename a picture in the LIBRARY Phase that does not exist in the current library, this series of messages is displayed:
  Item not found in current library but found in YOUR/LIB
  Do You wish me to proceed (Y or N)? Renaming completed.
The Rename command will not allow the user to respond to the "Do you wish me to proceed?" question. It will always rename the picture in question.

9) The CHART Phase will not truncate leading spaces for the values listed in the form or in data files. If the value contains leading spaces and is to be shown on the chart (Show value option active) it will not be centered properly. Values entered in a Chart Form manually or via a Data file should be positioned in the first position of the field.

10) A CBG system utilizing a dedicated disk (processor disk I/O not accessed via ARC, but locally) will continually flash the cursor as if stet input. If input is attempted, only one character will be accepted, and no input will be echoed on the screen of the application processor until the current function has executed. When this character is echoed on the screen, the system will be able to accept more input. This prompting cursor will only appear on the application processor; the drawing tablet and light keys will function properly. If the CBG application processor is obtaining disk I/O via ARC, this will not occur.

11) At present CBG will process a Pie Chart form containing both positive and negative values. This could generate a chart which at first seems appropriate. However, intermixing both positive and negative values in a pie Chart is meaningless. The computed total and percentages will be incorrect. If this is attempted, it is probably due to an error. CBG should inform the user if this is attempted. One possible way to determine if this occurs is if the show percentage option is activated. The negative percentage will not be translated properly. For example, a negative percentage may be translated into (#%. A Pie Chart containing all positive values or all negative values will function properly.

12) If a CHART Phase title is right justified and the subtitle is left justified, CBG may place both the title and subtitle on the same line. In this case the subtitle would appear before the title.

13) CBG Pie Charts will attempt not to allow collisions of label and value information. The current algorithm uses vertical coordinates to determine possible collisions. If the vertical coordinate indicates a collision is possible, the text will be moved from the center of the pie along the radial bisector. However, since only the vertical coordinate is used, text information such as label name and value may be moved when there is no need. If this occurs, bring the picture into the DRAW Phase and move the text using the DRAW Phase Move command.

14) If the values given in a Bar Chart or Graph are very large, CBG will use a multiplier. If this multiplier is used with the show value option enacted for some of the values, the value shown will lose accuracy. For example; If the value 1,545,678 is shown, it may be shown as 2 with a multiplier of 1,000,000.

15) If more than 8 legends appear in a Bar Chart or Graph, the legends will not be centered properly. The Legends will appear to be right justified rather than centered.

16) The DRAW Phase Help screen indicates the proper width range is 0 – 255. If an attempt is made to assign a width of 0, the error message "Width specifications must be in the Range 0...255!" will be displayed. The proper range is 1 – 255. The Help screen and error message should represent the proper width range.

17) If an attempt is made to enter the illegitimate Library command "PROTECT LIB <libname> READ ONLY", the error message "The appropriate item cannot be found" will be displayed. If the illegitimate Protect command was entered using a picture name rather than a Library name, the message "You have used an incorrect modifier." will be displayed. The incorrect modifier error message is appropriate since the problem is with the "READ ONLY" modifier. The modifier should be "READ_ONLY". The incorrect modifier error message should be displayed for both error conditions.

18) The LIBRARY Phase will allow a picture to be renamed in a library locked as Read Only.

19) An attempt to create a picture in the DRAW Phase of CBG with a current library locked as Read Only will result in the message "The library is being used right now... Waiting for library." CBG will continually display this message and attempt to create a picture in this locked library. If this occurs, use the Keyboard and Display keys on the application processor to generate an ATTENTION and proceed to the LIBRARY phase. In the LIBRARY Phase, remove the write protect with the Protect command or open another library.

****
User Notes
****

1) A CBG 1.2 Library can be used with CBG version 1.3. However, if an attempt is made to reset the color of an element in a 1.2 Library, an error will occur. CBG version 1.2 uses numeric values of red, green, and blue light to reset color. CBG version 1.3 uses color valves. These color valves reside only in CBG version 1.3 libraries. It is suggested all CBG version 1.2 libraries be upgraded to CBG 1.3 libraries. This can be done using the CBG LIBRARY Phase Copy command to copy each picture from a version 1.2 library to a library created with CBG version 1.3.

2) When filling out Chart Forms in the CHART Phase, several entries are displayed which will not allow the cursor to be positioned at these entries. These entries contain future options which have not been implemented in CBG version 1.3. As an example, Bar Charts will not allow Three Dimensional Bar Shading or Overlapped Bars. The cursor cannot be positioned at these entries.

3) Occassionally the CBG controller can lose synchronization with the CBG application processor. This condition is very rare. The characteristics of this situation vary; however, if the light keys in the DRAW Phase will not function properly, this may have occurred. The solution is to reboot the application processor, kill the personality file if necessary, and unlock your current library. If the situation persists, it is probably due to a hardware problem. This situation has only been observed on an ARC network executing numerous RMS reconfigurations.

INITIALIZATION:

    CBG expects to use a picture library as soon as it is invoked. It is NOT a DOS library -- it has a special CBG format. Two libraries must be available to CBG: CBGLIB/LIB (the system picture library) and CBGNULL/LIB (used to generate new libraries). The user is expected to have his own picture library, although CBGLIB/LIB may be used as a personal library (not recommended since CBGLIB/LIB probably will reside on a protected system pack). When a new personality file is created it will it will also open or make available a file called CBGFONT/LIB. This file is a CBG formated picture library containing the CBG banner picture and samples of each available font. A personal library should have name SUR/LIB where SUR is the name of the user's mounted drive. A CBG library is created by going to the library phase of the system and saying "OPEN LIBRARY libraryname", provided that library does not already exist.

INCOMPATIBILITIES:

    Version 1.3 personality files are incompatible with those of version 1.2. Thus users should KILL all old personality files which may be present in the execution environment prior to running CBG 1.3.

PROGRAM FILES RELEASED:

File	Description
CBG/CMD	CBG system
CBG/RFM	CBG Program Release Form print file
CBGCSR/LIB	CBG library containing installation pictures
CBGFONT/LIB	CBG font library template (and light keys)
CBGLIB/LIB	CBG system picture library
CBGNULL/LIB	CBG empty picture library
CBGRTMSG/TXT	CBG run-time messages
CONFIG/CMD	Program to (re-) set a controller's name
PERSONAL/CBG	Template for a personality file
PSCLER01/ABS	PASCAL error messages file
PSCLIO01/REL	
TPL01/TXT	Template for Forms-Filler phase
TPL02/TXT	Template for Forms-Filler phase
TPL03/TXT	Template for Forms-Filler phase
TPL04/TXT	Template for Forms-Filler phase
02018/CBG	Small serif font
02024/CBG	Larger serif font
02035/CBG	Larger serif font
02052/CBG	Larger serif font
02068/CBG	Still larger serif font
02218/CBG	Small condensed serif font
02224/CBG	Larger condensed serif font
02235/CBG	Larger condensed serif font
02252/CBG	Larger condensed serif font
02268/CBG	Still larger condensed serif font
03018/CBG	Small sans serif font
03024/CBG	Larger sans serif font
03035/CBG	Larger sans serif font
03052/CBG	Larger sans serif font
03068/CBG	Still larger sans serif font
03218/CBG	Small condensed sans serif font
03224/CBG	Larger condensed sans serif font
03235/CBG	Larger condensed sans serif font
03252/CBG	Larger condensed sans serif font
03268/CBG	Still larger condensed sans serif font
03324/CBG	Small bold sans serif font
04013/CBG	Very small sans serif, alternate font
04017/CBG	Small sans serif, alternate font
04018/CBG	Small sans serif, alternate font
04024/CBG	Larger sans serif, alternate font

04035/CBG   Larger sans serif, alternate font
04052/CBG   Larger sans serif, alternate font
04068/CBG   Still larger sans serif, alternate font

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

SYMBOL/VER.REV: DBCMP15 3.2

DESCRIPTION: 1500/1550/2150 DATABUS COMPILER

PURPOSE: C - Adds new features (enhancements)

RELEASE MEDIA: Single-Sided Single Density Diskette
                  Single-Sided Double Density Diskette
                  Double-Sided Double Density Diskette
TOTAL SIZE: 144 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: DBCMP15 3.1

EXECUTION SUPPORT:

     Software: DOS.H 2.6 (or later)

     Hardware:
      Processor: 1500/1550/2150
      Minimum Size: 32K
      Printer: 9231/9235/9621
      Disk: 15XX/93XX/14XX

     1500 Concurrent Job Compatible: Yes   (except 32K systems)

RELEASE ITEMS: MODEL CODE   RELEASE
     User's Guide: 50302   Previously Released
     Program Media: 20793   DS/DD Diskette
     Program Media: 20809   SS/DD Diskette
     Program Media: 20697   SS/SD Diskette
     Software: 40273   DBCMP15 3.2

NOTE: When ordering, please include model code for software and model
code for desired media.

DETAILED DESCRIPTION:

     This product compiles programs written in a 1500 subset of the
DATABUS language. Compiled programs may be executed with one of the
1500 DATABUS or DATASHARE interpreters.

*** NOTE *** The new DATABUS verbs and verb features added in DBCMP15
3.1 (and later revisions of DBCMP15) are not supported by the older
1500 DATABUS interpreters. Each interpreter's user's guide must be
consulted to determine which DATABUS verbs and verb features are
supported by that interpreter. All section references listed below
are to sections within the DBCMP15 User's Guide.

REVISIONS:

1.   The PREPARE instruction has been enhanced to allow the PREPARing
     of an INDEX file and its associated data file.

     PREPARE (PREP) (Indexed Sequential):

     The PREPARE instruction is used to create and initialize a null
     data file and an associated null index file for use by a DATABUS
     program. One of the following general formats may be used:

     <label> PREPARE <ifile>,<slit>
     <label> PREPARE <ifile>,<svar>

     where:
     <label> is an execution label (see section 2).
     <slit> is a literal of the form "<string>" (see section 2.5).
     <svar> is a string variable (see section 4.2).
     <ifile> is a file declared using the IFILE declaration (see
     section 5.2).

     Programming considerations:

     -- These new formats for the PREPARE instruction are only
     supported on newer interpreters. The appropriate interpreter
     user's guide or release form should be consulted to find out if
     the interpreter supports the new formats.

     -- Most of the programming considerations listed in the general
     discussion of the OPEN instruction (see section 12.3.1) and in
     the discussion of the indexed sequential OPEN instruction (see
     section 15.1) apply to the indexed sequential PREPARE
     instruction. The following programming considerations apply only
     to the indexed sequential PREPARE instruction; and they
     supercede any conflicting programming considerations which may be
     in the two previously mentioned sections.

     -- The index file will have the name and extension provided in
     the <svar> or <slit>. Its default extension will be /ISI. The
     data file will have the same name as the index file with the
     extension of /TXT.

     -- If the drive number is specified, the interpreter first will
     attempt to open the data file on the specified drive. If the
     data file is not present on the specified drive, then the
     interpreter will attempt to open the data file on each on-line
     drive. If the all drive search reveals the data file is not
     present, the interpreter will create the data file on the
     originally specified drive. The interpreter will attempt to open
     the index file on the specified drive, and if it is not present,
     the index file will be created on the specified drive. Note
     that, unlike the data file, the index file always must be on the
     specified drive.

     -- If the drive number is not specified, the interpreter will
     search all on-line drives for the data file. If the interpreter
     is not successful in opening the data file on any drive, then it
     will create the data file on the lowest on-line drive. The same
     procedure will be used to open (or create) the index file when
     the drive is not specified.

     -- Regardless of whether the data and index files were opened or
     created, both of them will be written upon by the interpreter to
     turn them into NULL files. The data file will have an
     end-of-file (EOF) written into its first sector. The /ISI file
     will be altered so that it is "indexed" upon the null /TXT file;
     and it will be functionally equivalent to a null /ISI file created
     by the DOS INDEX utility. Any previous contents of the /TXT or
     /ISI files will be effectively destroyed.

     -- The index and data files will be initialized identically to
     how they would have been initialized if they had been NULL files
     that had been OPENed with the index sequential OPEN instruction
     by a newer interpreter (see section 15.1).

     -- If either the /TXT or /ISI file previously existed and was DOS
     WRITE protected, an I/O error will result.

     *** WARNING *** Use of the indexed sequential PREPARE instruction
     can cause loss of a data file and an index file. If, before
     execution of the PREPARE statement, the /TXT or /ISI files
     already exist, those file(s) will be changed to NULL file(s),
     destroying any previous file contents.

2.   The KEYIN statement now allows the *T<n> list control:

     -- In the *T<n> list control, a time-out occurs if more than <n>
     seconds elapse between entering any two characters. <n> can
     range from 1 to 65.

3.   The WRITE, WRITAB, and UPDATE statements now allow the *LL and *PL
     list controls:

     -- *LL instructs the interpreter to write the logical length of
     the variable, the characters between the form pointer and the
     logical length pointer. If the variable is null, no characters
     are written. This list control may be used in WRITE, WRITAB, and

UPDATE statements. Once given, it applies to all character
string variables until the end of the list is reached.

-- *PL is the list control which instructs the interpreter to
revert back to the normal mode of WRITing the physical length of
the variable (see section 12.3.4.1).

The TRAP instruction has been enhanced to allow the TRAPing of a
character.

<label1> TRAP   <label2> IF <event>

The above general format now allows <event> to be <char> where <char>
is a one character string literal, for example, "A".

-- The TRAPping of a character is not supported by the earlier 1500
interpreters, unless stated otherwise in the interpreter user's guide.

-- The <char> event occurs when one specific character is entered from
the keyboard. The character specified is the character to be trapped.

-- If a character trap occurs while a PI instruction is in effect, the
effect of the key and the TRAP is postponed until the PI expires.

-- Only one character event may be trapped at any one time. Mulitple use
of TRAP statements with the <char> event result in the trapping of only
the character specified in the last executed TRAP.

-- See the documentation on the TRAP instruction (section 6.9).

DOCUMENTATION ADDITIONS:

    The DBCMP15 Version 3 User's Guide has the following omissions:

    -- In section 6.9, it should state that "The TRAPping of the INTERRUPT
    key is not supported by the earlier 1500 interpreters, unless stated
    otherwise in the interpreter user's guide".

    -- In section 7.17, it should state that "The PORT and VERSION extensions
    of the CLOCK instruction are not supported by the earlier 1500
    interpreters, unless stated otherwise in the interpreter user's guide".

    -- In section 13.2, the following sentence should be added to part (d)
    of the fifth programming consideration; "In newer interpreters, an
    I/O error occurs only when trying to PREPARE a write protected file".

    -- In chapter 9, when discussing the *HON and *HOFF list controls, it
    should state that these list controls are not currently supported on
    ANY terminals.

    -- The DBCMP15 user's guide should state that leading zeroes are
    replaced by blanks when MOVEing to a numeric variable from a string
    or numeric variable. Also, leading zeroes are replaced with blanks
    when keying in characters into a numeric variable. Also, leading
    zeroes are replaced with blanks when READing into a numeric variable.

PROGRAM FILES RELEASED:

    DBCMP15/CMD   Overlay library file
    DBCMP15/RFM   Program release form print file

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of
Datapoint Corporation and may be used or transferred only pursuant
to the terms of a license agreement between Datapoint and the user.

PRODUCT/VER.REV: DIAGLOAD 1.1

PRODUCT DESCRIPTION: DIAGNOSTICS LOADER UNDER RMS

       This program allows the user sitting at a console
       node to downline load a DIAGNOSTIC PROGRAM avail-
       able in at least one of the USER'S ENVIRONMENTS
       and then execute it in a STANDALONE MODE.

PURPOSE OF RELEASE: D - NEW PRODUCT

SOFTWARE CANCELLED BY THIS RELEASE: None

SOFTWARE REQUIRED: RMS NUCLEUS

HARDWARE SUPPORTED:
       Processor: 3800/5500/6XXX/8600/8800
       Minimum Size: 32K

RELEASE ITEMS: MODEL CODE   RELEASE
    User's Guide   50696   6 Pages
    Program Media   20863   1 RMS Cassette

PROGRAM FILES RELEASED:

    DIAGLOAD/RFM   *Release Form*
    DIAGLOAD/CMD - DIAGNOSTICS LOADER UNDER RMS

LIMITATIONS:

    1. Diagload does not know if its executed from a workstation.

    2. Help screen of DIAGLOAD has serious deficiencies.

    3. User's Guide contains serious errors.

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

SYSTEM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of
Datapoint Corporation and may be used or transfered only pursuant
to the terms of a license agreement between Datapoint and the
user.

SYMBOL/VER.REV: DIAG8600 1.1

DESCRIPTION: Diagnostics for the 8600 and attached
                    peripherals.

PURPOSE: D - New Software Package

RELEASE MEDIA: 5500 Cassette Tape
                    9301 Cartridge Tape
                    DS/DD Diskette

TOTAL SECTOR SIZE: 1160 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

    Software: DOS.D 2.7
                    RMS
                    TAPEUTIL 1.4.1

    Hardware:
       Processor: 8600
       Minimum Size: 128K
       Disk: 9301/9316/1413

RELEASE ITEMS: MODEL CODE   Description
    User's Guide   61376   DIAG8600 User's Guide
    User's Guide   50732   consisting of :
            Kit   DIAG8600 User's Guide   61376
                                  TST8600 User's Guide   50726
                                  T301DG86 User's Guide   50687
                                  FPTEST86 User's Guide   50722
                                  T310DG86 User's Guide   50684
                                  DISK1486 User's Guide   50670
                                  DG86MFCA User's Guide   50721

    Program Media: 20867   2 Cassette Tapes (DOS Directory)
    Program Media: 20872   2 Cassette Tapes (RMS TAPEUTIL)
    Program Media: 20871   1 9301 Tape Cartridge (Special)
    Program Media: 20874   1 DS/DD Diskette (RMS Catalog)

DETAILED DESCRIPTION:

The 8600 Diagnostic system release, DIAG8600 1.1 consists of the following Products:

       DIAGLOAD 1.1   RMS Diagnostic Loader   (Not on DOS media)
       TST8600 1.1   8600 Processor Software Diagnostic
       FPTEST86 1.1   8600 Serial Printer Diagnostic
       T301DG86 1.2   9301 Disk and Tape Diagnostic
       T310DG86 1.1   9310 Disk Diagnostic
       DISK1486 1.1   1413 Diskette Diagnostic
       DG86MFCA 1.1   8600 MFCA Loopback Test
       BLDCASS   Chain file to write RMS Cassettes   (on 20872)
       BLD9301   Chain file to write 9301 Tapes   (on 20871)
       BLD1413   Chain file to write 1413 Diskettes   (on 20874)

   Note: Model Code 20871, DIAG8600 on 9301 tape cartridge contains
          two (2) copies of T301DG86. One is in Load-and-go format,
          with an IPL block, and the second is in RMS TAPEUTIL
          format.

   PROGRAM FILES RELEASED:

       DIAGLOAD/CMD   RMS Diagnostic Loader (Not on DOS media)
       TST8600A/CMD   --
       TST8600B/CMD   \
       TST8600C/CMD   > 8600 Processor System Diagnostics
       TST8600D/CMD   __/
       FPTEST86/CMD   8600 Serial Printer Diagnostic
       T301DG86/CMD   9301 Disk and Tape Diagnostic
       T310DG86/CMD   9310 Disk Diagnostic
       DISK1486/CMD   1413 Diskette Diagnostic
       DG86MFCA/CMD   8600 Multi-Functon Communications Adapter Diag.
       BLDCASS/CHN   Chain file to write RMS Cassettes
       BLD9301/CHN   Chain file to write 9301 Tape Cartridges
       BLD1413/CHN   Chain file to write 1413 Diskettes
       DIAG8600/RFM   System Release Form Print File

LIMITATIONS:
   DIAG8600
       1. DIAG8600 on 8600 Cartridge Tape as referenced in the
          user's guide is not available in version 1.1.
       2. The User's Guide contains spelling errors.
       3. Ten (10) seconds must be allowed to pass before attempting
          to execute any program loaded by DIAGLOAD under RMS, else
          the results will be unpredictable.
   DIAGLOAD
       1. User's Guide contains serious errors.
       2. HELP screen of DIAGLOAD has serious deficiencies.
       3. DIAGLOAD must not be executed from a workstation! It is
          to be used only to execute diagnostics on an 8600
          processor.
   TST8600
       1. There is no provision for exiting one test to go to
          another without rebooting the system.
   DG86MFCA
       1. Operator cannot select individual test or test
          parameters.
       2. The display key, if used to pause the progress messages
          on any of the tests without the loopback connector
          present, will indefinately pause the tests in the event
          of fatal error.
       3. "* - TEST EXIT" is in fact program exit, KBD is used to
          exit the tests.
       4. Error message for CPU downloading MFCA "FIRST ADDRESS =
          -1" is not correct.
       5. Timer resets to zero at the end of test instead of the
          beginning.
   FPTEST86
       1. Test 3 from first menu prints 2 columns when left margin
          equals right margin.
       2. Test 2 form first menu : If left margin and right
          margin are only 1 column apart results are erratic.
       3. Test 6 from first menu, using the back tractor and the
          right margin (132) the following is happening: the
          printer either double prints the "X" or the printer
          starts printing all over both front and rear tractors.
       4. Option screen; front and rear right/left margins and
          rear form lengths have the following error: any
          combination of beep (character overflow), back-space and
          the enter-key, results in erroneous display. In
          addition front and rear form lengths can upon this error
          not be totally cleared.
       5. When using rear tractor the rear form length must be set
          different than the default.
       6. The U.G. says erroneously that OMPtest Test 2 in
          automode, will print with double density. It prints
          with normal density.
   T301DG86
       1. CAUTION: When Test #2 - (SIO RAM Check) is aborted by
          the operator, the results are unpredictable.
       2. CAUTION: Before using Tests #201 - (Disk Single Track
          write) or #203 - (DISK Track Long Write), check the
          User's Guide to determine on which track the test will
          write.

                DATAPOINT DISTRIBUTED SYSTEMS DIVISION

                            RELEASE FORM

                      NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: DG86MFCA 1.1

DESCRIPTION: 8600 MFCA SOFTWARE PACKAGE

PURPOSE: D - New software package

RELEASE MEDIA: Cassette
TOTAL SECTOR SIZE: 48

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

       Software: RMS
                       ARC

       Hardware:
        Processor: 8602
        Minimum Size: 128K
        Other: MFCA Module and MFCA loopback connectors

RELEASE ITEMS: MODEL CODE   RELEASE
       User's Guide: 50721   18 Pages
       Program Media: 20865   1 RMS cassette tape in the TAPEUTIL
                                    format

DETAILED DESCRIPTION:

   DG86MFCA is a software diagnostic for the MFCA on an 8600
processor.   It is a loopback test, and requires either an internal
loopback connector on the MFCA card, or an external connector on the
backpanel.

LIMITATIONS:

    1. The operator cannot select individual tests or parameters.

    2. The DISPLAY Key, if used to pause the progress message on any
       of the tests without loopback connector present, will
       indefinately pause the tests in the event of fatal error.

    3. "* - TEST EXIT" is in fact program exit, KBD is used to
       exit the tests.

    4. Error message for CPU downloading MFCA "FIRST ADDRESS = -1"
       is not correct.

    5. Timer resets to zero at the end of test instead of beginning.

PROGRAM FILES RELEASED:
    DG86MFCA/CMD   8600 MFCA LOOPBACK TEST
    DG86MFCA/RFM   RELEASE FORM PRINT FILE

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint Corporation and may be used or transferred only pursuant to the terms of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: DOS.H 2.7

DESCRIPTION: 1500/1550/2150 Disk Operating System

PURPOSE: A - Corrects problems (bugs)
                 C - Adds new features (enhancements)

RELEASE MEDIA: Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette
                 Double-Sided Double Density Diskette
TOTAL SIZE: 876 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: DOS.H 2.6 & DOS.H 2.6.1

EXECUTION SUPPORT:

     Software: None

     Hardware:
     Processor: 1500/1550/2150
     Minimum Size: 32K
     Printer: Serial
     Disk: 9310/9320; 1542/1543/1402; 1401/1403/1404

RELEASE ITEMS: MODEL CODE   RELEASE
     User's Guide: 50308   357 Pages
     Program Media: 40279   1 SS/SD Diskette
     Program Media: 40482   1 SS/DD Diskette
     Program Media: 40457   1 DS/DD Diskette

DETAILED DESCRIPTION:

     Disk operating system for the Datapoint 1500 series processors, supporting the DOS.C and DOS.G diskette file structure, and the 4 logical drive, 2 logical drive, and 1 logical drive 9320 disk format. One to four 9310/9320 disks are supported on 64K+ machines. Supports one to two 154X or 1402 diskette controllers on 1500 processors, and one to four 1401/1403/1404 diskette controllers or one to two 154X/1402 diskette controllers on 1550 processors.

REVISIONS:

1. Hard disks supported by DOS.H now are referred to generically as "93XX" disks.

2. 93XX logical drive support has been expanded. In addition to the previous four logical drives per physical disk format, DOS.H also supports one or two logical drives per physical disk. The 'REMAP' utility is used to select the number of logical drives on a disk before the disk is generated by the 'DOSGEN' utility. Selecting the number of logical drives per physical disk will determine the number of bytes available on each logical drive of the disk. New 93XX disks or 93XX disks not generated by DOS.H 2.7 are assumed to be in the four logical drive format.

3. DOS.H may be manually booted directly from a 93XX disk on 1550 systems. The 'PUTIPL' utility, invoked automatically by 'DOSGEN' and 'BACKUP', will place the necessary IPL and BOOT blocks on a 93XX logical drive.

4. DOS.H correctly determines if an alternate drive may be soft-booted. Only drives which contain DOS.H 2.7 system files may be soft-booted. This affects the 'BOOT' utility, the 'REMAP' utility, and the DOS.H initialization routine which determines if a 93XX drive will be designated as the booted drive when the system is manually booted from diskette.

5. DOS.H assures that the relocatable LINKing loader has exclusive access to the DOS overlay region when the LINKing loader is active.

6. DOS.H passes the original logical file number (LFN) to the system error handler when an internal position error occurs. Previously, the LFN was always LFN 0.

7. DOS.H correctly reloads DOS when an error is encountered while loading before executing a file.

8. DOS.H now stops all processes involved in a non-trappable system error before reloading DOS.

9. DOS.H 2.7 fully supports operation on all 1500/1550 processors through ROM version 31 (decimal). Prior versions of DOS.H do not support operation on 1550 processors with ROM version 31 or greater.

10. DOS function 10, subfunction 1, returns correct region size in all possible configurations.

11. DOS function 4, subfunction 28, has been added to return the internal DOS address of the LOADX$ vector.

12. The 'BACKUP' utility now allows for an exact image backup of one 93XX disk to another, ignoring logical drive boundaries. This provides a quick method of backing up all the data on a disk. 'BACKUP' will also allow two data diskettes to be backed up on a two-diskette drive system. 'BACKUP' will pause to allow the BOOTed DOS system diskette to be replaced with the input diskette for the BACKUP, and will pause upon completion of the BACKUP operation to allow the DOS system diskette to be re-inserted. 'BACKUP' also uses an improved surface verification technique when initializing diskettes.

13. The 'CHAIN' utility allows CHAIN processing to be aborted by depression of the keyboard key during any CHAIN display function or at an operator breakpoint. 'CHAIN' no longer underflows the system stack, which resulted in the destruction of the sytem resource queue.

14. The 'COPY' utility allows for termination of a copy upon detection of a valid DOS text file end-of-file mark in the input file, or upon detection of a DOS-type record format error in the input file. These options are especially useful when copying files between 93XX disks and diskettes. 'COPY' also allows multi-volume files to be generated on up to 100 diskettes, and allows files spread over multiple diskettes to be copied to a single file on a 93XX disk.

15. The 'DOSGEN' utility now verifies cylinder zero of a 93XX logical volume. 'DOSGEN' employs an improved surface verification technique on all media.

16. The 'DUMP' utility allows a "P" to be entered at any level to cause the contents of the screen to be printed on the system printer.

17. The 'EDIT' utility commands :EX and :OX now translate a lower case DOS command line to upper case before passing the line to DOS. :C no longer pads lines with blanks. A data stamp is now placed in the edit configuration sector upon a :E or :EX command, if the 1500 processor clock had been set.

18. The 'FILES' utility now asks for local printer output only if a local printer is available and online. The 'FILES' command line scanner now correctly recognizes options separated by commas and/or blanks.

19. The 'PUTIPL' utility now places IPL and BOOT blocks on 93XX logical drives.

20. The 'REFORMAT' utility operates correctly when reformat-in-place with fixed record length is requested.

21. The 'REMAP' utility allows the user to select the number of logical drives per physical 93XX disk, thus determining the size of each logical volume. This operation will result in the loss of all previous files on the entire disk, and should only be dones prior to the execution of 'DOSGEN' on the disk. The ";P" option allows the system printer baud rate to be modified temporarily in memory, or permanantly on any online DOS.H logical drive. This option also allows the user to set the horizontal character spacing and the vertical line to partiion any extended memory in a 1550 processor with ROM version 31 or greater between the DOS program partition and the concurrent job partition. The display of the system diskette drives has been changed to reflect the physical location of the diskette in the drive.

22. The 'SORT' utility no longer loses secondary records during a primary record sort.

23. The 'UPGRADEH/27' upgrade chain file has been changed to allow the user the choice of upgrading "UTILITY/SYS" by an unconditional copy, or by "LIBSYS15/CMD". The use of "LIBSYS15" assures that any non-DOS.H members of UTILITY/SYS are preserved, but requires free file space equal to the size of "UTILITY/SYS" to be present. Some single density systems may not have this file space available. The unconditional copy of "UTILITY/SYS" will delete any non-DOS.H members, but requires no additional file space to be available. The chain file is now fully commented for ease of user-site modifications, and has operator breakpoints for verification of the upgrade operation to take place.

24. DOS.H fully supports operation of "REMDOS15".

25. IEOS 1.5 and earlier versions are not compatible with DOS.H 2.7. IEOS 1.6 (or later version) is required for DOS.H 2.7.

26. DS1500 1.1 is not compatible with DOS.H 2.7. DS1500 1.2 (or later version) is required for DOS.H 2.7.

27. The DOS.H Users's Guide has been updated to reflect all new features of the DOS and its associated utilities.

PROGRAM FILES RELEASED:

Diskette 1 of 1: This diskette contains the following System and Command files:

    AUTOKEY/CMD   Automatic keyin command function
    CHAIN/CMD   Program chaining command
    CHAIN/OV1   CHAIN overlay 1
    DOSGUP/REL   DOS.H entry points and definitions for LINKing
    DSKCHK15/CMD   Logical volume repair command
    EBCDIC/SEQ   EBCDIC sequence file for SORT
    INDEX/CMD   ISAM index file generator
    SORT/CMD   DOS sorting utility
    SYSTEM0/SYS   Resident operating system
    SYSTEM1/SYS   Prep/Alloc overlay

SYSTEM2/SYS	File close overlay
SYSTEM3/SYS	File open overlay
SYSTEM4/SYS	Tasking/Communication module
SYSTEM5/SYS	Abort overlay
SYSTEM6/SYS	RAM screen/RAM keyboard loader
SYSTEM7/SYS	DOS functions and subdirectories
SYSTEM/OVL	Absolute library for mixed-media support
SYSTEM/REL	Relocatable library for mixed-media support
UTILITY/LNK	Relocatable LINKing loader
UPGRADEH/27	Chain file to upgrade existing systems
DOSH/RFM	Release Form print file

UTILITY/SYS contains certain DOS commands:

ABTONOFF	Turn "ABTIF" bit of DOSFLAG on or off
APP	Object file append
AUTO	Automatic load function
BACKUP	Disk copy and defragmentation main module
BACKOV1	Backup overlay 1
BACKOV2	Backup overlay 2
BLOKEDIT	Block text editor
BOOT	Alternate drive soft boot
BUILD	Key to disk utility
CAT	Program catalog list utility
CHANGE	File protect command
CLOCK	Internal clock read and set program
COPY	File copy utility
DECODE	DECODE an ENCODEd file
DOSGEN	Disk/diskette generation/initialization
DUMP	Logical disk sector DUMP program
EDIT	DOS general purpose editor
ENCODE	Encode any disk file (for transmission)
FILES	Sorted file description list command
FIX	Object code editor
FREE	Free files and space list utility
KILL	File deletion utility
LIST	Text file list utility
MANUAL	Automatic load cancel
NAME	File name change/specification utility
PUTIPL	Write IPL & bootblocks to disk
PUTVOLID	Write symbolic volume identification to disk
REFORMAT	Disk file reformation utility
REMAP	System resource mapping command
REMAPOVD	Logical drive remap overlay
REMAPOVM	Extended memory remap overlay
REMAPOVP	Printer remap overlay
SAPP	Text file append program
SUR	Subdirectory utility

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

SYMBOL/VER.REV: DS1500 1.2

DESCRIPTION: 1500/1550/2150 DATASHARE

PURPOSE: C - Adds new features (enhancements)

RELEASE MEDIA: Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette
                 Double-Sided Double Density Diskette
TOTAL SIZE: 624 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: DS1500 1.1

EXECUTION SUPPORT:

    Software: DOS.H 2.6 or later
                     DOS.H 2.6.1 (INDEX/CMD) or later
                     LIBSYS15 1.3
                     LINK15 1.2

    Hardware:
     Processor: 1500/1550/2150
     Minimum Size: 64K
     Printer: 9231/9235/9621
     Disk: 14XX/15XX/93XX

    1500 Concurrent Job Compatible: Yes (with noted restrictions)

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50482	76 Pages
Program Media:	20697	1 SS/SD Diskette
Program Media:	20809	1 SS/DD Diskette
Program Media:	20793	1 DD/DS Diskette
Software:	20727	1 DS1500 1.2

NOTE: When ordering, please include model code for Software and model code for desired media.

DETAILED DESCRIPTION:

    DS1500 is a high-level, multi-user, interactive program which interprets Datapoint's DATABUS language. It operates on Datapoint's 1500/1550 series processors. It is capable of serial printer support, indexed-sequential, random-accessed, or sequential file I/O. DS1500 supports a maximum of four ports. The 1500/1550/2150 can be configured as a port. The external ports can be configured to run on the Four Port Communications Adapter (FPCA) or the Internal Communications Channel (ICA) and the SIO Communications Channel (if ROM version 31 or greater).

RESTRICTIONS:

    DOS.H 2.6.1 (or later) INDEX command must be used to create null ISI files for use with DS1500.

    DS1500 can NOT execute concurrently if Multilink (external communications) is configured. A maximum of one port can be configured if DS1500 is to execute concurrently on a 64K 1500/1550.

    The *HOFF and *HON list controls are not supported on any terminals. Users who have terminals that support inverse video must provide the appropriate octal control character sequence in the KEYIN/DISPLAY list to enable or disable the inverse video on their terminals.

REVISIONS:

1. Interpreter Replacement -- The DS1500 1.2 Interpreter replaces the DS1500 1.1 Interpreter in every aspect of 1500 DATASHARE operation.

2. Supported Features -- DS1500 1.2 fully supports all features and configurations of DS1500 1.1, with the exception of changes to the COMWAIT verb.

3. CHANGES TO EXISTING FEATURES:

    A. Concurrency Support -- Concurrency now is supported on a 64K 1500. This configuration is valid only when there is a maximum of 1 port configured into the DATASHARE system.

    B. Port One on the Console -- Port one on the console now supports the repeat key feature. This feature performs the same as on all 8200's.

---

4. NEW FEATURES:

    A. Ports on the SIO Communications Channel -- The 1550 processor with ROM version 31 or greater has an optional second internal communications channel. This allows a user to configure four DATASHARE ports without configuring the FPCA (Four Port Communications Adapter). The SIO communications channel can run two DATASHARE ports; the internal communications channel (ICA) can run one port; and port 1 is configured to be on the console. The maximum number of ports on a system with an FPCA remains at four.

    B. Internal Communications -- DS1500 supports the full range of internal communications. The RECEIVE verb was added to complete the necessary link to have a useful internal communications. DS1500 internal communications now functions as documented in the DBCMP15 User's Guide (Model code 50302). The internal communications no longer functions as formerly documented in the DS1500 1.1 User's Guide.

    C. Multilink Support for External Communications -- DS1500 supports the Multilink facility to enable a DATABUS program to interface with an external communications device. Multilink is run as an independent task with the ability to start multiple tasks of its own. Multilink requires a 1500 with at least 64K of memory. In this 64K configuration, Multilink has the same restriction as support for a concurrent job, which is a maximum of 1 port configured. In a 1550 with greater than 64K, the Multilink will execute with a maximum of 4 DATASHARE ports. Multilink and Concurrency will NOT execute together because they both use the region from 0150000-0167777 (8K of memory).

    D. ACALL -- ACALL (assembler language "CALL") is supported in a 1550 with 96K or more of memory. The ACALL overlay uses an extended memory sector for its execution. The ACALL overlay is opened and checked for validity. The extended memory is mapped in and the ACALL is loaded. DS1500 will support only the dynamic ACALL feature. If only one ACALL overlay is used, then it is loaded only once and simply is "mapped" into logical space as needed. The ACALL is restricted to fit into 4K of RAM or the ACALL overlay will not be loaded.

    E. DATABUS Library Support -- In DS1500 the user now may keep his/her DATABUS programs in a library. Using the Datapoint library utility program LIBSYS15, one may create library files of DATABUS object code (/DBC programs). Such libraries are accessed and utilized by DATASHARE in much the same manner as DOS uses the UTILITY/SYS file.

    F. The WRITE, WRITAB, and UPDATE verbs now allow two new list controls:

        1. *LL -- Write the logical length of the variable

        2. *PL -- Write the physical length of the variable

    G. The RECEIVE verb has been added for internal and external communications.

H. The PREPARE verb now allows the creation of a null /ISI file and an associated null /TXT file.

I. The *T<n> list control is now supported in KEYIN statements.

J. DS1500 now will support TRAP on character. This function is handled in a similar manner as a TRAP on a function key(s) and the interrupt sequence.

OTHER CHANGES:

A. The SHUTDOWN verb will now ensure the printer is released before returning control to DOS:

B. Two consecutive spaces will now be compressed to 011,002 if space compression is enabled during a WRITE. This was done to increase compatibility with DS6 and should not effect program execution.

C. The DS1500 signon message will now precede all initialization error messages.

D. The user may now re-link the DS1500 interpreter without KILLing the /CFG file.

6. PROBLEMS FIXED -- The following is a list of problems that occured in DS1500 1.1 which have been FIXED in DS1500 1.2.

A. If DS1500 did an INDEXED READ, and no match was found for the key, the variables in the read list were erroneously nulled.

B. A cursor positioning list control in a KEYIN statement would erroneously clear the function key flags. Thus, if one of these list controls followed a variable at which the function key was hit, the function key flag would not remain set.

C. When DS1500 was doing space compressed WRITEs, and WRITEing a sequence of two or less compressed spaces, the interpreter would lose its place in the sector causing indeterminate and serious results.

D. If characters were entered into a variable that was preceded by an *RV, then the *RV condition was erroneously applied to the next KEYIN variable even if it was in a separate subsequent KEYIN statement.

E. If a KEYIN variable was preceded by an *RV list control, and if an *T timeout occured, or a new-line or function key was hit before any characters were entered into the variable, then the variable was erroneously nulled.

F. DS1500 1.1 would erroneously give a CFAIL error message when trying to execute a program that was compiled with a compiler released prior to DBCMP15 2.1.

G. The interpreter would not give a CFAIL error message if it was attempted to execute a DATABUS program that exceeded 32K.

H. DS1500 erroneously set the OVER flag when moving a numeric variable to itself.

I. If an INDEXED READ was done using tabbing by a decimal constant, and if the record was not found, then the interpreter might skip subsequent DATABUS statements.

J. If a string variable was null, and if this variable was displayed by using an *DV in a KEYIN statement, then the form pointer of the null variable was erroneously changed from 0 to 1. Also the cursor would erroneously flash temporarily at the first character of the *DV variable.

K. If tabbing by a numeric variable was done in a PRINT statement, the column tabbed to was one greater than the number in the variable.

L. If DS1500 was configured for formfeed on RELEASE, and if a RELEASE was executed when more than 3 seconds had elapsed since the last PRINT statement was executed by that port, then DS1500 would "hang" if a SHUTDOWN or ROLLOUT was attempted before the next PRINT statement was executed.

M. If a KEYIN statement cursor positioning list control was placed between a *JR or *ZF list control and the following variable, the effect of the *JR or *ZF was nullified.

N. If DS1500 was doing space and record compressed INDEXED WRITEs, and if data records in the last physical sector before the end of file (EOF) contained an 011 followed by an 003, then an I*B error would result.

O. If INDEXED disk activity was being done on more than one port, and if an INDEXED WRITE was followed by an INSERT, then sometimes an I*X or I*Z error would result.

P. If *RV preceded a variable, and a null entry was made, the form pointer of the variable was changed to 1. If the variable had previously been null, changing the form pointer to 1 could cause subsequent WRITEs of the variable to yield indeterminate results.

Q. A logical WEOF was not putting the 003 into the current buffer position before writing the end of file (EOF).

R. ROLLOUT would only take the first 43 characters from a command line that was contained in a string VARIABLE, although a command line of up to 77 characters should have been permissable when using a string variable.

S. PREPARE erroneously gave an I*P error if it was attempted to PREPARE a delete protected file.

T. If *RV preceded a variable, and if characters were entered into the variable followed by a CANCEL or BACKSPACE back to the first position of the variable, then the effects of the *RV were erroneously not nullified.

U. The position of the text file after a DELETE was indeterminate. The text file should have been positioned to the byte following the 015 of the deleted record (which had been overwritten by an 032).

PROGRAM FILES RELEASED:

File	Description
DS1500/RFM	Release Form print file
DS1500/CMD	System Loader and Configurator modules
DS1500/REL	Relocatable library contains main Interpreter modules for linking at the user site.
DS1500/CHN	CHAIN file for user site linking
FUNCTION/TXT	Sample ANSWER program example for down-line loading character set to 8200 terminals.
FUNCTION/SYS	8200 function key character set

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

SYMBOL/VER.REV: EMGRTS15 1.2

DESCRIPTION: HONEYWELL G-115 Emulator for 1500/1550/2150

PURPOSE: A-Corrects problems (bugs)

RELEASE MEDIA: Single Sided Single Density Diskette
                  Single Sided Double Density Diskette
                  Double Sided Double Density Diskette
TOTAL SIZE: 144 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: EMGRTS15 1.1

EXECUTION SUPPORT:

Software: DOS.H 2.7

Hardware:
  Processor: 1500/1550/2150
  Minimum Size: 32K
  Printer: Serial
  Comm: 1500 internal communications channel
           with RS-232-C modem.
  Min Baud Rate: 1200
  Max. Baud Rate: 4800
  Min. RTS/CTS Delay: 8.5 ms
  Continuous Carrier: Yes
  Mode: Half Duplex
  Line: Dial/Leased

5500/6600 Partition Supervisor Compatible: No

1500 Concurrent Job Compatible: Yes (on 64K only)

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50640	69 Pages
Program Media:	20697	1 SS/SD Diskette
Program Media:	20809	1 SS/DD Diskette
Program Media:	20793	1 DS/DD Diskette
Software:	40463	EMGRTS15 1.1

NOTE: When ordering, please include model code for software and model code for desired media.

DETAILED DESCRIPTION:

    EMGRTS15 is a program which will emulate the operation of the
Honeywell G-115 remote computer terminal. EMGRTS15 is written to
execute on a Datapoint 1500 computer with at least 32K of RAM memory
and executes as the main program under DOS.H. Concurrent job
processing is not supported in a 1500 with 32K of RAM memory, but is
supported in a 1500 processor with 64K of RAM memory.

REVISIONS:

** 1.2 **

1.   The problem of the command +WT hanging, SPR 10400, has been
     corrected.

2.   The program has been modified to use the faster and more
     efficient ROM 31.

PROGRAM FILES RELEASED:

    EMGRTS15/CMD   Command file
    EMGRTS15/CFG   Configure file
    EMGRTS15/RFM   Print file for release form

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

THE SOFTWARE ITEM DOUMENTED ON THIS FORM IS THE PROPERTY OF DATAPOINT
CORPORATION AND MAY BE USED OR TRANSFERRED ONLY PURSUANT TO THE TERMS
OF A LICENSE AGREEMENT BETWEEN DATAPOINT AND THE USER

SYMBOL/VER REV: FPTEST86 1.1

RELEASE DATE: APRIL 26, 1982

DESCRIPTION: SERIAL FREEDOM/MATRIX PRINTER DIAGNOSTIC FOR THE KDS SERIAL
              PORT ON 8600 PROCESSORS

PURPOSE: D - NEW SOFTWARE PACKAGE

RELEASE MEDIA: CASSETTE
TOTAL SECTOR SIZE:120

SOFTWARE CANCELLED BY THIS RELEASE: NONE

EXECUTION SUPPORT:

     SOFTWARE: DOS 2.7

     HARDWARE:
     PROCESSOR: 8600
     MINIMUM SIZE: 24K
     PRINTER: 9231,9235,9234,9621
     OTHER: ARC NETWORK.

RELEASE ITEMS: MODEL CODE   RELEASE
   USER'S GUIDE: 50722   18 PAGES
   PROGRAM MEDIA: 20866   1 DMF CASSETTE

DETAILED DESCRIPTION:

 FPTEST86 IS A SERIAL PRINTER DIAGNOSTIC FOR FREEDOM/MATRIX
 PRINTERS ATTACHED TO THE KDS RS-232C PORT ON AN 8600 PROCESSOR

LIMITATIONS:

#1
TEST3 FROM FIRST MENU PRINTS 2 COLUMNS WHEN LEFT-MARGIN EQUALS RIGHT-MARGIN.

#2
TEST2 FROM FIRST MENU: IF LEFT-MARGIN AND RIGHT-MARGIN ARE ONLY 1 COLUMN
APART RESULTS ARE ERRATIC.

#3
TEST6 FROM FIRST MENU, USING THE BACK TRACTOR AND THE RIGHT-MARGIN(132)
THE FOLLOWING IS HAPPENING: THE PRINTER EITHER DOUBLE PRINTS THE "X" OR THE
PRINTER STARTS PRINTING ALL OVER BOTH FRONT AND REAR TRACTORS.

#4
OPTION SCREEN; FRONT & REAR RIGHT/LEFT MARGINS AND FRONT & REAR FORM LENGTHS
HAVE THE FOLLOWING ERROR: ANY COMBINATION OF BEEP (CHARACTER OVERFLOW),
BACK-SPACE AND THE ENTER-KEY, RESULTS IN ERRONEOUS DISPLAY. IN ADDITION, FRONT
AND REAR FORM LENGTHS CAN UPON THIS ERROR NOT BE TOTALLY CLEARED.

#5
WHEN USING REAR TRACTOR THE REAR FORM LENGTH MUST BE SET DIFFERENT THAN
THE DEFAULT VALUE.

#6
THE U.G. SAYS ERRONOUSLY THAT OMTEST TEST2 IN AUTOMODE, WILL PRINT WITH
DOUBLE DENSITY. IT PRINTS WITH NORMAL DENSITY.

PROGRAM FILES RELEASED:

    FPTEST86/RFM   RELEASE FORM IN PRINT FORMAT
    FPTEST86/CMD   COMMAND FILE

DATAPOINT CORPORATION

OFFICE COMMUNICATIONS SYSTEMS DIVISION

SOFTWARE RELEASE NOTIFICATION

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

RELEASE TYPE: PRODUCT FEATURE

RELEASE STATE: FINAL RELEASE

PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: INFOSWITCH/CASH I 1.3.1

RELEASE DATE: APRIL 19, 1982

DESCRIPTION: Call Accounting System for Hotels

RELEASE MEDIA: Seven Single Sided Double Density Diskettes
                or One Front Loading 2.5 MB Disk
                or One Top Loading 10MB Disk
                or One Top Loading 25MB Disk
                or One Top Loading 60MB Disk

SOFTWARE CANCELLED BY THIS RELEASE: CASH 1.2.1

MINIMUM HARDWARE REQUIRED:

         Processor/Series: 1800/3800/6000/6600
         Memory Size: 60K
         Disk: 9354 (Front Loading - 2.5MB) or
                             9374 (Top Loading - 10MB) or
                             9371 (Top Loading - 25MB) or
                             9390 (Top Loading - 60MB) or
                             9310 (Front Loading - 10MB)
         Comm: 9462 Multi-port Adaptor (with 6000/6600)
                             9400 Comm Adaptor (with 6000/6600)
         Printer: Local or Servo
         Terminal/Series: 3600/3601 (1 Minimum with 6000/6600)
                             8200/8201 (1 Minimum with 6000/6600)

RELEASE ITEMS:

	MODEL CODE	DESCRIPTION
Object Code:	9840	CASH 1.3.1
Object Media:	20651	On (7) Single Sided Double Density Diskettes

Object Media:	20652	On 2.5 MB System Disk
Object Media:	20653	On 10 Megabyte System Disk
Object Media:	20654	On 25 Megabyte System Disk
Object Media:	20655	On 60 Megabyte System Disk
User's Guide:	50631	User's Guide for CASH

FEATURES:

1. The DATASHARE provided with this release is DS6 version 1.2 which has ALREADY had ALL fourteen (14) patches applied to DS6/REL.

2. PHANSWER - Staff discount basic charge changed to reflect basic charge after staff discount but before tax is applied. This affects the monitoring of costed calls only and only in the debug portion of the monitor printout.

3. A problem occurred when time of check-in was back-timed. Calls will now be posted correctly for identical current, prior and specified posting times.

4. There was a problem with dialed numbers with an imbedded "555" being costed as an information call (i.e. 492-5555, 1-492-5555). This has been corrected.

5. 1+555 dialed numbers will be reported as local or long distance just as any other dialed number is reported whether extended local call costing or not is in effect.

6. 555-1212 and 1+555-1212 dialed numbers are automatically treated by the Phantom as Information calls so that two starting positions for Information calls in the Parameters will suffice. Therefore, for those areas which have four long distance information call patterns calls will be handled correctly.

7. The printing speed of the Guest Bill on the terminal printer when requested at time of check-out has been improved.

8. There is a new report available which is the UNPOSTED Call Summary Report for guests which have checked-out and have calls which have not been posted. The following information is presented in this report:
   the room number,
   abbreviated guest name,
   total count of local calls,
   total charge of local calls,
   total count of long distance calls
   total charge of long distance calls, and
   total of all telephone charges.

This report summarizes calls placed by guests that have checked-out since the last time all calls were posted. The report will be in check-out time order. This report will be extremely useful in balancing the "Cash Register Drawer" to the posting machine audit tape.

9. The Telephone Call Summary and the Telephone Call Itemization by Room Reports produced during the nightly reporting will now reflect the same information as mentioned above (item #8). The extension number will be eliminated from these reports. A room total column was also added to these reports.

10. CASH now supports an interface to a customer provided front office system. If the Phantom is not otherwise occupied processing call records, costed call records will be sent from CASH in HOBIC format via Multilink over a cable connected to some other computer system. If supported by the receiving system, the CTS (Clear To Send) signal will be used to inhibit CASH's transmission of a record. This capability will be an option in the Hardware Definition area of the parameters. Records will only be sent in the HOBIC format and can only be sent with no responses expected or allowed. Transmission is asynchronous.

11. The CLEAR ROOM command will now include another option to facilitate parallel cutover to live accounting. This option will delete and initialize the call file without altering the room file.

12. The SMDR Port Offset Value is included in the Parameters file. This offset value will be useful in a multiple SMDR situation. However, when utilizing two SMDR's there must be an ARC environment with two Application Processors each running CASH.

13. The ";E" option is used on the COPY command to deallocate unused space for those files that are backed-up in the maintenance chain.

14. The Total Usage amounts can be optionally saved by the initialization chain (ICAMINIT/TXT).

15. The duration format mmmm.m option was added to the PBX definition. Note that the usage of this option is fixed to only two formats. They are: mmmm.m (Hitachi Ex-10 PBX) where the length of the duration field must be defined as 6 characters; and mmmm (Discovery SMDR) with a length of 4 characters.

16. The number of bytes that must be reserved for the Multilink line driver has been increased to 1536. This will be entered during the execution of the ICAMCONF/TXT chain.

17. The ICAMCONF chain will ask if the Data Entry Verbs should be activated; answer YES to this prompt.

18. The name of the DATASHARE Interpreter provided on diskette media has been changed from DS60K to DSCASH.

19. The DATASHARE Interpreter provided on diskettes has been placed on both COMMANDS A and COMMANDS B diskettes and ANSWER2, PMASTER2 and REPACC program modules have been placed on COMMANDS B diskette so that if a system has performed maintenance and the user is not in attendance, the CASH system will continue to collect calls after this function has completed.

20. It is necessary to execute the ICAMINIT chain for an upgrade to create a new ICAMPARM/TXT file. Note that the Total Usage amounts can be saved by properly answering the chain prompt.

21. CASH now interfaces correctly with Datapoint's SMDR. When using Datapoint's SMDR, an acknowledgement (ACK) will be sent back to the SMDR via Multilink after every call record received by CASH. This means that if the ICA or 9400 is utilized for this purpose it cannot also be used for HOBIC output (Feature #10 above). However, HOBIC output can be supported through a port on the MPCA. The CTS feature is not provided for HOBIC output with this configuration.

22. Display Room - Status display has been fixed.

23. LINE DRIVER-ICAMCOM/REL - changed to reset communications device if 5 or more errors ('Parity' or 'Record too long') occur. Error Message Handling does not change.

24. If the suppression of local and/or long distance digits is selected along with HOBIC output, the HOBIC output record dialed will reflect appropriate 'X' digits for "masked" dialed digits.

25. The initialization database chain, ICAMINIT has been enhanced to enable the ICAMPARM/TXT and ICAMCMDS/TXT file to be directed to a user assigned drive.

26. Enhanced MAK9320/CHN to over-write an existing DATASHAR/DBL. This corrects a previous error encountered when using this chain during a CASH software upgrade.

Filename	Description
AIMDEX/CMD	AIM File Generation Utility
AUTOKEY/CMD	Automatic Keyin Command Function
BACKUP/CMD	Disk Copy and Defragmentation Program
CAT/CMD	Program Catalog List Utility
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay 1
CHAIN/OV2	CHAIN Overlay 2
CHAINPLS/CMD	Chain File Compiler and Executor
CHAINPLS/OV1	Chainpls Overlay
CHAINPLS/OV2	Chainpls Overlay
CHAINPLS/REL	Chainpls Relocatable Library
CHEKTEXT/CMD	Text File Verfication Program
COPYFILE/CMD	Copyfile Command
COPYFILE/OVD	Copyfile overlay for 9370/9374 (DOS.D)
COPYFILE/OVE	Copyfile overlay for 9350 disk (DOS.E)
COPYFILE/OVG	Copyfile overlay for DOS.G
COPYFILE/OVY	Copyfile overlay for 9390 (DOS.D)
COPYFILE/OVW	Copyfile overlay for 9320 (DOS.D)
DOS/EPT	DOS Entry Point File
DOSD/RFM	DOS.D 2.7 Software Release Notification Form
DOSE26/RFM	DOS.E 2.6 Software Release Notification
DOSEPT/REL	DOS Entry Points in Relocatable Form
DOSG/RFM	DOS.G 2.6 Software Release Notification Form
DS6/REL	DS6 Library Used in Association with DS6/TXT and IS ALREADY patched to level 14
DS6/TXT	Chain Used in Establishing a DATASHARE Environment
DSKCHECK/CMD	System data check and repair
EBCDIC/SEQ	EBCDIC Sequence Overlay for SORT
EDIT/CMD	DOS General Purpose Editor
FASTSORT/CMD	Fast Sort Utility
FIXREL/CMD	Relocatable FIX Utility
INDEX/CMD	ISAM Index File Generator
LIBSYS/CMD	System Library Maintenance Utility
LINK/CMD	Link and Editor for Relocatable Modules
MIN/CMD	Cassette Input Utility
SORT/CMD	DOS Sorting Utility
SORT/OV1	SORT Utility Overlay
SYSTEM0/SYS	Resident Operating System
SYSTEM1/SYS	PREP Overlay
SYSTEM2/SYS	CLOSE Overlay
SYSTEM3/SYS	OPEN Overlay
SYSTEM4/SYS	ALLOC Overlay
SYSTEM5/SYS	ABORT Overlay
SYSTEM6/SYS	System Initialization Overlay
SYSTEM7/SYS	Subdirectory and DOS Function Overlay
UBOOT/CMD	Universal Boot Tape Writer
UNITERM4/CMD	DOS Universal Terminal Emulator
UNITRM18/CMD	1800/3800 Universal Terminal Emulator
UPGRADE/27	Chain File for partial DOS.D Upgrade
UPGRADE/E	Chain File for DOS.E Upgrade
UPGRADEG/26	Chain file for DOS.G Upgrade

```
UTILITY/LNK            Relocatable loader
UTILITY/OVL            Memory resident overlays and DOS functions
UTILITY/REL            Select relocatable library members
UTILITY/SYS            System Utilities Files
```

SYSTEM FILES RELEASED:

DOS.D/DOS.E

Filename	Description
CASH/RFM	Software Release Notification Form for CASH 1.3.1
CMSERROR/TXT	CASH Error Definition File
DATASHAR/DBL	Datashare Library contains System modules
ICAM/CMD	CASH Command File
ICAMACAL/REL	CASH Assembler Code ACALL
ICAMARC/TXT	Chain File for ARC Generation on DOS.D
ICAMARCE/TXT	Chain File for ARC Generation on DOS.E
ICAMCOM/REL	CASH Multilink Line Driver
ICAMCONF/TXT	System Configuration chain
ICAMINIT/TXT	System Initialization chain
ICAMMNT/TXT	System Maintenance chain (CHAINPLS)
ICAMMNT/CHN	System Maintenance chain (CHAIN)
ICAMSTRT/PRT	Startup Procedures for 2.5MB, 10MB, 25MB, and 60MB

DOS.G

Diskette 1   (UTILITIES)

Filename	Description
AUTOKEY/CMD	Automatic Keyin Generation Utility
CHAINPLS/CMD	Chain File Compiler and Executor
CHAINPLS/REL	Chainpls Relocatable Library
CHAINPLS/OV1	Chainpls Overlay
CHAINPLS/OV2	Chainpls Overlay
CHEKTEXT/CMD	Text File Verification Program
DOSGOVL/PCH	DOS.G Patch for UTILITY/OVL
DOSGBKU/PCH	DOS.G Patch for BACKUP in UTILITY/SYS
FASTSORT/CMD	Fast Sort Utility
INDEX/CMD	ISAM Index File Generator
LIBSYS/CMD	System Library Maintenance Utility
LINK/CMD	Link and Editor for Relocatable Modules
UNITRM18/CMD	1800/3800 Universal Terminal Emulator
COPYFILE/OVG	Copyfile overlay for DOS.G
COPYFILE/OVW	Copyfile overlay for 9320 disk DOS.D
DOS/EPT	DOS Entry Point File
DOSEPT/REL	DOS Entry Points in Relocatable Form
DOSG/RFM	DOS.G 2.6 Software Release Notification Form
EBCDIC/SEQ	EBCDIC Sequence Overlay for SORT
SORT/CMD	DOS Sorting Utility
SORT/OV1	SORT Utility Overlay
UPGRADEG/26	Chain File for DOS.G Upgrade

Diskette 2   (STARTUP)

Filename	Description
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay
CHAINPLS/CMD	Chain File Compiler and Executor
CHAINPLS/OV1	Chainpls Overlay
CHAINPLS/OV2	Chainpls Overlay
CHAINPLS/REL	Chainpls Relocatable Library
INDEX/CMD	ISAM Index File Generator
FASTSORT/CMD	Fast Sort Utility
FIXREL/CMD	Relocatable FIX Utility
ICAMINIT/TXT	System Initialization chain
MAK9320/CHN	Chain File to create 9320 Generation Disk
MAK1402/CH1	Chain File to create 1402 Generation Diskettes
MAK1402/CH2	Chain File to continue creation of 1402 Generation Diskettes
CASH/RFM	Software Release Notification form for CASH 1.3.1
ICAMSTRT/18S	Startup Procedures for 1800 Single Density Diskettes
ICAMSTRT/18D	Startup Procedures for 1800 Double Density Diskettes
ICAMSTRT/10M	Startup Procedures for 9320 Disk

** Minimum DOS.G File Contents

Diskette 3   (COMMANDS A)

Filename	Description
ANSWER/DBC	(The following files are modules extracted from DATASHAR/DBL Library.)
ANSWER2/DBC	
CLEROO/DBC	
PMASTER2/DBC	
MASTER/DBC	
PRIFIL/DBC	
REPACC/DBC	
REPCAL/DBC	
REVPAR/DBC	
REVPBX/DBC	
REVROO/DBC	
REVTIM/DBC	
ICAM/CMD	CASH Command File
INDEX/CMD	ISAM Index File Generator
DATASHAR/DBL	This is provided to eliminate a DATASHARE error message. File has no contents.
AUTOKEY/CMD	Automatic Keyin Command Function
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay 1
DSCASH/CMD/COM	1802 60k SSDD DATASHARE INTERPRETER

** Minimum DOS.G File Contents

Diskette 4   (COMMANDS B)

Filename	Description
REVCHA/DBC	(The following files are modules extracted from DATASHAR/DBL Library.)
REVDAY/DBC	
REVLEV/DBC	
REVRAT/DBC	
REVROO/DBC	
ANSWER/DBC	
CLEROO/DBC	
MASTER/DBC	
PRIFIL/DBC	
REVTIM/DBC	
REPACC/DBC	
ANSWER2/DBC	
PMASTER2/DBC	
AUTOKEY/CMD	Automatic Keyin Command Function
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay
FASTSORT/CMD	Fast Sort Utility
ICAM/CMD	CASH Command File
ICAMMNT/CHN	System Maintenance Chain
INDEX/CMD	ISAM Index File Generator
LIBSYS/CMD	System Library Maintenance Utility
DATASHAR/DBL	This is provided to eliminate a DATASHARE error message. File has no contents.
DSCASH/CMD/COM	1802 60k SSDD DATASHARE INTERPRETER

** Minimum DOS.G File Contents

Diskette 5   (MAINTENANCE)

Filename	Description
AUTOKEY/CMD	Automatic Keyin Generator Utility
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay
DS6/TXT	Chain Used in Establishing a DATASHARE Environment
DS6/REL	DS6 Library Used in Association with DS6/TXT with 14 patches ALREADY applied
FASTSORT/CMD	Fast Sort Utility
ICAMACAL/REL	CASH Assembler Code ACALL
ICAMCOM/REL	CASH Multilink Line Driver
ICAMCONF/TXT	System Configuration Chain
INDEX/CMD	ISAM Index File Generator

** Minimum DOS.G File Contents

Diskette 6   (DATABASE)

Filename	Description
CMSERROR/TXT	CASH Error Definition File
ICAMCALL/TXT	(The following files are Sample CASH Database's.)
ICAMCHGS/TXT	
ICAMCMDS/TXT	
ICAMDAYR/TXT	
ICAMLEVL/TXT	
ICAMPARM/TXT	
ICAMRATE/TXT	
ICAMROOM/TXT	

** Minimum DOS.G File Contents

Diskette 7   (CONFIGURATION)

Filename	Description
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay
CHAINPLS/CMD	Chain File Compiler and Executor
CHAINPLS/OV1	Chainpls Overlay
CHAINPLS/OV2	Chainpls Overlay
CHAINPLS/REL	Chainpls Relocatable Library
DOS/EPT	DOS Entry Point File
DOSEPT/REL	DOS Entry Points in Relocatable Form
DOSG/RFM	DOS.G 2.6 Software Release Notification Form
DSCASH/CFG	(The following files are for an 1802 60k SSDD Datashare Configuration.)
DSCASH/CMD	
DSCASH/COM	
DSCASH/LEX	
LIBSYS/CMD	System Library Maintenance Utility
LINK/CMD	Link and Editor for Relocatable Modules

** Minimum DOS.G File Content

** DOS.G Minimum File Contents on CASH 1800 Diskettes:

Filename	Description
SYSTEM0/SYS	Resident Operating System
SYSTEM1/SYS	PREP Overlay
SYSTEM2/SYS	CLOSE Overlay
SYSTEM3/SYS	OPEN Overlay
SYSTEM4/SYS	ALLOC Overlay
SYSTEM5/SYS	ABORT Overlay
SYSTEM6/SYS	System Initialization Overlay
SYSTEM7/SYS	Subdirectory and DOS Function Overlay
UTILITY/LNK	Relocatable Loader
UTILITY/OVL	Memory Resident Overlays and DOS Functions
UTILITY/REL	Select Relocatable Library Members

UTILITY/SYS

Filename	Description
ABTONOFF/CMD	Turn "ABTIF" bit of DOSFLAG On or Off
AUTO/CMD	Automatic Load Function
BACKUP/CMD	Disk Copy and Defragmentation Program
BOOT/CMD	BOOT drive utility
BUILD/CMD	Key to Disk Utility
CAT/CMD	Program Catalog List Utility
CHANGE/CMD	File Protect Command
COPY/CMD	File Copy Utility
FIXAPPLY/CMD	Patch Application Utility
FREE/CMD	Free Space Utility
KILL/CMD	File Delete Utility
LIST/CMD	Text File List Utility
MANUAL/CMD	Automatic Load Cancel
NAME/CMD	File Specification Utility
PUTIPL/CMD	Write IPL & Bootblock
REFORMAT/CMD	Disk File Reformation Utility

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: INT1500 2.2

DESCRIPTION: 1500/1550/2150 INTERRUPT STRUCTURE DIAGNOSTIC

PURPOSE: A - Corrects problems (bugs)

RELEASE MEDIA: Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette
TOTAL SIZE: 48 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: INT1500 2.1

EXECUTION SUPPORT:

    Software: DOS.H 2.7

    Hardware:
     Processor: 1500/1550/2150
     Minimum Size: 32K
     Disk: 15XX/14XX

    1500 Concurrent Job Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
System's Guide:	50374	44 Pages
Program Media:	20697	1 SS/SD Diskette
Program Media:	20809	1 SS/DD Diskette
Software:	20806	INT1500 2.2

DETAILED DESCRIPTION:

    The 1500 Interrupt Structure Diagnostic is a tool to be used in
either a manufacturing maintenance or quality assurance environment to
check out the integrity of the 1500 or 1550 system.

REVISIONS:

2.2

1. Modified to work on 1500/1550 processor with Firmware Rev. 31 or
earlier.

PROGRAM FILES RELEASED:

    INT1500/CMD   1500 Interrupt Command File
    INT1500/RFM   Release Form print file

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: MTE55 2.1

DESCRIPTION: Multi-Terminal Emulator Command Handler

PURPOSE: A - Corrects Problems (bugs)
                 C - Adds new features (Enhancements)

RELEASE MEDIA: Cassette
                 Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette
                 Double-Sided Double Density Diskette
TOTAL SIZE: 912 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MTE55 1.3

EXECUTION SUPPORT:

    Software: DOS.C 2.4.2
                   DOS.E/.G 2.6.2
                   DOS.D 2.7
                   PS 2.4/PS66 2.1
                   LIBSYS 2.2
                   ARC 1.7.1

    NOTE: MTE55 2.1 requires the following emulators. Previous
versions of these emulators are not compatible with MTE55 2.1.

    MTEIBM 2.1   MTEHASP 2.1   MTERUP 2.1
    MTECDC 2.1   MTEGRTS 2.1

    Hardware:
     Processor: 1150/1170/1800/3800/5000/5500/6000/6600
     Minimum Size: 24K
     Disk: 935X/936X/937X/938X/939X
     Commu: 9404/9481/1800 ICA
     Printer: Local/Servo
     Magnetic Tape: 7T - 556 BPI - (9557) 9553/9558
                    7T - 800 BPI - 9553/9558
                    9T - 800 BPI - 9551/9556
                    9T - 1600 BPI - 9581/9584
     Card Reader: 9504

5500/6600 Partition Supervisor Compatible:

    MTE55 requires a 24K partition when running under PS66 or under
PS on a 5500. MTE55 is supported in a PS version 2 environment only.
Use MTE version 2 to run under PS in a 16K partition on a 5500.

    MTE55 will not multi-volume while DOS.E 2.4 UTILITY/OVL is
present. There is a problem with the PREP$ command in UTILITY/OVL.

NOTE: 3800 Execution requires DOS.D 2.7 and ARC 1.7.1

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50356	98 Pages
Program Media:	20491	3 DMF Cassettes
Program Media:	20492	2 SS/SD Diskettes
Program Media:	40322	1 SS/DD Diskette
Program Media:	20887	1 DS/DD Diskette

DETAILED DESCRIPTION:

    Multi-Terminal Emulator version 2.1 of MTE55 is the command
handler. This module is used to load and interface with user
specified MTE emulators. Included in this package are the peripheral
device drivers, translate tables, sample parameter file and chain file
used to build the MTE55 relocatable library. For installation of this
release reference the MTE55 user's guide Chapter 2, System
Installation.

REVISIONS:

    1.   The SERVO-PRINTER drive would not function in MTE55/REL 1.3
         This has been fixed in this release.

    2.   MTE55 would cease to function after parsing the RUP TERMINAL-ID
         from the SYSPARMS file. This has been corrected.

    3.   MTE55, while reading cards from the card reader, would display a
         'device-not-ready' message instead of a 're-read card' message
         when a read-check occurred on the card reader. This has been
         fixed in this release.

    4.   MTE55 rel 1.3, while writing to disk, would go into a stop mode.
         This occurred while attempting to overflow to the next drive
         because of a no-space on current drive condition. This has been
         fixed in this release.

    5.   The print line length limit has been removed from the local
         printer drive module. The print line length is now controlled by
         the SYSPARM parameter PRINT-BUFFER.

    6.   Specifing a LINE-BUFF SIZE of greater than 768, when running
         HASP, would result in E8 INSTRUCTION ERRORS. MTE55 was not
         allocating enough space to hold all the buffers. This has been
         fixed in this release.

7. MTE55 would not allocate the correct number of pages for MTERUP.
    This problem caused MTE55 to be inoperative. This is fixed in
    this release.

8. MTE55 was not allocating enough pages to be used by MTEIBM for
    line buffers. This has been corrected with this release.

9. The Servo Printer would not issue a line feed after printing a
    single character on a printline. This has been corrected with
    this release.

10. Now, when running MTE55, if the LINE entry in SYSPARMS is set to
    an 1800 ICA, and the machine in use is not a 3800/1800, MTE55
    will request you to ABORT, IGNORE, or FIX the SYSPARMS entry.

11. MTE55 has been enhanced to identify the module by name if there
    is a module missing.

12. MTE55 used to display "SYSFAIL" for quite a number of error
    conditions and then go into a Breakpoint state. The "SYSFAIL"
    message has been changed to "MTE55 SYSTEM FAILURE" and the error
    that occurred will be documented with a secondary message. MTE55
    will jump to BOOT$ rather than go into a Breakpoint state. The
    secondary messages and their explanations follow.

    MTEERROR MSNG

        The MTEERROR module is missing or is unloadable. If this
        occurs the actual secondary message could not be displayed
        because MTEERROR is the module that displays these secondary
        error messages.

    <mod-name> ENCOUNTERED ILLEGAL INTERNAL COMMAND.
        An internal command (write to a card-reader) could not be
        honored for obvious reasons.

    <mod-name> CANNOT BE LOADED. NO MORE MEMORY SPACE.
        MTE55 ran out of dynamic memory space.

    <mod-name> DISCOVERED AN UNINITIALIZED FILE
        File has not been initialized by IOOPEN

    <mod-name> ENCOUNTERED NO CARRIRER FROM 3600 CONSOLE
        No carrier or a dropped carrier from the 3600 console in a PS
        environment.

    <mod-name> CONTAINS A BAD EXTERNAL REFERENCE
        The relocatable loader has detected a bad external reference
        while loading this module.

    <mod-name> CANNOT BE LOADED

        The relocatable loader has detected a sector content code
        error while loading this module, and therefore cannot go on
        loading.

    <mod-name> COULD NOT BE FOUND IN THE MTE55/REL FILE
        Module does not exist in MTE55/REL

    <file-name> FILE COULD NOT BE FOUND!
        If MTE55/REL, or user designated filename, cannot be opened,
        the name of that file is plugged in the message and then that
        message is displayed.

    ERROR! BOTH AUTOCAL AND AUTOANS ARE SPECIFIED
        Autocall and Autoanswer cannot both be set to YES.

    ERROR! MULTIPNT AND AUTOCAL/ANS ARE SPECIFIED
        Multipoint-id and (Autocall or Autoanswer) cannot both be
        set.

    ERROR! MULTIPNT AND TERMINAL-ID ARE SPECIFIED
        Multipoint-id and Terminal-id cannot both be set

    ERROR! MULTIPOINT AND DIAL-LINE ARE SPECIFIED
        Multipoint-id and a DIAL specification on the LINE entry
        cannot both be specified

    ABORTING - NO SYSTEM PARAMETERS
        SYSPARMS/TXT or user file specification could not be opened.

13. The SYSPARMS file will be verified for the following conditions;

    a. A TIMEOUT value of less than 3 SEC is invalid.
    b. A TIMEOUT value with an imbedded decimal point is invalid.
    c. Configuring TERMINAL-ID and MULTIPOINT is invalid.
    d. Configuring MULTIPOINT and a DIALUP line is invalid.
    e. A buffer size of less than 1 or greater than 255 is invalid
        except in the case of the LINE-BUFFER size.
        Here the maximum depends on the emulator that you are using.
        Please see the User Guide.
    f. AUTO-CALL and AUTO-ANSWER set to YES is invalid.
    g. MULTIPOINT set to YES, AUTO-CALL and AUTO-ANSWER must be set
        to NO. (See the individual Emulator User's Guides
        for details.)

14. A number of new SYSPARM parameters have been added. They are as
    follows;

    a. Number of SYN's to transmit.
    b. Transparency check, YES or NO.
    c. Re-execute the +TX command, YES or NO.
    d. WACK send limit.
    e. Ability to handle 'false starts' YES or NO.
        (See the individual Emulator User's guides for
        details).

15. In the future, if one should accidently type in 'MTE55 ;B", the
    system will no longer go into hardware DEBUG.

16. The problem of MTEIBM not following protocol when a +AB is
    entered, has been corrected. (MTE55 would send the EOT before
    terminating the block.)

17. The error message 'SYSPARMS OPTION IN ERROR - THIS MACHINE IS NOT
    A 3800/1800. ABORTING OPERATION' will be displayed when the LINE
    entry in SYSPARMS is set to an 1800 ICA, and the machine in use
    is not an 1800/3800. Previously it would permit one to ABORT,
    IGNORE or FIX the entry. Now it will ABORT the loading of MTE55
    ,display the above message, and return to DOS.

18. The problem with the "LOG...FULL" being displayed when the volume
    the PRINT files were on was full, has been fixed. In the past,
    even if the LOG file was on another drive, and the drive
    containing the print files became full, "LOG...FULL" would be
    displayed when in fact the drive the LOG file was on, had sectors
    available.

19. The problem of the +DI not dropping DTR until a +TX is entered
    has been corrected in this version. Previously upon entering the
    +TX after the +DI, DTR would drop but no communication could be
    effected because DTR was not high. Trying to clear the +TX with
    a +AB would hang the system.

20. MTE55 now permits the use of drives greater than 15. MTE55
    supports drives 0-30, (The same number as DOS).

21. Deleted the word "DATAPOINT'S" from the header of the EMULATOR
    SELECTION display.

22. Changed the WACK-XMIT-LIMIT used in the SYSPARMS, to require a minimum
    number of 1, (as the USER's Guide states), instead of the 15 it needed in
    the past.

23. Corrected the erroneous information message of RDR...MTEERROR MSNG, (or
    if running MTE55 1.3, RDR...SYS FAIL), when the message displayed should
    have read RDR...DB for ReaDeR Device Busy.

24. Corrected the routine labeled CPMM which under some conditions did not
    exit with FZ as it was supposed to. This caused the card reader module
    to fail when loaded and it may have caused other strange symptoms.

25. Modified the routine which parses file specifications to accept trailing
    blanks in each field of the file specification, if input by the user.
    (The file specs must still meet the requirements as stated in the DOS
    User's Guide.)

26. Corrected the way in which MTE55 loads the emulator from the relocatable
    library file specified in the command line. In the past, if the
    relocatable file existed on two different drives, it was possible for
    the wrong emulator to be loaded in (or some other strange symptoms could
    result)

27. The error message 'CONSOLE LOGGING IS NOT SUPPORTED UNDER CHAIN OR
    CHAINPLS' will be displayed when the commands +LON or +LOF are used
    while running under CHAIN or CHAINPLS. The message will be displayed,
    the CHAIN will be aborted and control will return to DOS.

28. The MTE55 User's Guide was updated to implement some corrections and
    clarifications.

PROGRAM FILES RELEASED:

File	Description
MTE55/CMD	Command file
MTE55/REL	Skeleton Relocatable file for line drivers, emulators, peripheral drivers and translate tables
MTEIO/REL	Relocatable peripheral drivers
MAKLIB55/CHN	Chain file to build MTE55/REL file
MTEXTAB/REL	Relocatable translate table
MTEPARMS/TXT	Sample systems parameter file (SYSPARMS)
MTE55/RFM	Program Release Form print rfm
ASCEBCXT/TXT	Translate table text file ASCII to EBCDIC
BCDEBCXT/TXT	Translate table text file BCD to EBCDIC
CRXT/TXT	Translate table text file IBM 029 keypunch to EBCDIC
EBCASCXT/TXT	Translate table text file EBCDIC to ASCII
EBCBCDXT/TXT	Translate table text file EBCDIC to BCD
HO26ASC/TXT	IBM 026 keypunch to ASCII
HO29ASC/TXT	IBM 029 keypunch to ASCII
HOLEBCXT/TXT	HOLERITH to EBCDIC
MTREDXT/TXT	User specified to EBCDIC
MTWRTXT/TXT	EBCDIC to user specified
UTO26BCD/TXT	UT200 IBM 026 keypunch to BCD
UTO29BCD/TXT	UT200 IBM 029 keypunch to BCD
UTBCDASC/TXT	UT200 BCD to ASCII
UTASCBCD/TXT	UT200 ASCII to BCD
UTBCDEBC/TXT	UT200 BCD to EBCDIC
UTEBCBCD/TXT	UT200 EBCDIC to BCD
VFUMODEL/TXT	Sample VFU table

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: MTECDC 2.1

DESCRIPTION: CDC UT200 Terminal Emulator for MTE55

PURPOSE: A - Corrects problems (bugs)

RELEASE MEDIA: Cassette
                Single-Sided Single-Density Diskette
                Single-Sided Double-Density Diskette
                Double-Sided Double-Density Diskette
TOTAL SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MTECDC 1.2

EXECUTION SUPPORT:

        Software: DOS.C 2.4.2
                        DOS.D 2.7
                        DOS.E/.G 2.6.2
                        LIBSYS 2.2
                        PS 2.4/PS66 2.1
                        ARC 1.7.1
                        MTE55 2.1

        Hardware:
        Processor: 1150/1170/1800/3800/5000/5500/6000/6600
        Minimum Size: 24K
        Disk: 935X/936X/937X/938X/939X
        Comm: 9404/9481/1800 ICA
        Printer: Local/Servo
        Magnetic Tape: 7T - 556 BPI - (9557) 9553/9558
                        7T - 800 BPI - 9553/9558
                        9T - 800 BPI - 9551/9556
                        9T - 1600 BPI - 9581/9584
        Card Reader: 9504

        5500/6600 Partition Supervisor Compatible:

        MTE55 requires a 24K partition when running under PS66 or under
PS on a 5500. MTE55 is supported in a PS version 2 environment only.
Use MTE version 2 to run under PS in a 16K partition on a 5500.

        NOTE: 3800 execution requires DOS.D 2.7 and ARC 1.7.1 .

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50358	Previously Released
Program Media:	20495	1 DMF Cassette
Program Media:	20496	1 SS/SD
Program Media:	40324	1 SS/DD
Program Media:	20883	1 DS/DD

DETAILED DESCRIPTION:

        MTECDC 2.1 is the CDC User Terminal 200 emulator package for
inclusion in MTE55/REL. This emulator, must be loaded using
MAKLIB55/CHN and runs as a member of the MTE55 2.1 command handler.

        To prevent having form feeds interspersed throughout printed
output (on a local printer) when a console message is received, a
patch can be applied. Please note that if the patch is applied it
will affect ALL emulators using the particular MTE55 command handler
wherein this patch is installed. To eliminate the form feed when the
printer driver is opened, apply the following fix:
        Run FIXREL on MTE55/REL with the program name
        of IOLPL and prgram address block of IOLPLP;
        at location 0153 change 014 to 015.
Refer to the MTECDC User's Guide for more information on this
situation.

REVISIONS:

1.   MTECDC was re-assembled to execute with MTE55 2.1.

2.   The MTECDC User's Guide was updated to implement some
        corrections and clarifications.

3.   MTECDC has been modified to correct the problem of losing
        data while the printer is offline. Before if the printer
        went offline, then one or more characters would be lost and
        would not appear on the printed output.

PROGRAM FILES RELEASED:

    MTECDC/RFM   Print file for release form

    MTECDCC/REL   Relocatable CDC emulator library
                    containing the following modules:

                    MTEUT200   UT200 BCD Emulator
                    MTEUT20A   UT200 ASCII Emulator
                    UT1800   1800 ICA line driver
                    UT200481   9481 Line Driver
                    UT200404   9404 Line Driver

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: MTEGRTS 2.1

DESCRIPTION: HONEYWELL G-115 Terminal Emulator for MTE55

PURPOSE: A - Corrects Problems (bugs)
                C - Adds new Features

RELEASE MEDIA: Cassette
                Single-Sided Single-Density Diskette
                Single-Sided Double-Density Diskette
                Double-Sided Double-Density Diskette
TOTAL SECTOR SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MTEGRTS 1.3

EXECUTION SUPPORT:

        Software: DOS.C 2.4.2
                        DOS.E/.G 2.6
                        DOS.D 2.7
                        PS 2.4/PS66 2.1
                        ARC 1.7
                        LIBSYS 2.2
                        MTE55 2.1

        Hardware:
        Processor: 1150/1170/1800/3800/5000/5500/6000/6600
        Minimum Size: 24K
        Disk: 935X/936X/937X/938X/939X
        Comm: 9404/9481/1800 ICA
        Printer: Local/ Servo
        Magnetic Tape: 7T - 556 BPI - (9557) 9553/9558
                        7T - 800 BPI - 9553/9558
                        9T - 800 BPI - 9551/9556
                        9T - 1600 BPI - 9581/9584
        Card Reader: 9504

        Note: 3800 execution requires DOS.D 2.7 and ARC 1.7

        5500/6600 Partion Supervisor Compatible:

        MTE55 requires a 24K partition when running under PS66 or under
PS on a 5500. MTE55 is supported in a PS version 2 environment only.
Use MTE version 2 to run under PS in a 16K partition on a 5500.

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50359	38 Pages
Program Media:	20497	1 DMF Cassette
Program Media:	20498	1 SS/SD
Program Media:	40325	1 SS/DD
Program Media	20884	1 DS/DD

DETAILED DESCRIPTION:

        The Honeywell G-115 remote terminal emulator is designed to run
on a Datapoint 5500 type processor as part of the MULTI-TERMINAL
Emulator MTE55 2.1 Software package. The emulator is compatible with
the GRTS remote computer line discipline. For installation of this
release, reference the MTEGRTS user's guide Chapter 2.

(NOTE: must be MTE55 version 1.4.C or greater.)

REVISIONS:

Added the enhancement of the NUMBER-OF-SYNCS transmitted to be
controlled by the SYSPRAMS.

Corrected the EMULATOR to prevent it from accepting a +TX before a +TS
is entered.

Corrected the EMULATOR to show a COMPRESSION-ERROR when a character
less than 40, or greater than 140 is received that cannot be
compressed.

Corrected the 9481 LINE DRIVER to print all blocks of data that are
received. This problem occurred when GRTS would receive an ETX as the
LRC, which would be calculated incorrectly by GRTS, and the block it
terminated would not be sent to the printer.

The MTEGRTS User's Guide was updated to implement some corrections and
clarifications.

PROGRAM FILES RELEASED:

    MTEGRTS/RFM   Program Release form print file
    MTEGRTSC/REL   A relocatable library file containing the following
                    modules:

                    MTEGRTS   G-115 Terminal Emulator
                    GRTS9404   G-115 9404 line driver
                    GRTS9481   G-115 9481 line driver
                    GRTS1800   G-115 1800 ICA line driver

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: MTEHASP 2.1

DESCRIPTION: IBM HASP-RES Workstation Emulator for MTE55

PURPOSE: A - Corrects Problems
                 C - Adds New Features (enhancements)

RELEASE MEDIA: Cassette
                 Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette
                 Double-Sided Double Density Diskette
TOTAL SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MTEHASP 1.3

EXECUTION SUPPORT:

        Software: DOS.C 2.4.2
                       DOS.D 2.7
                       DOS.E/.G 2.6.2
                       PS 2.4/PS66 2.1
                       LIBSYS 2.2
                       ARC 1.7.1
                       MTE55 2.1

        Hardware:
        Processor: 1150/1170/1800/3800/5000/5500/6000/6600
        Minimum Size: 24K
        Disk: 935X/936X/937X/938X/939X
        Comm: 9404/9481/1800 ICA
        Printer: Local/Servo
        Magnetic Tape: 7T - 556 BPI - (9557) 9553/9558
                       7T - 800 BPI - 9553/9558
                       9T - 800 BPI - 9551/9556
                       9T - 1600 BPI - 9581/9584
        Card Reader: 9504

5500/6600 Partition Supervisor Compatible:

    MTE55 requires a 24K partition when running under PS66 or under
PS on a 5500. MTE55 is supported in a PS version 2 environment only.
Use MTE version 2 to run under PS in a 16K partition on a 5500.

    NOTE: 3800 Execution requires DOS.D 2.7 and ARC 1.7.1

RELEASE ITEMS: MODEL CODE   RELEASE
    User's Guide: 50375   51 Pages
    Program Media: 20511   1 DMF Cassette
    Program Media: 20512   1 SS/SD Diskette
    Program Media: 40343   1 SS/DD Diskette
    Program Media: 20886   1 DS/DD Diskette

DETAILED DESCRIPTION:

    MTEHASP 2.1 is the HASP and Resident Workstation emulator package
for inclusion in MTE55/REL. This released REL file must be loaded
using MAKLIB55/CHN and run as a member of the MTE55 2.1 command
handler.

REVISIONS:

    1. If MTEHASP got a request to initiate print function while it was
        printing, it would ignore this request. This problem showed
        itself where on a high speed parallel link short messages would
        bypass the longer ones. This problem has been corrected with this
        release.

    2. There really wasn't a quick way to find out what release a
        particular module was at. Starting with this release of MTEHASP
        there is a fast way of doing that. Simply use the DUMP utility to
        look at the first locations of the modules object code. It will
        tell you the modules name and the release level it is at.

    3. The MTEHASP 9481 line driver would put out to many pad characters
        when leased line was specified in the SYSPARMs file. This has
        been corrected with this release.

    4. The NUMBER-OF-SYNCS can now be controlled by setting the desired
        value in the SYSPARMS entry of NUMBER-OF-SYNCS.

    5. MTEHASP has been corrected to properly display a message from the
        MAINFRAME that exceeds the use of a single line. Now when the line
        wraps around, it will not drop a character.

    6. The line drivers have been modified to correctly handle the case where
        a WABT message is NAKed by the mainframe. Now, the line drivers will
        re-transmit the correct WABT message.

---

    7. MTEHASP has been modified to increment the RDR counter display after
        transmitting the SIGNON and SIGNOFF records.

    8. The 1800 ICA line driver has been modified to perform the auto-call
        function correctly. Before, the ACU would not dial the number even if
        AUTO-CALL was set to YES in the SYSPARMS file.

    9. The MTEHASP User's Guide was updated to implement some corrections and
        clarifications.

PROGRAM FILES RELEASED:

    MTEHASP/RFM   Print File for release form

    MTEHASPC/REL   Relocatable HASP emulator library containing the
                    following modules:

                    MTEHASP   HASP Emulator
                    ML481   9481 Line Driver
                    ML404   9404 Line Driver
                    ML1800   1800 ICA Line Driver

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: MTEIBM 2.1

DESCRIPTION: IBM 2780/3780/2770/3770
                 Terminal Emulator for MTE55

PURPOSE: A - Corrects problems (bugs)

RELEASE MEDIA: Cassette
                 Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette
                 Double-Sided Double Density Diskette
TOTAL SIZE: 168 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MTEIBM 1.3

EXECUTION SUPPORT:

        Software:
                       DOS.C 2.4.2
                       DOS.D 2.7
                       DOS.E/.G 2.6.2
                       PS 2.4/PS66 2.1
                       LIBSYS 2.2
                       ARC 1.7.1
                       MTE55 2.1

        Hardware:
        Processor: 1150/1170/1800/3800/5000/5500/6000/6600
        Minimum Size: 24K
        Disk: 935X/936X/937X/938X/939X
        Comm: 9404/9481/1800 ICA
        Printer: Local/Servo
        Magnetic Tape: 7T - 556 BPI - (9557) 9553/9558
                       7T - 800 BPI - 9553/9558
                       9T - 800 BPI - 9551/9556
                       9T - 1600 BPI - 9581/9584
        Card Reader: 9504

    5500/6600 Partition Supervisor Compatible:

    MTE55 requires a 24K partition when running under PS66 or under
PS on a 5500. MTE55 is supported in a PS version 2 environment only.
Use MTE version 2 to run under PS in a 16K partition on a 5500.

RELEASE ITEMS: MODEL CODE   RELEASE
      User's Guide: 50357   61 Pages
      Program Media: 20493   1 DMF Cassette
      Program Media: 20494   1 SS/SD Diskette
      Program Media: 40323   1 SS/DD Diskette
      Program Media: 20885   1 DS/DD Diskette

DETAILED DESCRIPTION:

      MTEIBM 2.1 is the IBM 2780, 3780, 2770, 3770 emulator package for
inclusion in MTE55/REL. These emulators must be loaded using
MAKLIB55/CHN and run as a member of the MTE55 2.1 command handler.

REVISIONS:

1.   Corrected BSC1800 LINE DRIVER so that it will receive a
     transparent transmission correctly.

2.   Corrected all LINE DRIVERS so that it will not open a file when a
     transmission without any data is received from the mainframe.

3.   Corrected the LINE DRIVERS BSC481 and BSC1800 to not transmit an
     extraneous character in the last transmission block.

4.   Corrected ALL LINE DRIVERS to calculate the END-OF-BUFFER
     correctly. This prevents the overlaying of the IRS character,
     (OR ANY CHARACTER), when a 512 character block is received. (In
     MTE3780.)

5.   Corrected the MTE3780 EMULATOR to prevent it from locking up the
     receiving terminal while it is transferring data to a SERVO or
     FREEDOM 80CPS printer. This situation occurred when the
     mainframe sent a LINE ABORT sequence to the receiving terminal,
     which the receiving terminal was not able to handle properly.

6.   Corrected all LINE DRIVERS to answer a line bid sequence
     containing a TERMINAL ID with the proper response of its'
     TERMINAL ID.

7.   Corrected the BSC1800 and BSC481 LINE DRIVERS to time how long
     they will try to call a number when using an ACU. Previously the
     DRIVERS stayed in a loop until they got DSR, (or got an ABT from
     the ACU) now they will time out after 60 seconds and retry the
     call as often as RETRY-LIMIT in SYSPARMS is set at.

8.   Corrected the BSC404 LINE DRIVER to not send an extraneous
     character in the last transmission block. Previously this
     problem was corrected in the BSC481 LINE DRIVER but was omitted
     in the BSC404 LINE DRIVER. (Problem #2 in the corrections for
     1.4.B above.)

9.   The error caused by depressing the DISPLAY KEY while transmitting
     a file, (Sending an extraneous character and record in the last
     block.), has been corrected in the LINE DRIVERS BSC404 and

     BSC481. It was caused by the same error for 1.4.C #5, above.

10. Added the enhancement of allowing the NUMBER-OF-SYNCS sent to be
     controlled in the SYSPARMS.

11. Corrected the EMULATORS, MTE3780 and MTE2780, to not lock up the
     keyboard or return to DOS when a "RDR....FE", (ReaDeR FORMAT
     ERROR), occurred.

12. Added the enhancement of allowing SYSPARMS to control whether or
     not a TRANSPARENCY-CHECK is made by the EMULATORS. This option is
     set in TRANSPRNCY-CHK (YES or NO).

13. Added the enhancement of allowing SYSPARMS to control whether or
     not FALSE-STARTS are premitted in the LINE DRIVERS. (When a
     transmission of an ENQ, ACK0, EOT, takes place.)

14. Added the enhancement of displaying to the operator a 'DISC'
     message on the screen in the TX/RX STATUS, if the +TX, +TS or +RX
     command is entered and MTE55 is waiting for DSR.

15. Added the enhancement of allowing SYSPARMS to control whether or
     not to RE-EXECUTE the TRANSMIT COMMAND when communications has
     been interupted. This option is set in RE-EXECUTE-TX (YES or
     NO).

16. Added the enhancement of allowing SYSPARMS to set the limit on
     the number of WACKS that can be transmitted by a receiving
     terminal. This option set by WACK-XMIT-LIMIT (n = some number,
     NO = no limit).

17. Added the enhancement of the +TS command opening the RDR file
     before bidding for the line, in order to speed up the time it
     takes for the EMULATORS to ready the SIGNON RECORD for
     transmission.

18. Corrected the LINE DRIVERS, to not answer the phone too quickly,
     once RING is indicated. A one second delay has been incorporated
     to avoid the phone company returning a busy indication if DTR is
     brought up too soon.

19. Corrected the problem of the horizontal tabbing function not
     working properly, in MTE3780.

20. MTE55 will not terminate the transmission now if AUTO-EOF is set
     to yes and the EOF is in the first record of the file to be
     transmitted.

21. Corrected problem with MTE3780 transmitting a null block
     consisting of STX ETX. MTE3780 will now put the ETX on the last
     text block transmitted.

22. Corrected the LINE DRIVERS BSC404, BSC481 and BSC1800 to not hang
     MTE55 when an EOT is received from the HOST in response to a W K
     from the DATAPOINT emulator.

23. Corrected the 1800 LINE DRIVER to properly wait for DLO, (data
     line on), from the ACU when dialing a phone number. In the past
     it only waited for PND, (present next digit) , then went on with
     the dialing process.

24. Corrected the 9404, 1800 and 9481 LINE DRIVERS in order that they
     will drop DTR when running 2400 baud using a long CTS delay.
     There was a timing problem in that MTEIBM could not send out the
     DLE EOT and drop DTR before the background program reloaded the
     line driver.

25. Corrected the LINE DRIVERS, to accept a SOH and treat it the same
     as a STX.

26. Corrected the EMULATORS to properly handle a FALSE START from the
     HOST when a +TS had been issued as the first command on the
     DATAPOINT equipment.

27. Changed entry #19 above in 1.4.C back to the +TS bidding for the
     line first then opening the RDR file once the line was
     established. This enhancement was deleted because the system
     would appear to hang when the console was assigned as the RDR
     device. The operator was then unable to enter a +AB or anything
     else for that matter, until the line numbers would appear across
     the bottom of the screen, once the line bidding had completed.

28. Corrected the way the blank compression count was calculated in
     MTE3780.

29. Corrected the treatment of the IRS character in MTE3780. There
     was a problem if neither the IRS or NL characters were detected
     by the time the print buffer limit was reached.

30. The MTEIBM User's Guide was updated to implement some corrections
     and clarifications.

PROGRAM FILES RELEASED:

      MTEIBM/RFM   Print file for program release form
      MTEIBMC/REL   Relocatable IBM emulator library containing the
                    following modules:

                    MTE2780   IBM 2780 Emulator
                    MTE3780   IBM 3780/3770/2770 Emulator
                    BSC1800   1800 ICA Line Driver
                    BSC481   9481 Line Driver
                    BSC404   9404 Line Driver

DATAPOINT SOFTWARE PRODUCTS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

SYMBOL/VER.REV: MTERUP 2.1

DESCRIPTION: Remote User Program

PURPOSE: A - Corrects problems (bugs)
                 C-Adds new features (enhancements)

RELEASE MEDIA: Cassette
                 Single-Sided Single-Density Diskette
                 Single-Sided Double-Density Diskette
                 Double-Sided Double-Density Diskette
TOTAL SECTOR SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MTERUP 1.3

EXECUTION SUPPORT:

      Software: DOS.C 2.4.2
                       DOS.E/.G 2.6
                       DOS.D 2.7
                       LIBSYS 2.2
                       PS 2.4/PS66 2.1
                       ARC 1.7
                       MTE55 2.1

      Hardware:
      Processor: 1150/1170/1800/5500/6000/6600
      Minimum Size: 24K
      Disk: 935X/936X/937X/938X/939X
      Comm: 9481/ICA
      Printer: Local/Servo
      Magnetic Tape: 7T - 556 BPI - (9557) 9553/9558
                     7T - 800 BPI - 9553/9558
                     9T - 800 BPI - 9551/9556
                     9T - 1600 BPI - 9581/9584
      Card Reader: 9504

      5500/6600 Partition Supervisor Compatible:

      MTE55 requires a 24K partition when running under PS66 or under
PS on a 5500. MTE55 is supported in a PS version 2 environment only.
Use MTE version 2 to run under PS in a 16K partition on a 5500.

RELEASE ITEMS: MODEL CODE   RELEASE
    User's Guide: 50435   65 Pages
    Program Media: 20589   1 DMF Cassette
    Program Media: 20590   1 SS/SD
    Program Media: 40455   1 SS/DD
    Program Media: 20882   1 DS/DD

DETAILED DESCRIPTION:

    MTERUP 2.1 is the Datapoint Remote User Program package for
inclusion in MTE55/REL. This program must be loaded using
MAKLIB55/CHN and runs as member of the MTE55 2.1 command handler.

REVISIONS:

1. This emulatorhas been re-assembled to work with version 1.4 of the
    command handler.

2. MTERUP will now respond properly with a UA message when a
    disconnect is received from DASP. (SPR 8006)

3. MTERUP will now perform the next CHAIN command if running under
    CHAIN when a disconnect is received from DASP. (SPR 8398)

4. The MTERUP User's Guide was updated to implement some corrections
    and clarifications.

PROGRAM FILES RELEASED:

    MTERUP/RFM   Print file for release form
    MTERUPC/REL   Relocatable RUP library containing
                    the following modules:

        MTERUP   Remote User Program REL file
        DDLC66   9481 RUP Line Driver
        DDLC18   1800 ICA RUP Line Driver

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: T320DG18 1.2

DESCRIPTION: 9310/9320 Disk Subsystem Diagnostic

PURPOSE: A - Corrects problems (bugs)

RELEASE MEDIA: Single-Sided Double Density Diskette
TOTAL SIZE: 144 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: T320DG18 1.1

EXECUTION SUPPORT:

    Software: DOS.G 2.6.2

    Hardware:
      Processor: 1800
      Minimum Size: 64K
      Disk: 1842/9310/9320
      Printer: 9236 Printer (Optional)

RELEASE ITEMS: MODEL CODE   RELEASE
    User's Guide: 50491   Previously Released
    Program Media: 40422   1 SS/DD Diskette

DETAILED DESCRIPTION:

    T320DG18 is a diagnostic for the 9310/9320 Disk Subsystems. It
requires an 1800 processor and a floppy diskette subsystem. The
program resides on floppy diskette and uses DOS.G 2.6. T320DG18 has an
executive to allow the operator to vary certain optional parameters
and make specific requests. The program has a number of fixed tests,
an interpreter which allows some operator test generation, and a
maintenance mode group of special tests.

REVISIONS:

*** 1.2 ***

1. Corrected bug which caused compatibility problems when included in
    the DIAG1800 SYSTEM DIAGNOSTIC.

2. Changed "return to DOS" entry points for future system
    compatibility.

LIMITATIONS:

1. There is no "header information" displayed at program
    initialization.

2. There are no instructions on the menu for the key conventions
    used.
    The key conventions are: KBD key to abort a test

                             DSP key to pause a test

                             ENTER key to continue from halt on error

3. The following tests as displayed on the test menu need correction
    as follows:
    Test 150 - WRITE ALL SECTORS
    (applies to surface 0 only)
    Test 151 - WRITE TO ALL SECTORS & CHECK DATA
    (applies to surface 0 only)
    Test 152 - EXERCISE SECTOR ADDRESS COUNTER
    (applies to surface 0 only)
    Test 153 - WRITE/VERIFY ALL SECTORS
    (applies to surface 0 only)
    Test 200 - SEEK EACH TRACK
    (applies to surface 0 only)
    Test 201 - TEST SEEK COUNTER
    (applies to surface 0 only)

4. There is no "OFFLINE ERROR" message.

5. There is no "WRITE PROTECT" message.

6. There is no indication of program activity while a test is running
    in the interpreter mode.

7. The "THE TEST HAS ABORTED" message is misleading, the test(s) will
    continue to try to execute as long as multiple passes are
    selected.

8. In the interpreter mode the operator is not given any parameters
    for track or sector.

    PROGRAM FILES RELEASED:

    T320DG18/RFM   Program Release Form print file
    T320DG18/CMD   Command Object File

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: TMFC1550 1.1

DESCRIPTION: 1550 Multifunction Communications Board Diagnostic

PURPOSE: D - New software package

RELEASE MEDIA: Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette

TOTAL SIZE: 72 sectors

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

    Software: DOS.H 2.7

    Hardware:
      Processor: 1550 with model 10-3257 processor board and
                     ROM31 Firmware
      Minimum Size: 64K
      Disk: 1401/1403/1404
      Comm: 1550 MFC Board option.

    1500 Concurrent Job Compatible: No

RELEASE ITEMS: MODEL CODE   RELEASE
    User's Guide: 50695   52 Pages
    Program Media: 20697   1 SS/SD Diskette
    Program Media: 20809   1 SS/DD Diskette
    Software: 20875   TMFC1550 1.1

(NOTE: When ordering please include model code for software and
model code for desired media.)

DETAILED DESCRIPTION:

    TMFC1550 is designed to test the Multifunction Communications
Board which is an option that can be installed in 1550 processors with
model 10-3257 processor boards and ROM31 firmware. An external
loopback plug is required for normal testing, but provisions have been
made to do partial testing if a loopback plug is not available.

PROGRAM FILES RELEASED:

    TMFC1550/CMD   Command file
    TMFC1550/RFM   Release Form print file

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

SYSTEMS RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: TST8600 1.1

DESCRIPTION: 8600 Processor Diagnostic

PURPOSE: D - New software package

RELEASE MEDIA: Cassette
TOTAL SIZE: 240 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

      Software: DOS.D 2.7
                     ARC 1.7

      Hardware:
       Processor: 8600
       Minimum Size: 120K
       Arc: DOS Arc Net Support

RELEASE ITEMS: MODEL CODE   RELEASE

      User's Guide: 50720   18 Pages
      Program Media: 20864   1 DMF Cassette

DETAILED DESCRIPTION:

     TST8600 consists of 4 separately loadable diagnostics that must
run under DOS. TST8600A/CMD does functional verification on the 8600
user mode instruction set whereas TST8600B/CMD has the same purpose
for system instructions. TST8600C/CMD has individually selectable
tests to loopback keyboard key characters to the display, and test the
display attributes. TST8600D/CMD handles loopback tests for the MPCA
ports and the terminal(s).

LIMITATIONS:

1. There is no provision for exiting one test to go to another
without rebooting the system.

PROGRAM FILES RELEASED:

      TST8600A/CMD   User mode instruction tests
      TST8600B/CMD   8600 system mode instruction tests
      TST8600C/CMD   8600 keyboard/display tests
      TST8600D/CMD   8600 MPCA/terminal tests
      TST8600/RFM   Program Release Form print file

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: TSTUBE15 1.1

DESCRIPTION: DATASHARE SYSTEM DIAGNOSTIC FOR 1500

PURPOSE: D - New software package

RELEASE MEDIA: Single-Sided Single Density Diskette
                 Single-Sided Double Density Diskette

TOTAL SIZE: 96 SECTORS

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

      Software: DOS.H 2.7

      Hardware:
       Processor: 1500,1550
       Minimum Size: 32K
       Disk: 9320/1542/1543/1401/1402/1403/1404
       Printer: Serial
       Comm: Four Port Option
       Other: 9483
                     9408 Modem
                     Up to 16 3601 or 8200 terminals

RELEASE ITEMS: MODEL CODE   RELEASE
      User's Guide: 50600   23 Pages
      Program Media: 20697   1 SS/SD Diskette
      Program Media: 20809   1 SS/DD Diskette
      Software: 20782   TSTUBE15 1.1

(NOTE: When ordering please include model code for software and
model code for desired media.)

DETAILED DESCRIPTION:

     TSTUBE15 is a diagnostic program for 1500 Datashare system
supporting Datapoint Datastations. It will test systems with either
3601 or 8200 type terminals, including systems which use both types.
Important features include the ability to support 9408 Answer Modems,
Serial printers connected to remote terminals, and display or set the
transmit baud rates of all ports. The downline load features of an
8200 terminal are also supported.

LIMITATIONS:

1.   If a remote terminal (operating from a modem) has control of the
     program and the phone connection is lost, there is a chance that
     the program may be lost, depending on the task running when the
     connection is lost.

2.   At least one terminal must be present and on-line on one of the
     9320 ports for the program to proceed to the main menu.

PROGRAM FILES RELEASED:

      TSTUBE15/CMD   Command file
      TSTUBE15/RFM   Release Form print file

DATAPOINT DISTRIBUTED SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

The software item documented on this form is the property of Datapoint
Corporation and may be used or transferred only pursuant to the terms
of a license agreement between Datapoint and the user.

SYMBOL/VER.REV: TSTUBE18 1.1

DESCRIPTION: 9320 Datashare System Diagnostic

PURPOSE: D - New software package

RELEASE MEDIA: Single-Sided Double Density Diskette
TOTAL SIZE: 96 SECTORS

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

        Software: DOS.G 2.6.2
                        DOS.D 2.7
                        ARC 1.7

        Hardware:
         Processor: 1800
         Minimum Size: 32K
         Disk: 9320/1842/1411/1412/1413
         Printer: Serial
         Comm: Four Port Option
         Other: 9483
                        9408 Modem
                        Up to 16 3601 or 8200 terminals

        5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS: MODEL CODE   RELEASE
        User's Guide: 50593   23 Pages
        Program Media: 40441   1 SS/DD Diskette

DETAILED DESCRIPTION:

     TSTUBE18 is a diagnostic program for 1800 Datashare System
supporting Datapoint Datastations. It will test systems with either
3601 or 8200 type terminals, including systems which use both types.
Important features include the ability to support 9408 Answer Modems,
Serial Printers connected to remote terminals, and display or set the
transmit baud rates of all ports. The downline load features of an
8200 terminal are also supported.

LIMITATIONS:

1. At least one terminal must be present and on-line on one of the
    9320 ports for the program to proceed to the main menu.

PROGRAM FILES RELEASED:

    TSTUBE18/CMD   Command object file
    TSTUBE18/RFM   Release Form print file