



SOFTWARE RELEASE SUMMARIES

February - March 1982

DATAPOINT CORPORATION
SOFTWARE RELEASE FORMS

Covering the period from: 2/1/82 to 3/31/82

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DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

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SYMBOL/VER.REV: ACMLU 2.1

DESCRIPTION: ARC SDLC 3274 Emulator/SNA Batch Unit Emulator

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

RELEASE MEDIA: Cassette
TOTAL SIZE: 192 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: ACMLU 1.1

EXECUTION SUPPORT:

Software: DOS.D 2.7
ARC 1.7

Hardware:
Processor: 6000/6600
Minimum Size: 120K
Disk: 935X/936X/937X/938X/939X
Printer: Local (optional)
RIM: 9483 if 6500 is used
Comm Adapter: 9481

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50686	56 Pages
Program Media:	20853	1 DMF Cassette

DETAILED DESCRIPTION:

ARC SNA/SDLC 3274 Emulation and ARC SNA/SDLC Multiple Logical Unit Remote Batch Unit Emulation.

REVISIONS:

** 2.1 **

1. Erase/Write alternate command handler added
2. PT order corrected

ACMLU 2.1 page 2

ARC 1.7.1 page 1

PROGRAM FILES RELEASED:

ACMLU/RFM	Release Form print file
ACMLU/CMD	Command file
DSMLU/TXT	Sample Databus source program

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PROGRAM RELEASE FORM

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SYMBOL/VER.REV: ARC 1.7.1

DESCRIPTION: Attached Resource Computer System

PURPOSE: C - Corrects Problems (bugs)

RELEASE MEDIA: Cassette
Single-Sided Single Density Diskette
Single-Sided Double Density Diskette
Double-Sided Double Density Diskette
TOTAL SIZE: 480 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: ARC 1.7

FILE PROCESSOR

EXECUTION SUPPORT:

Software: DOS.D 2.7

Hardware: 1800/5500/6600
Minimum Size: 48K
Disk: 932X/935X/937X/939X
Comm: 9483 RIM

5500/6600 Partition Supervisor Compatible: No

APPLICATIONS PROCESSOR

EXECUTION SUPPORT:

Software: DOS.C 2.4.1/LGOPROG 1.1 (1150/1170 only)
None (all other)

Hardware:
Processor: 1150/1170/1800/3800/5500/6000/6600/8600
Minimum Size: 24K
Comm: 9483 RIM

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50299	Previously Released
Program Media:	9801	1 DMF Cassette
Program Media:	20464	1 SS/SD Diskette
Program Media:	9801	1 SS/DD Diskette
Program Media:	9801	1 DS/DD Diskette

DETAILED DESCRIPTION:

ARC makes it possible to construct a highly flexible, extremely powerful dispersed multiprocessing system using Datapoint's Advanced Business Processor series of computers. Anywhere from two to hundreds of processors may be incorporated, interconnected via an advanced new interprocessor data distribution subsystem. Most user programs, even those written in Assembler Language, will need no modifications to run under ARC.

ARC's use of the KEYBOARD and DISPLAY key lights on processors so equipped can turn off the cursor, which may affect applications software which performs disk operations under a "live keyboard". A system call is available to enable or disable this facility. Contact a systems engineer for further details.

Datapoint 1150, 1170, 3800 and 8200 series processors are supported only as Applications Processors. See the User's Guide for more information.

REVISIONS:

** 1.2 **

The ARC/FP monitor has several new commands. These commands control an option to read a few sectors ahead to possibly improve response times during sequential disk reads. The new commands include:

```
ENABLE PREREADS ON ALL VOLUMES
ENABLE PREREADS ON <volid>
DISABLE PREREADS ON ALL VOLUMES
DISABLE PREREADS ON <volid>
```

New features and capabilities include:

1. QUEUED WRITES. A new system call permits writing a sector without having to wait for the write to finish before return. Set up just as for a normal DW\$, but instead of CALL DW\$, do a LL 8, SC. Verification, if required, must be performed later as a separate operation.

** 1.3 **

1. The 9390 disk is supported both as local volumes at an ARC/AP as well as remote volumes at an ARC/FP. Any type of disk (supported by DOS.D) may be mixed within the system, as long as types are not mixed at any single processor. Use of the 9390 series disk requires DOS.D 2.5 or above.
2. Up to thirty-one logical volumes (0-30) may be mounted by a single applications processor. This feature is usable only with DOS.D 2.6 or later.
3. Some occurrences of hardware memory parity errors at ARC/FP are no longer fatal. Recoverable errors are counted as either hard (verifiable) or temporary if they appear to be transient or pattern-sensitive.

** 1.4 **

1. DOS FUNCTION 5 now enqueues only the disk requested, and not all mounted volumes as it did previously. Note that this implies (see the ARC User's Guide for details) that only one volume may be requested at a time via this DOS FUNCTION.
2. New operator commands make it possible to make small adjustments in the wall time clock at a File Processor without taking ARC/FP down. The commands work by increasing or decreasing the speed of the wall time clock by 10% until the desired adjustment has been achieved. In this fashion, time is spared the indignity of discontinuities and backwards motion, which in turn reduces the impact of time adjustment on programs which may rely upon, for example, the inexorable and regular forward motion of time. The commands to adjust the clock are:

```
ADJUST CLOCK AHEAD n MINUTE(S)
ADJUST CLOCK BACK n MINUTE(S)
```

The commands permit an adjustment of from zero to nine minutes per command. Multiple time adjustment commands are not permitted, but may only be issued when any preceding adjustment has completed.

3. ARC now supports two different access modes to remote disk volumes (those located at an ARC/FP). The first access mode is READ/WRITE, which operates as previously. The new access mode is READ ONLY. The access mode is determined by which of two codewords each user of a volume specifies when the volume is mounted. Any given user name can have either or both access modes. If both codewords for a given user name are identical, READ/WRITE mode takes precedence.
4. ARCID has been changed to allow modification of both READ/WRITE, and READ ONLY mode codewords. Upon selection of a volume, the current codewords mode is displayed at the top of the screen. To

select the alternate codeword mode, enter a "-" to the ARCID command prompt.

** 1.6 **

1. AUTOCLR has been corrected to not destroy the read-only codeword sector in ARCCODE/TXT.
2. The error which caused the lengths of months following February in a leap year to be computed incorrectly has been fixed.
3. Some internal algorithms have been strengthened for added protection against inadvertent file naming conflicts.
4. Queued writes now return a drive offline status properly if directed to a volume mounted with a read-only codeword.

** 1.7 **

1. Attempting to read the IPL sector from a remote volume results in a Drive offline being returned. This permits easier checking for whether a volume is local or remote.
2. The clock on the FP console may now be adjusted up to 255 minutes ahead or back, instead of 0-9 minutes as previously.
3. A new command is available to prevent unauthorized use of production volumes through surreptitious mounting. The format of the command is:

```
DISABLE MOUNTS OF <volser>
ENABLE MOUNTS OF <volser>
DISABLE MOUNTS OF ALL VOLUMES
ENABLE MOUNTS OF ALL VOLUMES
```

Mount-disabled status for a volume is indicated on the FP console by a small letter "m" with a bar over it.

4. The order of the READ/WRITE counter volumes on the FP console has been reversed to allow more space for the flags as mentioned in (3) above (usually more reads than writes are done).
5. The 935X series (2.5 MB cartridge) disks are now supported at ARC File Processors. Support for this feature requires DOS.D 2.7.
6. The 8600 processor is now supported. DOS.D 2.7 is required for the 8600 processor.
7. More LRU list space is now available on 256K processors.
8. Auto-restart via a tape cassette in the front deck is supported. A file called ARCIDENT/TXT is constructed using the DOS BUILD utility. The file contains a single, 24-byte record consisting of the initial volume name, user name, and codeword (in that sequence). The file must not be space compressed. It is then

written to a tape cassette using the DOS MOUNT utility (directory format - DMF) and placed in the front deck, from where it will be accessed during down-line-loading. The feature requires a processor with tape cassette decks, either a 5500 or a 6600. Auto-restart for processors without cassettes requires a local hard disk, such as the 9350.

9. A new system call (system call nine) is now available. The system call returns a pointer to a memory location which defines the "packet system code" sent on packets transmitted via the Interprocessor Bus. All packets sent and received by the LAM system call incorporate this code. The new system call makes it possible to use the LAM system call to communicate with devices other than strictly ARC File Processors. The pointer to the memory location is returned in the processor's HL registers. If changed, the value must be saved and restored before performing any operation which will cause ARC to transmit or receive data via the Interprocessor Bus, or communications failures will occur. Packet system code 0-0177 octal are reserved for Datapoint use, while codes 0200-0377 octal are available for non-Datapoint use. A given application or other systems should use only a single packet system code. Further information is available upon request.
10. Soft disk error counts on a per-spindle basis are kept and it will be possible to examine these via a future revision of the ARCSTAT program.
11. Seek overlaps and rotational latency are enable for 937X disks.

** 1.7.1 **

1. File processor support of 935X disks fixed.
2. Suppression of non-ARC packets corrected.
3. FP request servicing problem that could cause sporadic "squawks" from APs has been corrected.
4. Logic for Eastern European version added.
5. Problem of unrecognized console commands corrected.

NOTE: An ARC downline-loaded-bootstrap will NOT boot onto a volume at an ARC/FP running a different release. Likewise, an earlier ARC bootstrap (or MOUNT command) will not allow mounting a volume at a newer release ARC File Processor. Therefore, ALL ARC system operating software should be upgraded to current level together. ARC 1.7.1 modules ARE totally compatible with ARC 1.7 but not any earlier releases.

Errors will also occur if the new MOUNT command is used with an older version of the ARC resident (which is part of the down-line-loaded bootstrap program.) All ARC software, again, should be upgraded to current level together. Use of DOS.D 2.7 is recommended.

PROGRAM FILES RELEASED:

Cassette (model code # 9801):

or

SS/DD and DS/DD Diskette (model code # 9801):

ARC/CMD	ARC/FP File processor monitor command
ARCBMAKE/CMD	ARC boot tape maker command
PROTVOL/CMD	Volume write protect change command
AUTOCLH/CMD	User's auto-execute clearing command
ARCID/CMD	ARC User Log-on Maintenance Command
DSARCID/TXT	Sample ARCID program in Databus
ARC/RFM	Release Form print file
MOUNT/CMD	ARC application processor command

SS/SD Diskette (model code # 20464):

ARCBOOT/ABS	ARC bootstrap (1150/1170 only)
ARC/RFM	Release Form print file

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

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SYMBOL/VER.REV: ARCOFY 2.1

DESCRIPTION: ARC File Copy Utility

PURPOSE: 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: 72 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: ARCOFY 1.3

EXECUTION SUPPORT:

Software: DOS.A/.B 2.4
DOS.C 2.4.2
DOS.E/.G 2.6.2
DOS.D 2.7
ARC 1.7

Hardware:

Processor: 1170/1800/5000/5500/6000/6600
Minimum Size: 48K
Disk: 9310/9320/935X/936X/937X/938X/939X
Comm: 9483 RIM
Printer: Local/Servo

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50390	18 Pages
Program Media:	20553	1 DMF Cassette
Program Media:	20754	1 SS/SD Diskette
Program Media:	40434	1 SS/DD Diskette
Program Media:	40489	1 DS/DD Diskette

DETAILED DESCRIPTION:

ARCOFY is a DOS file transfer utility which permits the copying of files between two different DOS volumes. The nature of ARCOFY is such that the volumes can be of different DOS types, and the copy

operation can take place in either an ARC or standalone environment. The basic function of ARCOFY is to allow the copying of a file from one DOS type volume (medium) to another, without the necessity of using an intermediate medium such as cassette tape. All types of files can be copied, with the exception of INDEXED (ISAM) files.

REVISIONS:

** 2.1 **

- Version 2 ARCOFY provides replacement for DOS utility program COPYFILE.

PROGRAM FILES RELEASED:

ARCOFY/CMD	Object command file
ARCOFY/RFM	Release form print file

DATAPOINT COMPUTER SYSTEMS DIVISION

SYSTEM RELEASE FORM

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SYMBOL/VER.REV: CBG 1.2

DESCRIPTION: Color Business Graphics System

PURPOSE: D - New software package

RELEASE MEDIA: Disk

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

Software: DOS.D 2.7

Hardware:
Processor: 5600
Minimum Size: 128K
Disk: 937X

RELEASE ITEMS:	Description	Model code
Program media		
Software	CBG 1.2	9250
User's Guide	CBG Ver.1	50551
Primer	CBG Ver.1	50692
Disk 10 Meg.	CBG 1.2	20653

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

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. The CBG system consists of the following:

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
CBGRYMEG/TXT	CBG run-time messages
CONFIG/CMD	Program to (re-) set a controller's name
PERSONAL/CBG	Template for Forms-filler phase
SAMPLPIC/LIB	A library containing example pictures
TP102/TXT	Template for Forms-Filler phase
TP103/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
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

ARC 1.7 Attached Resource Computer System

PSCLER01/ABS Error messages
 PSCLIO01/REL Dynamic I/O driver library

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 queries.
;	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 remembered 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.

LIMITATIONS:

The Primer describes those portions of the User's Guide which are currently operational. In particular, only the DRAW, LIBRARY, CHART and OUTPUT phases are implemented. Limited tablet input is recognized. Only a subset of the DRAW commands are implemented. Most of the LIBRARY commands are implemented. OUTPUT phases prints whatever is currently on the CRT on the 9694 color printer and returns to DRAW phase. Only word charts and bar charts are available in CHART phase. Only the simplest form of DRAW commands are implemented. Thus it is illegal to say "BOX COLOR 5 point...". This sequence must be given as "COLOR 5 point...". Fonts may be selected only by number. The currently available fonts are 0, (the hardware 5x7 font), 2018, 2024, 2035, 2052, 2068, 3018, 3024, 3035, 3052, and 3068.

** 1.2 **

Outstanding Problems

The following problems have been encountered by Design Assurance. These problems are divided into two sections; Software Problems and Documentation Problems. This version of software is intended for full release.

The last section of this report addresses stand-alone CBG systems. Several additional steps are required to operate a stand-alone system properly. These additional steps are indicated in the section entitled "CBG STAND-ALONE SYSTEMS".

Software Problems

- 1) If a large number of line functions (1000 or more) is attempted without returning to DOS, CBG will abort with a "SALLOC - No Space Left" error message. The applications 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 verticle 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 verticle magnitude can be obtained by taking 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, they will enter a "DISPLAY ." to indicate the form is finished. They then have 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 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."

DATAPOINT COMPUTER SYSTEMS DIVISION

SYSTEM RELEASE FORM

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SYMBOL/VER.REV: DSSYS 2.2

DESCRIPTION: DATASHARE System

PURPOSE: A - Corrects problems (bugs)

RELEASE MEDIA: Disk

SOFTWARE CANCELLED BY THIS RELEASE: DSSYS 2.1

EXECUTION SUPPORT:

Software: None
 Hardware:
 Processor: 5500/6600
 Minimum Size: 48K
 Disk: 935X/936X/937X/939X
 Printer: Local/ Servo
 Comm: 9462 (1 or 2)

RELEASE ITEMS:

Program Media	Description	Model Code
	DSSYS 2.2	9834
User's Guide	DATASHARE 6 Ver 1	50536
User's Guide	DOS 2.7 Ver 2	50646
User's Guide	DOS 2.6 Ver 2 (DOS.E)	50432
User's Guide	DOS 2.6 Addendum(DOS.E)	50500
User's Guide	DOS 2.6 Addendum(DOS.E)	50595
User's Guide	DBCPLUS Ver 3	50321
User's Guide	CHAINPLS Ver 3	50386
User's Guide	LIBSYS Ver 2	50273
User's Guide	LINK Ver 2	50167
User's Guide	DSGEN Ver 1	50246
User's Guide	FIXREL Ver 2	50315
User's Guide	DSSLAVE Ver 1	50537
User's Guide	UPS Ver 2	50401

REVISIONS:

- 1) Added 8200 editing capabilities
- 2) Corrected keyin routine.
- 3) Corrected user's guide.
- 4) Added 8220 support.

OUTSTANDING PROBLEMS (BUGS):

When editing the 8200 or 8220 keyin translate table, keys 59-78 don't have an initial release value. Entering a blank in response to a new value displays a solid cursor.

Options 1,5 and 6 allow an infinite number of characters to be entered for octal numbers.

Entering an '*' from the 8200 or 8220 main menu returns to DOS instead of the master menu.

Two consecutive invocations of READ or WRITE KEYIN TRANSLATE TABLE AND CHARACTER FONT SET FILE for the 8200 or the 8220 will cause undefined errors.

When editing the 8x12 character font (option 2), keyin of octal numbers are not echoed on the screen. Backspace or cancel will erase part of fixed display.

PROGRAM FILES RELEASED:

CHAREEDIT/CHD Command File
 CHAREEDIT/RFM Release form print file

Disk 2.5 M BYTE	(DOS.E)	20652
Disk 10 M BYTE	(DOS.D)	20653
Disk 25 M BYTE	(DOS.D)	20654
Disk 60 M BYTE	(DOS.D)	20655

NOTE: When ordering this product please include the model code and name of the media you want DSSYS (model code 9834) shipped to you on.

DETAILED DESCRIPTION:

The DATASHARE System, DSSYS 2.2, consists of the following Datapoint released programs.

DOS.E	2.6	DOS for Cartridge Disk (2.5 MB)
DOS.E	2.6.2	Maintenance Release
DOS.D	2.7	DOS for Mass Storage Disk (10MB,25MB,60MB)
DBCPLUS	3.3	DATABUS Compiler
DSGEN	1.2	DATASHARE Program Generation System
LIBSYS	2.2	System Library Maintenance Utility
CHAINPLS	3.1	'CHAIN' file Compiler and Executor
DSSLAVE	1.2	DATASHARE Remote Station Interpreter
DS6	1.3	DATASHARE VI Version 1.
LINK	2.4	Linking Editor for Relocatable Modules
FIXREL	2.1	Relocatable FIX Utility
UPS	2.1	Utility Partition Supervisor
DSSYS/RFM		System Release Form Print file

REVISIONS:

1. DBCPLUS 3.3 has replaced DBCPLUS 3.2.
2. DS6 1.3 has replaced DS6 1.2.
3. DSSLAVE 1.2 has replaced DSSLAVE 1.1.
4. LINK 2.4 has replaced LINK 2.3.

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

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SYMBOL/VER.REV: EM3276S 1.2

DESCRIPTION: SDLC 3276 Emulator

PURPOSE: C - Corrects problems (bugs)

RELEASE MEDIA: Cassette
 Double Density Diskette

TOTAL SECTOR SIZE: 144 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: EM3276S 1.1

EXECUTION SUPPORT:

Software: DOS.D 2.7
 DOS.G 2.6
 ARC 1.7

Hardware:
 Processor: 1800/3800
 Minimum Size: 60K
 Disk: 937X/938X/939X
 Printer: Local
 Other: Integrated Communications Adapter

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50639	Previously Released
Program Media:	20598	1 DMF Cassette
Program Media:	20651	1 SS/DD Diskette
Software:	9851	EM3276S 1.2

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

DETAILED DESCRIPTION:

SDLC 3276 Emulator which operates in an IBM SNA environment.

Revisions:

** 1.2 **

1. Adjacent fields with modified data tags are now transmitted.
2. End of segment must be indicated from the host computer as one of

the conditions to be met before the user is allowed to initiate an inbound transmission.

3. M76INT - Version display changed and keyboard is unlocked during end bracket.
4. M76LUM - Cursor and current buffer addresses are set to row 1, column 1 when a 3270 screen command, is encountered.
5. M76MGR - A buffer removal problem during "SHUTDOWN COMPLETE" with CICS has been corrected.
6. M76VER - Version level changed.

PROGRAM FILES RELEASED:

EM3276S/CMD Command file
EM3276S/RFM Release form print file

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SOFTWARE RELEASE NOTIFICATION

NOTE: LICENSE REQUIRED

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RELEASE TYPE: Product Maintenance

RELEASE STATE: Final Release

PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: EMS/NETWORK CONTROLLER 1.3.2

RELEASE DATE: February 23, 1982

DESCRIPTION: ELECTRONIC MESSAGE SYSTEM NETWORK CONTROLLER

RELEASE MEDIA: One 10 Megabyte Disk
One 25 Megabyte Disk
One 60 Megabyte Disk

SOFTWARE CANCELLED BY THIS RELEASE: EMS 1.3.1

MINIMUM HARDWARE REQUIRED:

Processor/Series: 6000/6600
Memory Size: 124K
Disk: 937X/939X
Printer: Local

RELEASE ITEMS:

	MODEL CODE	DESCRIPTION
Object Code:	9826	EMS/NETWORK CONTROLLER 1.3.2 Object Code
Object Media:	20653	EMS/NETWORK CONTROLLER Update Generation Disk on 10 Megabyte

Object Media:	20654	EMS/NETWORK CONTROLLER Update Generation Disk on 25 Megabyte
Object Media:	20655	EMS/NETWORK CONTROLLER Update Generation Disk on 60 Megabyte
User's Guide:	50520	System Guide for Users
Installation Guide:	61046	Users guide for system installation

SYSTEM LIBRARY RELEASED:

EMS/NETWORK CONTROLLER Version 1.3.2

EMS/CMD

CMDHNDLR	COMHNDLR	COMPROC
COMSUPR	CONHNDLR	DSKHNDLR
EMS	EMSCOM01	EMSCOM02
EMSCOM03	EMSEKEC	FILFLUSH
LOGGER	MSGPROC	OVLHNDLR
POLLSUP	PRTHNDLR	RECLAIM
ROUTE		

EMS/LIB

ACCMAI	ACCPOR	ACTACC	ACTCOM	ACTMAI
BREPOI	BUIMAI	BUIMES	BUIREQ	CLENMAI
CLEPOR	DEAACC	DEACOM	DEAMAI	DEFMAI
DELMAI	DELPOO	DISCOM	DISCOS	DISMAI
DISPAR	DISPOO	DISPOR	DISQUE	DISSEQ
DUMFIL	DUMQUE	ENDACC	FIXMAI	FIXSAT
FIXSDT	FIXSLT	FORTIM	HOLMAI	HOLPOR
INTMAI	LOADAT	LOADOS	MONMAI	PRESEQ
POLMAI	PRIACC	PRICOS	PRIHAS	PRIMAI
PRIPAR	PRIPOO	PRIPOR	PRISEQ	PUTTIM
QUEMAI	RECMAI	RECMES	RELMAI	RELMES
RELPOR	REPMAI	REPPOR	RETMES	REVCOS
REVDAT	REVMAI	REVPAR	REVPOO	REVPOR
REVSEQ	REVTIM	SETRET	SORMAI	TASSTA
VERQUE	WATCIR	WATPOL	WATPOR	WATQUE

PROBLEMS FIXED:

1. Message Queueing -- A problem in queueing existed which caused system outages when any single message queue exceeded 256 in length. Queues are now handled properly beyond this length.
2. System I/O Errors -- I/O errors in certain DOS data structures (e.g. a file's RIB) caused an outage with 'NOT-SURE' listed as the offending task. Such errors are now logged and recovery is attempted.
3. Message/Queue/Station File Full -- A full condition on any of these files caused the system to hang and not allow shut-down or corrective action. An "Unable to allocate space" message is now logged and the system does not hang.
4. Undeliverable Advisories -- Undeliverable advisories caused session abort/retries on DOS Textfile stations, effectively disallowing further traffic to or from the station. Such advisories are now discarded and advisory handling is generally improved.
5. Receive Only Stations -- Traffic originated by receive only stations caused a system outage. This condition now merely causes a session abort.
6. Printer Out-of-Paper -- A printer out-of-paper (or jammed) condition during the midnight sequence caused the system to hang waiting for the condition to be corrected. (This could actually happen anytime, but the situation was aggravated during the midnight sequence). This was corrected by shortening printer timeouts on various printing commands.
7. DOS Textfile Interface -- Repeated "DEActivate COMMunications" invocations with DOS Textfile stations active, and not restarting EMS caused problems. This has been corrected.
8. Midnight Crossover -- Message delivery crossing midnight caused incorrect logging of connect time. The time logged is now correct.
9. REVise MAILstop -- On "specified times" poll types REV MAI did not properly accept defaults (previously entered times). This has been corrected to not overwrite existing values when defaulted by the user.

10. Space Compression -- In certain cases, space compression within command sequences in IEOS documents caused a system outage in MSGPROC. This has been corrected so that space compression anywhere is handled correctly.
11. Revise Sequence -- Creating new sequences on a volume which is full caused a system outage on termination. A message is now logged when it is determined that a file cannot be created or extended on this condition.
12. ACCumulate MAILstops -- Multiple invocations of ACC MAI in the same day caused the sequence numbers to be reset and therefore previously delivered messages to be overwritten by subsequently delivered messages. This was fixed by making ACC MAI abort with an "Already accumulated today" message on the second and subsequent invocation on any day.
13. Message Processing -- Header scanning and general message receipt/delivery caused long delays between messages resulting in idle line time and inefficient use of communications facilities (important on long distance lines). These procedures have been reorganized/streamlined to minimize this idle line time.
14. VERify QUEues -- VER QUE did not properly clean up queues after outages at certain points during actual queueing operations. It now repairs/truncates queues properly.

OUTSTANDING PROBLEMS:

1. DEFINE and REVISE MAILSTOPS commands:
 - a) Selection of "N" to RECEIVE ACCEPTANCES prompt not honored.
 - b) Selection of "REJ W/O NOTICE" to MSG REJECT HANDLING treated as "REJ WITH NOTICE".
 - c) MAXIMUM MESSAGE SIZE response ignored by system.
2. HOLD PORT command may result in station(s) being hung "pending" if no other ports of type required by station are available in system. Suggestion: If all ports of a particular type are to be held, hold all stations requiring port.

DOS/UTILITY FILES RELEASED:

<u>Filename</u>	<u>Description</u>
AIMDEX/CMD	AIM File Generation Utility
ARCCODE/TXT	ARC User's Sign-on Log
AUTOKEY/CMD	Automatic Keyin Command Function
BACKUP/CMD	Disk Copy and Defragmentation Program
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
COPYFILE/CMD	Copyfile command
COPYFILE/OVD	Copyfile overlay for 9370/9374
COPYFILE/OVY	Copyfile overlay for 9390
DOSD/RFM	Print File for DOS.D 2.7 Release Form
DOS/EPT	DOS Entry Point File
DOSEPT/REL	DOS Entry Points in Relocatable Form
DSKCHECK/CMD	System data check and repair
EBCDIC/SEQ	EBCDIC Sequence Overlay for SORT
EDIT/CMD	DOS General Purpose Editor
INDEX/CMD	ISAM Index File Generator
LIBSYS/CMD	Library Maintenance Program
LINK/CMD	Linking Editor/Relocatable Modules
MIN/CMD	Cassette Loader
MOUNT/CMD	ARC Mount Command
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
UPGRADE/27	Chain File for Partial DOS.D 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:

EMS/NETWORK CONTROLLER Version 1.3.2

<u>Filename</u>	<u>Description</u>
CDA/CMD	Outage Analyzer Command
CLEANUP/TXT	Chain File Procedure to Remove One Time Support Files
CREATE/TXT	Generation Disk Backup Procedure
CREATE1/TXT	Create User Define System Disk
CREATE2/TXT	Chain File to Upgrade EMS Software
CREATE3/TXT	Chain File to Backup EMS Database
EMS/CMD	System Root Object File
EMS/LIB	Command Overlay Library
EMS132/RFM	Software Release Notification for EMS 1.3.2
EMSTART/PRT	Start-Up Procedures Print File
INITSEQ/TXT	Chain File To Create Sequences
MAINT/REL	Maintenance Upgrade Program Library
MAINTUPG/TXT	Maintenance CHAINPLS File
MAKRESTD/TXT	Generates an automatic restart cassette tape
RUNSEQ00/TXT	System Midnight Sequence File
RUNSEQ05/TXT	System Data Base List Sequence File
RUNSEQ92/TXT	System Maintenance Sequence File
RUNSEQ95/TXT	System Shut-Down Sequence File
RUNSEQ99/TXT	System Start-Up Sequence File
SYSDUMP/CMD	System Outage Dumper

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SOFTWARE RELEASE NOTIFICATION
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RELEASE TYPE: Product Feature
RELEASE STATE: Final Release
PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: IEOS/MS (1500) 1.5.1
RELEASE DATE: February 10, 1982
DESCRIPTION: Integrated Electronic Office Station
RELEASE MEDIA: Six Single Sided Single Density Diskettes
Five Single Sided Double Density Diskettes
Two Double Sided Double Density Diskettes
SOFTWARE CANCELLED BY THIS RELEASE: IEOS/MS (1500) 1.4.1
MINIMUM HARDWARE REQUIRED:
Processor/Series: 1500/1550
Memory Size: 64K
Disk: Single Sided Single Density Diskettes
Single Sided Double Density Diskettes
Double Sided Double Density Diskettes
Local 9601, 9611
Printer: Local 9601, 9611
Comm. Equip: Synchronous Modem (1200,2400,4800 BAUD)

RELEASE ITEMS:

	MODEL CODE	DESCRIPTION
Object Code:	9825	IEOS/MS (1500) 1.5.1
Object Media:	20697	(6) Single Sided Single Density Diskettes

OUTSTANDING PROBLEMS:

- In describing the communications definition file (COM/DEF), the IEOS Supervisor's Users Guide has not been updated yet to include COM/DEF record number 6. This information is needed by users of Message Services to specify communications baud rates of other than the default (2400). Optional baud rates include 1200 and 4800.
- If an attempt is made to append a document located in the OUTBOX library to a cover letter the system will not find the document and the message "Library must be UNLOCKed" is displayed. Applies to OUTBOX documents only.
- If the users tries to REVIEW a non-existent library IEOS will abort with a "LIBRARY NOT OPEN" Pascal error message.
- If the INBOX library is AIMed and contains only documents that require CONFIRMation, the execution of the LOCATE command will cause IEOS to abort with a "INVALID ARGUMENT VALUE" Pascal error message.
- If printing is attempted to a local printer which is off-line the following error conditions occur:
 - the KBD key is ignored when trying to exit the command
 - if the printer remains off-line for more than ten minutes, a Pascal error occurs followed by either a re-booting of the processor or entering debug.
- When opening a write protected library the message "Library must be UNLOCKed" is displayed.
- If a document is RECOVERed and COPYed back into the IEOS library, a DISPLAY of the document will give the error message "Page not found" or "Illegal document format". The document may be returned to proper format by using the MODIFY command.
- The current document pointer sometimes erroneously shows a library (for example, INBOX) to be empty. Execution of the CATALOG command on the library will update the current document status.
- An attempt to replace an existing and write-protected CUTn/WP file with another CUT (using the Editor CUT command) will cause an IEOS outage.
- If the following steps are performed in HIGHLIGHT mode, set justification to CENTER, key-in text, press RETURN, then attempt to delete the new-line command using the DELETE key. The system will beep and position the cursor to the center of the line

Object Media:	20809	(5) Single Sided Double Density Diskettes
Object Media:	20793	(2) Double Sided Double Density Diskette
User's Guide:	50502	Previously Released
User's Guide:	50547	Supervisor's User's Guide
User's Guide:	50523	IEOS/MS Addendum

FEATURES:

See the IEOS Product Specification, Version 1.4 (Model Code #60926).

ENHANCEMENTS:

1. Memory Manager

Qualified overlays are stored in the upper memory of processors with more than 64K. Requested resident overlays are then loaded from upper memory rather than disk improving execution speed.

2. Improved Printer Configurability

A flag byte has been added to control (1) printer page parity and (2) transmission of escape codes to the local printer.

3. STANDBY

- Auto-Dialing has been added.
- Added code to correct DOS.H's inability to properly receive text in Transparent Mode.

4. Run Time Package

- The Pascal run-time package file names have been changed and optimized for IEOS.
- Corrections for uninitialized printer, i.e. garbage printing on first line of first page during first print.
- Printer offline timeout increased to 10 minutes.

5. IEOSDUMP

- Uses new run-time package.

containing the new-line command without having deleted the new-line command. The new-line may be deleted by using the LEFT ARROW to position the cursor over the new-line, then pressing DELETE.

- When editing justified text (even left and right margins), certain conditions will cause unnecessary "system generated" spaces to be left in the line being edited, rather than readjusting the entire line, then word-wrapping forward. This condition can be corrected by positioning the cursor to the beginning of the line, then pressing the INSERT key twice, causing all following text and spaces to be justified properly.
- If an outage occurs during a CREATE, then an UNLOCK is performed, the user will be given the option of deleting the document that was being CREATED at the time of the outage. If the delete option is selected, UNLOCK will complete with the deleted document indicated as the current document, and subsequent operations referencing the current document will be aborted with the message "Document not in library!". This condition can be cleared by re-OPENING the library.
- If a null standalone file (containing only an End-of-File mark) is COPYed into a library, any attempt to MODIFY the null document will result in an outage. The library should be UNLOCKed after restart and the null document deleted.
- IEOSDUMP does not flag an error in the option field. It places the snapshot file in the default /PRT file.
- If one tags a document in INBOX with a unique phrase and tries to LOCATE on this unique phrase the LOCATE cannot find the document. If the tag phrase is in more than one document the LOCATE can find all occurrences of the phrase. Execution of the PACKUP command on the INBOX library will correct this problem.

DOS/UTILITY FILES RELEASED:

<u>Filename</u>	<u>Description</u>
AUTOKEY/CMD	Automatic Keyin Command Function
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay
DOSGUP/REL	DOS.H entry points and definitions for LINKing
DOSH/RFM	DOS.H 2.6 Print file of release form
DSKCHK15/CMD	Verification of diskette system tables
EBCDIC/SEQ	EBCDIC Sequence Overlay for SORT
INDEX/CMD	ISAM Index File Generator
LIBSYS15/CMD	1500 System Library Maintenance Utility
SORT/CMD	DOS Sorting Utility
SYSTEM0/SYS	Resident Operating System
SYSTEM1/SYS	PREP Overlay
SYSTEM2/SYS	CLOSE Overlay
SYSTEM3/SYS	OPEN Overlay
SYSTEM4/SYS	Tasking/Communication software
SYSTEM5/SYS	ABORT Overlay
SYSTEM6/SYS	RAM screen/RAM keyboard loader
SYSTEM7/SYS	Subdirectory and DOS Function Overlay
SYSTEM/OVL	Absolute library for mixed-media
SYSTEM/REL	Relocatable library for mixed media support
UPGRADE/H	1500 Chain file to upgrade existing systems
UTILITY/LNK	DOS.H relocatable LINKING loader
UTILITY/SYS	System Utilities Files

SYSTEM FILES RELEASED:

SINGLE SIDED SINGLE DENSITY DISKETTES: (20697)

FIRST DISKETTE: Standard DOS.H 2.6 Diskette

<u>Filename</u>	<u>Description</u>
MAKE9320/CHN	Chain to set up 9320 volume
IEOS/RFM	Software Release Notification for IEOS 1.5.1 (1500-MS)

SECOND DISKETTE: (Message Service #1)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Part 1 Object File Required to Build 9320 Media

THIRD DISKETTE: (Message Service #2)

<u>Filename</u>	<u>Description</u>
IEOS1/ABS	Part 2 Object File Required to Build 9320 Media

FOURTH DISKETTE: (Message Service #3)

<u>Filename</u>	<u>Description</u>
IEOS2/ABS	Part 3 Object File Required to Build 9320 Media

FIFTH DISKETTE: (Message Service #4)

<u>Filename</u>	<u>Description</u>
IEOS3/ABS	Part 4 Object File Required to Build 9320 Media
POAS5IO/REL	Abbreviated Pascal Run-Time I/O Library
IEOSDUMP/CMD	Snapshot Screen Dump Program
IEOSTART/PRT	Installation Guide

IEOS/MS (1500) 1.5.1 page 7

SIXTH DISKETTE:

(Common)

<u>Filename</u>	<u>Description</u>
COMMON/LIB	Help Information Library

IEOS/MS (1500) 1.5.1 page 8

SINGLE SIDED DOUBLE DENSITY DISKETTES: (20809)

FIRST DISKETTE: Standard DOS.H 2.6 Diskette

SECOND DISKETTE: (Message Services Diskette #1)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command
POAS5IO/REL	Abbreviated Pascal Run-Time I/O Library

THIRD DISKETTE: (Utility)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command
IEOSDUMP/CMD	Snapshot Screen Dump Program
IEOS/RFM	Software Release Notification Form for IEOS 1.5.1 (1500-MS)
MAKE9320/CHN	Chain to Set up 9320 Volume
POAS5IO/REL	Abbreviated Pascal Run-Time I/O Library
IEOSTART/PRT	Installation Guide

FOURTH DISKETTE: (HELP/LONGFORM)

<u>Filename</u>	<u>Description</u>
COMMON/LIB	Help Information Library
IEOS/CMD	Word Processing Command
POAS5IO/REL	Abbreviated Pascal Run-Time I/O Library

FIFTH DISKETTE: (Message Services Diskette #2)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command
POAS5IO/REL	Abbreviated Pascal Run-Time I/O Library

DOUBLE SIDED DOUBLE DENSITY DISKETTES: (20793)

FIRST DISKETTE: (Message Services and DOS System Diskette)

<u>Filename</u>	<u>Description</u>
COMMON/LIB	Help Information Library
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library
IEOSDUMP/CMD	Snapshot Screen Dump Program
IEOS/RFM	Software Release Notification Form for IEOS 1.5.1 (1500-MS)
IEOSTART/PRT	Installation Guide

SECOND DISKETTE: (Message Services Diskette)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library

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OFFICE SYSTEMS GROUP

SOFTWARE RELEASE NOTIFICATION

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RELEASE TYPE: Product Feature Enhancement

RELEASE STATE: Final Release

PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: IEOS/MS (1800) 1.5.1

RELEASE DATE: January 14, 1982

DESCRIPTION: Integrated Electronic Office Station

RELEASE MEDIA: DOS.G Diskettes

SOFTWARE CANCELLED BY THIS RELEASE: IEOS/MS (1800) 1.4.1

MINIMUM HARDWARE REQUIRED:

Processor/Series:	1800 (version 14 Rom or later)
Memory Size:	60K
Disk:	184X
Comm:	201C MODEM - 2400 BAUD 208B MODEM - 4800 BAUD 212A MODEM - 1200 BAUD 801A/801C ACU's
Printer:	Local

SOFTWARE: DOS.G 2.6
EMS 1.3.1

RELEASE ITEMS:

	<u>MODEL CODE</u>	<u>DESCRIPTION</u>
Object Code:	9824	IEOS/MS (1800) 1.5.1
Object Media:	20651	(5) Single-Sided Double Density Diskettes
Object Media:	20793	(2) Double-Sided Double Density Diskettes

User's Guide:	50502	Simplified User's Guide
	50547	Supervisor's User's Guide
	50523	Message Services Addendum

FEATURES:

See the IEOS Product Specification, Version 1.4 (Model Code #60926).

ENHANCEMENTS:

o Memory Manager

Qualified overlays are stored in the upper memory of processors with more than 64K. Requested resident overlays are then loaded from upper memory rather than disk improving execution speed.

o Improved printer configurability

A flag byte has been added to control (1) spooled printfile page parity and (2) transmission of escape codes to the local printer.

OUTSTANDING PROBLEMS:

- The current document pointer sometimes erroneously shows a library (for example, INBOX) to be empty. Execution of the CATALOG command on the library will update the current document status.
- If an OUTBOX library or AIM file is write-protected, any attempt to PREPARE a message will abort IEOS.
- An attempt to replace an existing and write-protected CUTn/WP file with another CUT (using the Editor CUT command) will cause an IEOS outage.
- Restricted access to a document requiring CONFIRMation can be overridden by the %MACRO function of the WP Editor. Also, documents requiring CONFIRMation can be appended and/or attached to a Message Services document.

5. If the following steps are performed in HIGHLIGHT mode-set justification to CENTER, key-in text, press RETURN, then attempt to delete the new-line command using the DELETE key - the system will beep and position the cursor to the center of the line containing the new-line command without having deleted the new-line command. The new-line may be deleted by using the LEFT ARROW to position the cursor over the new-line, then pressing DELETE.

6. When editing justified text (even left and right margins), certain conditions will cause unnecessary "system generated" spaces to be left in the line being edited, rather than readjusting the entire line, then word-wrapping forward. This condition can be corrected by positioning the cursor to the beginning of the line, then pressing the INSERT key twice, causing all following text and spaces to be justified properly.

7. If a null standalone file (containing only an End-of-File mark) is COPYed into a library, any attempt to MODIFY the null document will result in an outage. The library should be UNLOCKed after restart and the null document deleted.

8. After outputting pitch changes to a serial printer from IEOS, the pitch is not reset to 10. Prior to exiting IEOS, issue the FORMS command with no parameters to reset the printer default values.

9. If text following a keyword in a PREPARE header (Date:, To:, Copy:, From:, Subject:) is deleted, and text is contained on the immediately following line, use of the delete key will not remove the implied new-line and move the following line up. This may be corrected by moving the cursor to the beginning of the next line, then pressing INSERT-DELETE-INSERT.

DOS/UTILITY FILES RELEASED:

<u>Filename</u>	<u>Description</u>
AIMDEX/CMD	AIM File Generation Utility
AUTOKEY/CMD	Automatic Keyin Command Function
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay 1
COPYFILE/OVG	Copyfile Overlay for DOS.G
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
INDEX/CMD	ISAM Index File Generator
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
UPGRADEG/26	Chain File for Partial 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:

SINGLE-SIDED DISKETTES

FIRST DISKETTE: Standard DOS.G 2.6 Diskette

<u>Filename</u>	<u>Description</u>
LIBSYS/CMD	Library utility command file

SECOND DISKETTE: (Message Services Diskette #1)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS for Word-Processing
POAS8IO/REL	PASCAL Run Time Library

** Minimize DOS.G File Contents

THIRD DISKETTE: (Utility)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS for Utility Menu
POAS8IO/REL	PASCAL Run Time Library
IEOSDUMP/CMD	Snapshot Screen Dump Program
MAKE9320/CHN	Chainfile to build IEOS on 9320 disk
IEOS/RFM	Software Release Notification Form
IEOSTART/PRT	IEOS Installation Guide

** Minimize DOS.G File Contents

FOURTH DISKETTE: (Help/Longform)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS Command for HELP Screens
POAS8IO/REL	PASCAL Run Time Library
COMMON/LIB	Library for Help Command

** Minimize DOS.G File Contents

FIFTH DISKETTE: (Message Services Diskette #2)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS Command for Message Services
POAS8IO/REL	PASCAL Run Time Library
CHAIN/CMD	Chain Command File
CHAIN/OV1	Chain Overlay File

** Minimize DOS.G File Contents

DOUBLE-SIDED DISKETTES

FIRST DISKETTE: Standard DOS.G 2.6 Diskette

<u>Filename</u>	<u>Description</u>
IEOS/RFM	Software Release Notification Form
IEOSTART/PRT	IEOS Installation Guide
IEOSDUMP/CMD	Snapshot Screen Dump Program
COMMON/LIB	Library for HELP Command
POAS8IO/REL	PASCAL Run Time Library

SECOND DISKETTE: (Message Service Diskette)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS for Word-Processing
POAS8IO/REL	PASCAL Run Time Library
CHAIN/CMD	Chain Command File
CHAIN/OV1	Chain Overlay File

** Minimize DOS.G File Contents

** DOS.G 2.6 Minimize File Contents on IEOS 1800 Diskettes:

<u>Filename</u>	<u>Description</u>
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

<u>Filename</u>	<u>Description</u>
BACKUP/CMD	Disk Copy and Defragmentation Program
COPY/CMD	File Copy Utility
PUTIPL/CMD	Write IPL & Bootblock to UPGRADED Disks

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SOFTWARE RELEASE NOTIFICATION
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RELEASE TYPE: Product Feature
RELEASE STATE: Final Release
PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: IEOS/WP (1500) 1.5.1
RELEASE DATE: February 10, 1982
DESCRIPTION: Integrated Electronic Office Station
RELEASE MEDIA: Five Single Sided Single Density Diskettes
Four Single Sided Double Density Diskettes
Two Double Sided Double Density Diskettes
SOFTWARE CANCELLED BY THIS RELEASE: IEOS/WP (1500) 1.4.1

MINIMUM HARDWARE REQUIRED:

Processor/Series: 1500/1550
Memory Size: 64K
Disk: Single Sided Single Density Diskettes
Single Sided Double Density Diskettes
Double Sided Double Density Diskettes
Printer: Local 9601, 9611

RELEASE ITEMS:

	<u>MODEL CODE</u>	<u>DESCRIPTION</u>
Object Code:	9822	IEOS/WP (1500) 1.5.1
Object Media:	20697	(5) Single Sided Single Density Diskettes
Object Media:	20809	(4) Single Sided Double Density Diskettes

Object Media:	20793	(2) Double Sided Double Density Diskette
User's Guide:	50502	Previously Released
User's Guide:	50547	Supervisor's User's Guide

FEATURES:

See the IEOS Product Specification, Version 1.4 (Model Code #60926).

ENHANCEMENTS:1. **Memory Manager**

Qualified overlays are stored in the upper memory of processors with more than 64K. Requested resident overlays are then loaded from upper memory rather than disk improving execution speed.

2. **Improved Printer Configurability**

A flag byte has been added to control (1) printer page parity and (2) transmission of escape codes to the local printer.

3. **Run Time Package**

- The Pascal run-time package file names have been changed and optimized for IEOS.
- Corrections for uninitialized printer, i.e. garbage printing on first line of first page during first print.
- Printer offline timeout increased to 10 minutes.

4. **IEOSDUMP**

- Uses new run-time package.

OUTSTANDING PROBLEMS:

1. If printing is attempted to a local printer which is off-line the following error conditions occur.
 - a. the KBD key is ignored when trying to exit the command
 - b. if the printer remains off-line for more than ten minutes, a Pascal error occurs followed by either a re-booting of the processor or entering debug
2. When opening a write protected library the message "Library must be UNLOCKed" is displayed.
3. If a document is RECOVERed and COPYed back into the IEOS library, a DISPLAY of the document will give the error message "Page not found" or "Illegal document format". The document may be returned to proper format by using the MODIFY command.
4. The current document pointer sometimes erroneously shows a library (for example, INBOX) to be empty. Execution of the CATALOG command on the library will update the current document status.
5. An attempt to replace an existing and write-protected CUTn/WP file with another CUT (using the Editor CUT command) will cause an IEOS outage.
6. If the following steps are performed in HIGHLIGHT mode, set justification to CENTER, key-in text, press RETURN, then attempt to delete the new-line command using the DELETE key. The system will beep and position the cursor to the center of the line containing the new-line command without having deleted the new-line command. The new-line may be deleted by using the LEFT ARROW to position the cursor over the new-line, then pressing DELETE.
7. When editing justified text (even left and right margins), certain conditions will cause unnecessary "system generated" spaces to be left in the line being edited, rather than readjusting the entire line, then word-wrapping forward. This condition can be corrected by positioning the cursor to the beginning of the line, then pressing the INSERT key twice, causing all following text and spaces to be justified properly.
8. If an outage occurs during a CREATE, then an UNLOCK is performed, the user will be given the option of deleting the document that was being CREATED at the time of the outage. If the delete option is selected, UNLOCK will complete with the deleted document

indicated as the current document, and subsequent operations referencing the current document will be aborted with the message "Document not in library!". This condition can be cleared by re-OPENING the library.

9. If a null standalone file (containing only an End-of-File mark) is COPYed into a library, any attempt to MODIFY the null document will result in an outage. The library should be UNLOCKed after restart and the null document deleted.
10. IEOSDUMP does not flag an error in the option field. It places the snapshot file in the default /PRT file.

DOS/UTILITY FILES RELEASED:

<u>Filename</u>	<u>Description</u>
AUTOKEY/CMD	Automatic Keyin Command Function
CHAIN/CMD	Program Chaining Command
CHAIN/OVL	CHAIN Overlay
DOSGUP/REL	DOS.H entry points and definitions for LINKing
DOSH/RFM	DOS.H 2.6 Print file of release form
DSKCHK15/CMD	Verification of diskette system tables
EBCDIC/SEQ	EBCDIC Sequence Overlay for SORT
INDEX/CMD	ISAM Index File Generator
LIBSYS15/CMD	1500 System Library Maintenance Utility
SORT/CMD	DOS Sorting Utility
SYSTEM0/SYS	Resident Operating System
SYSTEM1/SYS	PREP Overlay
SYSTEM2/SYS	CLOSE Overlay
SYSTEM3/SYS	OPEN Overlay
SYSTEM4/SYS	Tasking/Communication software
SYSTEM5/SYS	ABORT Overlay
SYSTEM6/SYS	RAM screen/RAM keyboard loader
SYSTEM7/SYS	Subdirectory and DOS Function Overlay
SYSTEM/OVL	Absolute library for mixed-media
SYSTEM/REL	Relocatable library for mixed media support
UPGRADE/H	1500 Chain file to upgrade existing systems
UTILITY/LNK	DOS.H relocatable LINKING loader
UTILITY/SYS	System Utilities Files

SYSTEM FILES RELEASED:

SINGLE SIDED SINGLE DENSITY DISKETTES: (20697)

FIRST DISKETTE: Standard DOS.H 2.6 Diskette

<u>Filename</u>	<u>Description</u>
MAKE9320/CHN	Chain to set up 9320 volume
IEOS/RFM	Software Release Notification for IEOS 1.5.1 (1500-WP)

SECOND DISKETTE: (Word-Processing #1)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command File #1

THIRD DISKETTE: (Word-Processing #2)

<u>Filename</u>	<u>Description</u>
IEOS1/ABS	Word Processing Command File #2

FOURTH DISKETTE: (Utility)

<u>Filename</u>	<u>Description</u>
IEOS2/ABS	Utilities Command File
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library
IEOSDUMP/CMD	Snapshot Screen Dump Program

FIFTH DISKETTE: (Common)

<u>Filename</u>	<u>Description</u>
COMMON/LIB	Help Information Library
IEOSTART/PRT	Installation Guide

SINGLE SIDED DOUBLE DENSITY DISKETTES: (20809)

FIRST DISKETTE: Standard DOS.H 2.6 Diskette

SECOND DISKETTE: (Word Processing Diskette)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library

THIRD DISKETTE: (Utility)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	Word Processing Command
IEOSDUMP/CMD	Snapshot Screen Dump Program
IEOS/RFM	Software Release Notification Form for IEOS 1.5.1 (1500-WP)
MAKE9320/CHN	Chain to Set up 9320 Volume
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library

FOURTH DISKETTE: (HELP/LONGFORM)

<u>Filename</u>	<u>Description</u>
COMMON/LIB	Help Information Library
IEOS/CMD	Word Processing Command
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library
IEOSTART/PRT	Installation Guide

DOUBLE SIDED DOUBLE DENSITY DISKETTES: (20793)

FIRST DISKETTE: (Standard DOS.H 2.6 Diskette)

SECOND DISKETTE: (Word Processing Diskette)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS Command File
POASSIO/REL	Abbreviated Pascal Run-Time I/O Library
COMMON/LIB	Help information library
IEOSDUMP/CMD	Snapshot Screen Dump Program
IEOSTART/PRT	Installation guide
IEOS/RFM	Software Release Notification for IEOS 1.5.1 (1500-WP)

DATAPOINT CORPORATION
OFFICE SYSTEMS GROUP
SOFTWARE RELEASE NOTIFICATION
NOTE: LICENSE REQUIRED

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RELEASE TYPE: Product Feature Enhancement
RELEASE STATE: Final Release
PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: IEOS/WP (1800) 1.5.1
RELEASE DATE: January 14, 1982
DESCRIPTION: Integrated Electronic Office Station
RELEASE MEDIA: DOS.G Diskettes
SOFTWARE CANCELLED BY THIS RELEASE: IEOS/WP (1800) 1.4.1
MINIMUM HARDWARE REQUIRED:

Processor/Series: 1800
Memory Size: 60K
Disk: 184X
Printer: Local

SOFTWARE: DOS.G 2.6

RELEASE ITEMS:

	<u>MODEL CODE</u>	<u>DESCRIPTION</u>
Object Code:	9821	IEOS/WP (1800) 1.5.1
Object Media:	20651	(4) Single-Sided Double Density Diskettes
Object Media:	20793	(2) Double-Sided Double Density Diskettes
User's Guide:	50502	Simplified User's Guide
	50547	Supervisor's User's Guide

6. After outputting pitch changes to a serial printer from IEOS, the pitch is not reset to 10. Prior to exiting IEOS, issue the FORMS command with no parameters to reset the printer default values.

FEATURES:

See the IEOS Product Specification, Version 1.4 (Model Code #60926).

ENHANCEMENTS:

o Memory Manager

Qualified overlays are stored in the upper memory of processors with more than 64K. Requested resident overlays are then loaded from upper memory rather than disk improving execution speed.

o Improved printer configurability

A flag byte has been added to control (1) spooled printfile page parity and (2) transmission of escape codes to the local printer.

OUTSTANDING PROBLEMS:

1. The current document pointer sometimes erroneously shows a library (for example, INBOX) to be empty. Execution of the CATALOG command on the library will update the current document status.
2. An attempt to replace an existing and write-protected CUTn/WP file with another CUT (using the Editor CUT command) will cause an IEOS outage.
3. If the following steps are performed in HIGHLIGHT mode, set justification to CENTER, key-in text, press RETURN, then attempt to delete the new-line command using the DELETE key. The system will beep and position the cursor to the center of the line containing the new-line command without having deleted the new-line command. The new-line may be deleted by using the LEFT ARROW to position the cursor over the new-line, then pressing DELETE.
4. When editing justified text (even left and right margins), certain conditions will cause unnecessary "system generated" spaces to be left in the line being edited, rather than readjusting the entire line, then word-wrapping forward. This condition can be corrected by positioning the cursor to the beginning of the line, then pressing the INSERT key twice, causing all following text and spaces to be justified properly.
5. If a null standalone file (containing only an End-of-File mark) is COPYed into a library, any attempt to MODIFY the null document will result in an outage. The library should be UNLOCKed after restart and the null document deleted.

DOS/UTILITY FILES RELEASED:

<u>Filename</u>	<u>Description</u>
AIMDEX/CMD	AIM File Generation Utility
AUTOKEY/CMD	Automatic Keyin Command Function
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay
COPYFILE/OVG	Copyfile Overlay for DOS.G
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
INDEX/CMD	ISAM Index File Generator
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
UPGRADEG/26	Chain File for Partial 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:

DOUBLE-SIDED DISKETTES

SINGLE-SIDED DISKETTES

FIRST DISKETTE: Standard DOS.G 2.6 Diskette

<u>Filename</u>	<u>Description</u>
LIBSYS/CMD	Library utility command file

SECOND DISKETTE: (Word-Processing)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS for word-processing
POAS8IO/REL	PASCAL Run Time Library

** Minimize DOS.G File Contents

THIRD DISKETTE: (Utility)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS for utility commands
POAS8IO/REL	PASCAL Run Time Library
IEOSDUMP/CMD	Snapshot screen dump program
MAKE9320/CHN	Chain to build IEOS on 9320 disk
IEOS/RFM	Software Release Notification Form

** Minimize DOS.G File Contents

FOURTH DISKETTE: (Help/Longform)

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS for HELP command
POAS8IO/REL	PASCAL Run Time Library
COMMON/LIB	Library for HELP command
IEOSTART/PRT	Installation Guide

** Minimize DOS.G File Contents

FIRST DISKETTE: Standard DOS.G 2.6 Diskette

SECOND DISKETTE: Word Processing Diskette

<u>Filename</u>	<u>Description</u>
IEOS/CMD	IEOS Command File
POAS8IO/REL	PASCAL Run Time Library
IEOSDUMP/CMD	Snapshot Screen Dump Program
IEOS/RFM	Software Release Notification Form
IEOSTART/PRT	IEOS Installation Guide
COMMON/LIB	Library for HELP Command

** Minimize DOS.G File Contents

** DOS.G 2.6 Minimize File Contents on IEOS 1800 Diskettes:

<u>Filename</u>	<u>Description</u>
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

<u>Filename</u>	<u>Description</u>
BACKUP/CMD	Disk Copy and Defragmentation Program
COPY/CMD	File Copy Utility
PUTIPL/CMD	Write IPL & Bootblock to UPGRADED Disks

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

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SYMBOL/VER.REV: KEY1800 2.1

DESCRIPTION: 1800 KEYBOARD DIAGNOSTIC

PURPOSE: B - Improves performance
C - Adds new features (enhancements)

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

SOFTWARE CANCELLED BY THIS RELEASE: KEY1800 1.3

EXECUTION SUPPORT:

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

Hardware: Processor: 1800/3800
Minimum Size: 32K
Disk: 1842/937X/939X

5500/6600 Partition Supervisor Compatible: No

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

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	5037-01	14 Pages
Program Media:	20533	1 DMF Cassette
Program Media:	40353	1 SS/DD Diskette
Program Media:	40494	1 DS/DD Diskette

DETAILED DESCRIPTION:

KEY1800 is a complete diagnostic/exerciser for the 1800 keyboard logic and switches. It will provide the user with the software by which to test the following: Alpha-numeric keyboard keys, Keyboard Number Pad, and Special Function keys.

REVISIONS:

1. Exit back to DOS via `BOOTS` is the conventional DOS entry point.
2. Defined a method for distinguishing keyboard type.
3. Keyboard type can now be reselected.
4. Keyboard selection type default is now Multi-Purpose Keyboard.
5. Program Header now appears on the first screen.
6. Misleading instructions reworded.
7. Fixed SPR's 9248 and 9250.
8. Incorporated a standard program restart address at memory location 010000 .

PROGRAM FILES RELEASED:

KEY1800/CMD Command File
KEY1800/RFM Release Form print file

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OFFICE COMMUNICATIONS SYSTEMS DIVISION
SOFTWARE RELEASE NOTIFICATION

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RELEASE TYPE: Maintenance Release

RELEASE STATE: Final Release

PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: MINI-ACD I 1.1.2

RELEASE DATE: April 1, 1982

DESCRIPTION: INFOSWITCH/MINI AUTOMATIC CALL DISTRIBUTOR SYSTEM

RELEASE MEDIA: Three Cartridge Tapes

SOFTWARE CANCELLED BY THIS RELEASE: MINI-ACD I 1.1.1

MINIMUM HARDWARE REQUIRED:

ISS: 9901-002 thru 9907-002, 9910-002
Printer: 160 CPS Printer with Serial Interface
Terminal/Series: 8200

RELEASE ITEMS:

	<u>MODEL CODE</u>	<u>DESCRIPTION</u>
Object Code:	20823	Operating System and Utilities
Object Media:	80487	Data Cartridge Tapes
User's Guide:	50632	User's Guide for MINI ACD (Previously Released)

FEATURES:

The Datapoint Corporation INFOSWITCH/MINI ACD is a compact automatic call distribution telephone switching system that provides call activity management information collection, and reporting. As a simplified version of the full-featured ACD, the MINI ACD is designed for small business environments, not requiring the sophistication of the full-featured system. For further information, please refer to Version 1.1 of the Product Specification, Model Code 61138.

ENHANCEMENTS:

The Position Activity Report has been enhanced to indicate currently signed-on positions with an asterisk. This signifies that ATTENDED time from the last sign-on at that position will not be included in this report. That time will be included on the first report performed after sign-off at that position.

PROBLEMS CORRECTED:

1. Erroneous data in the comment line in of the Position Activity Report and the Line Utilization Report has been corrected.
2. On the supervisor display, the inaccurate reporting of Longest Waiting Timed was corrected.
3. On the supervisor display, the conditional display of invalid QUE counts was corrected.
4. The generation of an additional printer form feed following completion of a report was removed.
5. On the supervisor display, the position of the Agent Status field was moved to the left to prevent the secondary status field from being too short.
6. A problem that resulted in a call processing buffer becoming "locked" to an agent position if the position was signed off and a key was depressed has been resolved.
7. A program problem that resulted in system outages with reason codes 036 and 052 has been corrected.

OUTSTANDING PROBLEMS:

1. When an incoming call is transferred from one position to another the incoming talk time (for the transferred-to agent) includes any consultation talk time.
2. If the group calls waiting threshold is exceeded the calls waiting lamps may not slow flash at positions assigned to that group.

SYSTEM FILES RELEASED:

Cartridge Tape No. 1 - On-Line Tape

Track 0 - On-line Program

Track 1 - ASCII Data for Supervisor Display and printer output

Cartridge Tape No. 2 - Utility Tape

Tracks 0 & 1 - Dump Analyzer
INITRKL (Track 1 Initialization)
MINICART (Extended Cartridge Tape Diagnostic)
RAM Diagnostic
I/O Diagnostic
Line Interface Diagnostic
Matrix Diagnostic
Tone Devices Diagnostic
Cartridge Tape Formatter

Cartridge Tape No. 3 - Formatted tape required with the diagnostic MINICART

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

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SYMBOL/VER.REV: MLUN200 3.1

DESCRIPTION: Univac UNISCOPE MULTILINK Interface

PURPOSE: 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: MLUN200 2.1

EXECUTION SUPPORT:

Software: DOS.C 2.4.2
DOS.D 2.7
DOS .E/.G 2.6.2
DBCMP 2.1/DBML11 1.2
DS45500 1.6
DS46600 1.6
DS5 3.3
LINK 2.4

Hardware:

Processor: 1150/1170/1300/3800/5500/6600
Minimum Size: 24K
Disk: 935X/936X/937X/938X/939X
Printer: Local
Comm: 9481 or ICA (1800/3800 only)
Modem: Minimum CTS delay of 8.5 ms.

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50294	35 Pages
Program Media:	20421	1 DMF Cassette
Program Media:	20422	1 SS/SD Diskette
Program Media:	40490	1 SS/DD Diskette
Program Media:	40469	1 DS/DD Diskette

DETAILED DESCRIPTION:

MLUN200 is a communications interface for the multilink facility in Datashare. It permits connection of a Datashare system to a Univac processor, using the UNISCOPE line discipline. MLUN200 will optionally support from one to twenty-four users, using synchronous communications at speeds up to 4800 bits per second. MLUN200 is released in the form of relocatable object. A chain file MAKEUNIV/CHN must be executed by the user to link MLUN200 with the correct Datashare interpreter and to configure MLUN200 with the required options. TXUNIVAC, a Databus program which uses MLUN200, has also been released to serve as an example for the Datashare user. TXUNIVAC may be used to communicate with a Univac mainframe in a conversational interactive mode.

REVISIONS:

** 3.1 **

- Support has been added for the 1800/3800 ICA.
- A problem with receiving specific SID's in status polls has been corrected. The terminal would respond with the wrong SID.
- Implemented a 10 character receive buffer to allow for possible missed interrupts.
- Support has been added for the 4 special function keys of the UNISCOPE.
- The program will now process a BCC character of octal 026 (SYN) properly while receiving.
- The sample DATABUS program "TXUNIVAC" has been corrected so that when using the ACALL to convert cursor positioning, the horizontal and vertical coordinates are not reversed.
- The program will "ROLLOUT" properly when the mainframe is not actively polling the terminals.
- Line turnarounds on the 1800 processor have been improved slightly. The driver would sometimes miss messages.

- The emulator will no longer miss polls intermittently when running against certain UNIVAC software.
- A Datascope emulation feature has been added to the MULTILINK. If enabled, it displays all characters transmitted and received on the processor screen.
- A "DUPLICATE LABEL MESSAGE" was encountered while attempting to link MLUN200 in with DS5. This has been corrected with this release.
- Support has been added for the 'BEL' character to be passed in the Route Variable.

PROGRAM FILES RELEASED:

MLUN200/REL	Multilink communications driver and ACALL routine for cursor positioning
TXUNIVAC/TXT	Sample Databus program
MAKEUNIV/CHN	Chain file for linking and configuring MLUN200
MLUN200/RFM	Program Release Form print file

DATAPOINT CORPORATION

OFFICE SYSTEMS GROUP

SOFTWARE RELEASE NOTIFICATION

NOTE: LICENSE REQUIRED

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RELEASE TYPE: PRODUCT CAPABILITY
RELEASE STATE: FINAL RELEASE
PRODUCT FAMILY/PRODUCT LINE VER.REL.REV: MULTIPLAN D 1.1
RELEASE DATE: MARCH 3, 1982
DESCRIPTION: MULTIPLAN
RELEASE MEDIA: One 10 Megabyte Disk or,
One 25 Megabyte Disk or,
One 60 Megabyte Disk or,
One Single Sided Double Density Diskette or,
One Double Sided Double Density Diskette

SOFTWARE CANCELLED BY THIS RELEASE: NONE

MINIMUM HARDWARE REQUIRED:

Processor/Series:	1800/3800/8600
Memory Size:	96K
Disk:	184X/937X/939X
Printer:	Local

RELEASE ITEMS:

	MODEL CODE	DESCRIPTION
Object Code:	9854	MULTIPLAN D 1.1
Object Media:	20653	On 10 Megabyte System Disk
Object Media:	20654	On 25 Megabyte System Disk
Object Media:	20655	On 60 Megabyte System Disk

Object Media:	20651	On (1) Single-Sided Double Density Diskette
Object Media:	20793	On (1) Double-Sided Double Density Diskette
Installation Guide:	61338	MULTIPLAN Version D 1.1 Installation Guide for DOS.D and DOS.G
User's Guide:	50683	MULTIPLAN DOS User's Guide

OUTSTANDING PROBLEMS:

1. Row and/or Column References in the form of Rm:n or Cm:n where m>n rejected.
2. In rare instances the alignment of linked windows is lost. If this should occur, re-link them.

DOGS/UTILITY FILES RELEASED:

<u>Filename</u>	<u>Description</u>
AIMDEX/CMD	AIM File Generation Utility
ARCCODE/TXT	ARC User's Sign-on Log (DOS.D)
AUTOKEY/CMD	Automatic Keyin Command Function
BACKUP/CMD	Disk Copy and Defragmentation Program
CHAIN/CMD	Program Chaining Command
CHAIN/OV1	CHAIN Overlay 1
CHAIN/OV2	CHAIN Overlay 2
COPYFILE/CMD	Copyfile Command
COPYFILE/OVD	Copyfile overlay for 9370/9374 (DOS.D)
COPYFILE/OVG	Copyfile overlay for DOS.G
COPYFILE/OVY	Copyfile overlay for 9390 (DOS.D)
DOS/EPT	DOS Entry Point File
DOSD/RPM	DOS.D 2.7 Software Release Notification Form
DOSG/RPM	DOS.G 2.6 Software Release Notification Form
DOSEPT/REL	DOS Entry Points in Relocatable Form
DSKCHECK/CMD	System data check and repair
EBCDIC/SEQ	EBCDIC Sequence Overlay for SORT
EDIT/CMD	DOS General Purpose Editor
INDEX/CMD	ISAM Index File Generator
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
UPGRADE/27	Chain File for partial DOS.D Upgrade
UPGRADEG/26	Chain File for partial 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:

<u>Filename</u>	<u>Description</u>
MP/CMD	MULTIPLAN Command
MPHLP/TMP	MULTIPLAN Online HELP Manual
MP/RFM	Software Release Notification Form
MP/PRT	MULTIPLAN D 1.1 Installation Guide

DATAPOINT COMPUTER SYSTEMS DIVISION

SYSTEM RELEASE FORM

NOTE: LICENSE REQUIRED

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SYMBOL/VER.REV: S1800 4.1

DESCRIPTION: 1800 Software System

PURPOSE: C - Adds new features (enhancements)

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

SOFTWARE CANCELLED BY THIS RELEASE: S1800 3.1

EXECUTION SUPPORT:

Software: None

Hardware:
 Processor: 1800
 Minimum Size: 64K
 Printer: 9231/9235

RELEASE ITEMS:	MODEL CODE	RELEASE
Program Media:	40421	4 SSDD Diskettes
Program Media:	40445	2 DSDD Diskettes

DETAILED DESCRIPTION:

The 1800 Software System, S1800 4.1, consists of the following Datapoint released programs.

SS/DD Diskettes contain:

Diskette 1 of 4	
DBCPLUS 3.3	DATABUS Compiler
DCCONV18 1.3	1800 Single/Double-Density File Copy Utility
DOS.G 2.6	1800 Diskette Operating System
DOS.G 2.6.2	Maintenance Release
S1800/RFM	1800 System Release Form

Diskette 2 of 4	
ARCCOPY 2.1	ARC File Copy Utility
CHAINPLS 3.1	'CHAIN' File Compiler and Executor
DCDFMT18 2.1	1800 IBM Diskette Conversion Program

LINK 2.4 Linking Editor for Relocatable Modules
 LOAD18 2.1 DOS.D 2.7 LOAD COMMAND

Diskette 3 of 4
 DSKGEN18 1.1 DOS.D 1800 Diskette Generation Utility
 FASTSORT 3.2 FAST SORT Program
 LIBSYS 2.2 System Library
 FIXREL 2.1 Maintenance Utility Relocatable FIX Utility

Diskette 4 of 4
 DS6 1.3 DATASHARE VI Version 1

DS/DD Diskettes contain:

Diskette 1 of 2
 CHAINPLS 3.1 'CHAIN' File Compiler and Executor
 DBCMPPLUS 3.3 DATABUS Compiler
 DCCONV18 1.3 1800 Single/Double-Density File Copy Utility
 DCDFMT18 2.1 1800 IBM Diskette Conversion Program
 DOS.G 2.6 1800 Diskette Operating System
 DOS.G 2.6.2 Maintenance Release
 DSKGEN18 1.1 DOS.D 1800 Diskette Generation Utility
 LINK 2.4 Linking Editor for Relocatable Modules
 LOAD18 2.1 DOS.D 2.7 LOAD COMMAND
 S1800/RFM 1800 System Release Form

Diskette 2 of 2
 ARCOPY 2.1 ARC File Copy Utility
 DS6 1.3 DATASHARE VI Version 1
 FASTSORT 3.2 FAST SORT Program
 FIXREL 2.1 Relocatable FIX Utility
 LIBSYS 2.2 System Library
 Maintenance Utility

REVISIONS:

1. DBCMPPLUS 3.3 replaces DBCMPPLUS 3.2.
2. DS6 1.3 replaces DS6 1.1.
3. DSGEN 1.2 has been removed.
4. DSTEXT 3.1 has been removed.
5. DCDFMT18 2.1 replaces DCDFMT18 1.2.
6. FIXREL 2.1 replaces FIXREL 1.3.

7. DSKGEN18 1.1 has been added.
8. DCCONV18 1.3 replaces DCCONV18 1.2.
9. DOS.G 2.6.2 maintenance release has been added.
10. LOAD18 2.1 has been added.
11. ARCOPY 2.1 has been added.
12. LINK 2.4 replaces LINK 2.3.

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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.

SYMBOL/VER.REV: T301DG86 1.1

DESCRIPTION: Diagnostic Program for 9301 Storage Subsystem

PURPOSE: D - New software package

RELEASE MEDIA: 20MB Tape Cartridge

Cassette

TOTAL SIZE: 168 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

Software: STAND ALONE

Hardware:

Processor: 8600
 Minimum Size: 64K
 Disk: 9301
 Printer: Serial Freedom

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50687	94 Pages
Program Media:	20854	1 20MB LGO Tape Cartridge
Program Media:	20855	1 DMF Cassette

DETAILED DESCRIPTION:

Diagnostic program for 9301 storage subsystem.

T301DG86 1.1

page 2

Revisions:

** 1.1 **

1. Bottom line of screen will not flash on execution of Tests 160, 161, 162, and 170.
2. The problem that causes the program to execute spooling/despooling operations only on drive 0 is fixed.
3. The problem that causes the program not to report a tape soft error is fixed.
4. Problems in disk/spooling LED level 2 diagnostics are corrected.
5. User's Guide updated.
6. The problem that causes all read errors to be ignored when the verify data option is disabled is fixed.
7. Instructions for key conventions to continue from the BUFFER DUMP mode were corrected.
8. Parameters for cylinder, track, and sector ranges were added to the interpreter menu.
9. Progress messages were added to the operator abort sequence indicating when the abort sequence was initiated and when it completes.
10. Lower case 'o' was changed to an upper case 'O' in the interpreter menu.
11. Warning messages have been added to the test menu for those tests that ignore disk limits entered by the user.
12. Status output for level 2 diagnostics was corrected.
13. Added corrections to help screen.

LIMITATIONS :

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.

PROGRAM FILES RELEASED:

T301DG86/CMD Executable Command File
T301DG86/RFM Software Release Form

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

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SYMBOL/VER.REV: T310DG86 1.1

DESCRIPTION: 9310 Disk Diagnostic for Use on an 8600 Processor

PURPOSE: A - Corrects Problems

RELEASE MEDIA: Cassette

TOTAL SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: None

EXECUTION SUPPORT:

Software: DOS.D 2.7

Hardware:

Processor: 8600

Minimum Size: 64K

Disk: 9310

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50684	25 Pages
Program Media:	20852	1 DMF Cassette

DETAILED DESCRIPTION:

T310DG86 is a diagnostic program for testing the 9310 Disk drive from an 8600 processor. The diagnostic may be used for isolating failures in the disk drive or as a proof of performance test.

REVISIONS:

** 1.1 **

Resolves all SPR'S

PROGRAM FILES RELEASED:

T310DG86/RFM Program Release Form print file
T310DG86/CMD Command Object File

DATAPOINT COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

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SYMBOL/VER.REV: T481DG55 1.1

DESCRIPTION: Multifunction Communications Adaptor Test

PURPOSE: D - New software package

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

TOTAL SIZE: 72 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: MF948 1.1

EXECUTION SUPPORT:

Software: DOS.C 2.4.2
DOS.G 2.6.2

Hardware:

Processor: 1150/1170/1800/3800/5000/5500/6000/6600

Minimum Size: 20K USER RAM

Disk: 1842/935X/937X/938X/939X

Comm: 9481

5500/6600 Partition Supervisor Compatible: No

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50690	39 Pages
Program Media:	20856	1 LGO Cassette
Program Media:	20857	1 SS/SD Diskette
Program Media:	40492	1 SS/DD Diskette
Program Media:	40493	1 DS/DD Diskette

DATAPoint COMPUTER SYSTEMS DIVISION

PROGRAM RELEASE FORM

NOTE: LICENSE REQUIRED

DETAILED DESCRIPTION:

T481DG55 is a diagnostic designed to do a functional test of the 9481 multifunction communication adapter. It is structured as a loop-back test, so loop back plugs are needed. The diagnostic runs on 1150, 1170, 1800, 3800, 5000, 5500, 6000, and 6600 processors with a minimum of 20K of User RAM. Options are provided to allow an experienced operator to precisely control the operation of the diagnostic; but every option may be defaulted by pressing the ENTER key, allowing a less experienced operator to easily execute the AUTO test sequence. The auto test sequence requires that the loop-back plug 1 be connected to connector J3 on the unit under test.

PROGRAM FILES RELEASED:

T481DG55/CMD Executable (Linked) Object File
T481DG55/RFM Release Form print file

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SYMBOL/VER.REV: TERMEX55 1.1

DESCRIPTION: Terminal and Workstation Exerciser

PURPOSE: D - New software package

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

TOTAL SIZE: 120 Sectors

SOFTWARE CANCELLED BY THIS RELEASE: TSTUBE55 1.1

EXECUTION SUPPORT:

Software: DOS.D 2.7
DOS.G 2.6.2

Hardware:
Processor: 1800/3800/5000/5500/6000/6600
Minimum Size: 48K
Disk: NONE
Printer: Serial (optional)

RELEASE ITEMS:	MODEL CODE	RELEASE
User's Guide:	50679	34 Pages
Program Media:	20349	1 DMF Cassette
Program Media:	40484	1 SS/DD Diskette
Program Media:	40485	1 DS/DD Diskette

DETAILED DESCRIPTION:

The TERMEX55 exerciser is designed to exercise terminals and workstations through the use of a multiport driven by a 6600, 5500, 3800, or 1800 processor. Up to three multiports can be supported by the exerciser.

TERMEX55 consists of five exercises, which are selectable through the master menu. Each exercise is identified by a single digit (1-5). The master menu is displayed on each terminal that goes on-line during execution. Each terminal is configured for testing by TERMEX55 before displaying the menu.

There are three types of terminals which may be tested by TERMEX55: 3600, 8200, and 8220. There is also a provision for testing remote terminals via a 9408 modem connected to the multiport.

All tests require visual inspection of the terminal under test by the operator to ensure proper functioning.

TERMEX55 1.1

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PROGRAM FILES RELEASED:

TERMEX55/CMD Terminal exercise object file
TERMEX55/RFM Release Form print file