

F A C S I M I L E

TO: JOEY CONSTANT  
DEI EDC, HUNGERFORD, UK

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FAX# 011 44 480 682138 TOTAL PAGES: 1

DATE: 30 November 1990

FROM: Sue Pageotte, DEI Monterey  
FAX # 408 648 8209  
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RE: ROCKWELL INTERNATIONAL DR DOS 5.0 EVALUATION

John,

Rockwell International in Southern California has been evaluating DR DOS 5.0 in the hopes of standardizing on DR DOS.

They like the product very well, however today the evaluation ran into an unpleasant snag. Rockwell was under the impression that **EMMS6.SYS** directly supported Windows 3.0 in enhanced mode, which of course it does not. Greg Raines, their chief evaluator, advised me that they will not be able to decide in favor of DR DOS 5.0 until this issue is resolved.

Direct support for Windows 3.0 is one of our most popular enhancement requests. This is extremely important for corporate customers and for the successful sales of DR DOS into "corporate America." I know you are aware of this, and that the EDC has been working on this compatibility issue for several months.

Could you please advise me, and the others listed on this memo, when you anticipate such support will be available? If there is a problem due to lack of resources, perhaps Steve Tunbar could speak with Dave Van Deale about it to see what can be done to assist you.

Thank you!



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Plaintiff's Exhibit

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TO: JSDM CONSTANT

UK COPIES: John Bronhead, Richard Sibbe

US COPIES: Dave Van Daele, Nicole Person, Greg Svald, Wayne Johnson, John Langford, Mike Amars

DATE: 7 November, 1980

FROM: Sue Magette

RE: SUGGESTED ENHANCEMENTS FOR NEXT DR DOS

The following DR DOS enhancement suggestions have been compiled from comments made by corporate customers evaluating DR DOS, customers who have already purchased the product, and from OPOS Technical Support staff.

1. HEAVILY REQUESTED ENHANCEMENTS
  - A. Directly support Windows 3 under the EDCSS.SYS device driver, while still permitting HILOAD, HIDEVICE, and EDCS relocation.
  - B. True multi-tasking on 386 and higher machines; task-switching with swap-to-disk option on lower level machines (including 386). See also the separate MULTI-TASKING section.
  - C. HELP available for all commands, including internal commands. This should be menu-driven and could be loadable from disk, in the same way as under Concurrent DOS.
  - D. Many requests to bundle or buy the product 4DOS, which is a command interpreter replacement. 4DOS offers enhanced batch file language, aliases, enhanced search capabilities (for example, the command DIR \*DC.\* would do a directory of all files which had the characters DC at the end of the filename), and numerous other features. In addition, 4DOS reportedly takes considerably less memory than COMMAND.COM.
  - E. FDISK should be able to directly handle hard drives with more than 1024 cylinders, without loading a device driver.
  - F. Parameter(s) passed from CONFIG.SYS to AUTOEXEC.BAT, so that the user could define different sections in AUTOEXEC which would be activated or ignored depending on options selected in CONFIG.SYS. To go along with this, activate the ? option in AUTOEXEC and other .BAT files.

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- G. VIEWMAX enhancements, most commonly:
- a keyboard template
  - option to run **FILELIST** from dialog boxes
  - ability to change colors and define own icons
  - ability to set and remove passwords
  - option to select any file (including .BAT files) and load a user-definable editor to act on that file
  - sort option to display all executables in same location regardless of actual location on the drive
- H. PASSWORD enhancements:
- option to be able to execute a command but do nothing else without a password
  - password required for sign-on (even before loading **CONFIG.SYS**); administrator's "password removal kit" - not available to retail but available for a stiff fee to corporate customers, good to execute 3 times and remove as many passwords as desired each of the three times executed
- I. **INSTALL** should support installation onto floppy diskettes of a different media size than the floppy diskette in drive A:
- J. GENERAL ENHANCEMENTS
- A. MEMORY ENHANCEMENTS
- **EMO386.SYS** direct support for Windows 3
  - All MemoryMAX commands should permit user to specify load address
  - Advanced user option to pick up extra memory from graphics card
  - Can **EMO386.SYS** be loaded at **FFFF**?
  - Option to load **EMO386.SYS** in lower memory - sometimes it is smaller than network device driver and conventional memory could be improved by loading **EMO386** low and driver into upper memory
  - Advanced option for LIM page frame of larger than 64 KB
  - Menu-driven optimizing routine to help user find "best fit" location for drivers, **TSRA**, etc
  - Define what is in the "Reserved, upper system memory" areas displayed by **MEM**
  - **KIDOS** (as in **ON/OFF**) name is too confusing, rename to **HISYS**
  - **KIDOS-ON** parameters to save or not save buffers, etc
  - Full EMS support in both **KIDOS.SYS** and **EMO386.SYS**
  - Support for upper memory calls in **XMS** specification
  - **KIDOS.SYS** must have **/WOMEM** option, and must look like a **VDISK** when in this mode.
  - **MEM** utility should show how much extended memory has been converted to expanded memory
  - Under **EMO386.SYS**, **MEM** utility should show how much extended memory is available as VCPI memory (right now, it looks like **EMO386.SYS** simply "eats" all the extended memory).
  - LIM memory emulation should have disk-swap option (pick up additional LIM memory by swap to disk).
  - **HIDEVICE** and **HITWSTALL** should first load device/**TSR** into low memory or LIM pageframe to determine true executable

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size, then move into best fit upper memory location.

B. DISK MANAGEMENT AND FILE HANDLING ENHANCEMENTS

- Directly support drives with more than 1024 cylinders (note that Kernal support already exists, however FDISK, CHKDSK, and CACHE would have to be updated)
- Advanced FDISK options to set variable sector size
- After user selects a cylinder range, FDISK should tell the user how large a partition this will create, and allow the user to accept this size, or go back and specify a new range
- Direct support for 3.5 MB floppy diskettes
- Recognise more than 2 hard drives if supported by BIOS or controller
- Provide simplified menu-driven option for FORMAT, BACKUP, RESTORE, FDISK
- User option to store files in compressed format. This could possibly work on a timer (automatically done on files not accessed within user-definable number of days), or would be the default for all file storage, with user override option
- For tape backup units which use the floppy controller, write driver to permit these units to function as another drive (would require coordination with one or more hardware firms)
- DISKCOPY should detect previous formats and not automatically format before copying data
- FORMAT should offer automatic format switch, where FORMAT detects the size of the diskette to be FORMATTED, and formats to the size of the diskette without special parameters
- Current problems with DISKCOPY on external floppy drives must be corrected (can't DISKCOPY unless the floppy actually matches the media capacity of the drive).
- "FILETAG" option - each file could have a 64-character user-definable description, retain 8-3 character traditional DOS filename size, but the filetag would permit the user to keep a longer, more comprehensible description of file contents. Syntax might be TAG filename /s (to set) /r (to remove), etc. Default for TAG to automatically follow file as it is copied, moved, deleted, etc. VIEWTAG, DIR, and FIND should work on tags
- DIR /D for double column display - see program DIR in DOS Power Tools book
- DIR, XDIR, TREE /E for directory by extension
- DIR /T to display filename and tag
- TYP should offer forward and backward scrolling with PG-UP and PG-DN keys (or up and down arrows)
- COPY and XCOPY /P switch would prompt for source and destination - files (copy from . . . . copy to . . . .)
- DISKCOPY /C option to do a DISKCOPY immediately after the DISKCOPY
- BACKUP /N menu-driven, /C offers data compression, /D estimate number of diskettes needed
- Advanced user option for CACHE to have delayed write to improve performance
- RESTORE should permit parameter which allows it to function only on specified drives

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listen to user needs than Microsoft. A very wide range of enhancements have been requested, it is true. However, judging from the changes we made between OS DOS 3.41 and OS DOS 6.0, we should not underestimate our ability to supply users with what they want.

Please let us know if you have any questions.

*me*

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