ODP # 10-7299

DD/MS 80-446

2 0 SEP 1980

MEMORANDUM FOR: Director of Data Processing, DDA

25X1A   FROM: ████████████████ (C)
                      Chief, Information Management Staff, DDO

SUBJECT: Additional Hardware and Software Features for
             the Delta Data 7260. (U)

REFERENCE: SG Memorandum 80/10, dated 9 June 1980,
               Subject: TEMPEST Approved Printer for Delta
               Data 7260. (U)

   1.   To effectively use the Delta Data 7260 as a data
processing device in the small to medium field station envi-
ronment, certain additional hardware and software features
are required to provide a complete working system, namely:

   a.   The volume and access speed requirements of a data
        processing system supporting the smaller stations
        will require a TEMPEST approved hard disk that can
        be accessed by all terminals located within the sta-
        tion. This disk requirement is in addition to the
        individual floppy diskettes currently available with
        this terminal. The hard disk unit will provide a
        storage capability on one single media for larger
        station files and allow multiple users simultaneous
        access to common data. It would also create a more
        central repository of data, making the destruction
        process less complex and more controllable.

   b.   To avoid the time consuming process of writing ori-
        ginal software for each application, a general pur-
        pose data management system (DMS) is required. A
        basic DMS that allowed file definition, maintenance,
        and simple query would greatly reduce the resources
        required for software development.

   c.   A TEMPEST approved high quality printer is required
        to provide paper copy from the word processing sys-
        tem. The desired attributes of this device are out-
        lined in the referenced memorandum. (S)

   2.   Further analysis of the functional requirements of
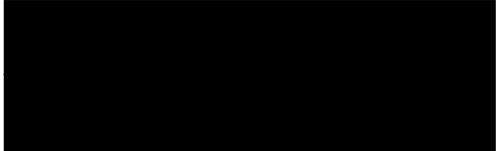the field station environment will be required before the

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AND METHODS INVOLVED

specific features needed in the DMS and hard disk can be
provided. It is anticipated that this information will be
available within the next few months. A development version
of the DMS and disk will be needed by the first quarter of
FY-82 in order to meet projected development and testing
schedules. Production models of these two items must be
available by 4th quarter FY-82. (S)

3. Questions concerning this subject should be
25X1A   addressed to █████████████████████████████████

25X1A

OG-80/10

9 JUN 1980

MEMORANDUM FOR: Chief, Engineering Division,
Office of Data Processing, DDA

STATINTL FROM:

IMS, DDO

SUBJECT: TEMPEST Approved Printer for the
Delta Data 7260 (U)

STATINTL REFERENCE: ▇▇▇ Memorandum 80/11, dated
31 January 1980, Subject: Requirement for
TEMPEST Approved, Letter Quality Printer (U)

1. In order to use the Delta Data 7260 as a standalone
data and word processing device in the field station envi-
ronment, a TEMPEST approved high quality printer is required
as an integral part of the system. Outlined below are the
specific features that must be included on this device.

a. Friction and tractor paper feed so that cut
paper and continuous form paper up to 132 character
positions wide can be used.

b. Multiple type faces to include a draft font,
OCR-A, high quality font and italics. The fonts should
be integral to the printer and not require the changing
of a printer wheel in order to change the font.
Further, the printer should be capable of responding to
font change requests issued by a host system.

c. High quality print speeds of 100 CPS. The
printer should be capable of operating at higher speeds
for printing of draft quality. Also, documents printed
must be usable with Agency OCR equipment.

d. Forms storage with the capability of merging
text into the stored form for printing. The forms
should be loadable from a host system.

e. Tabbing, underlining, and character bolding
under host control.

f. RS 232 interface.

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☐ DECL ☒ REVW ON _____
DERIVED FROM _____

SECRET

g. Switchable so as to operate on either domestic
or foreign power.

h. TEMPEST certification for operations overseas.

i. Plug board or modular construction for ease of
maintenance.

j. Maintenance training for Agency personnel along
with a source for space boards and/or modules and a
repair and return capability for defective printer
components.

k. Physical dimensions as small as possible but not
to exceed a size that would permit the printer to share
a 30" X 50" desk with a L/D 7260 and user work space.

l. Printer noise level compatible with a normal
office environment. (S)

2. A development model of the printer will be required
in Headquarters during the second quarter of FY 81 for
system integration testing purposes. Production models for
deployment to the field in quantities up to 30 must be
available by the fourth quarter of FY 81. (U)

3. This memorandum supersedes the reference. Questions
concerning this matter should be addressed to ███████████   STATINTL

STATINTL ███████████████████████

STATINTL

███████████████████

I also found a major frustration in trying to save text. Perhaps an unseen command was overriding, but a careful following of step by step procedure to SAVE SPLIT as outlined in the manual failed to produce the proper results.

Use of a word processor is so much more desirable than the typewriter, but the typewriter won out on occasion.

SUBJECT: Comments on use of Delta Data

My use of the Delta Data was as a word processor--
without the word processing package. I have had no
previous experience with word processors of any type.
Overall I would characterize my use of the Delta Data
as frustrating. The Delta Data is so very complex
that word processing is only a small part of its
potential.

Part of the frustration derived from losing text.
Several instances could have been avoided by having the
CONTROL key in a different position. It is too easy to
hit instead of the shift key. I would suggest this key
be moved lower on the keyboard with a more definite
separation between CONTROL and shift key or placed into
a position in the "number pad" where a more conscious
effort is needed to depress it.

I found also that the Delta Data seemed to retain
some characters which translated into commands--unseen
commands which surfaced during the printing process.
For instance, when typing text with indented sub-
paragraphs the printer foes not recognize carriage
returns--it continues to print one continuous line
unlgss a CONTROL carriage retwrn is used.

Some fault may have been in the printer which I used
(it required several service calls for printing "garbage"
or other problems). I also had difficulty in using the EOM
to stop printing so that I could insert a fresh piece of
paper. The printer rolled up the paper, paused for a few
seconds and continued to print.

The keyboard was probably designed very carefully.
However, I would prefer to have had the "cursor pad" and
the "number pad" transposed. It would be much easier to
moved the hand in a straight line to the right instead of
to the right and up for keys which received a great deal
of use. I used the number keys in the top row almost
gxclusively and therefore used the "number pad" 1% or less.

If it were mechanically feasible, I would have prefered
a key to "zoom" the cursor to the center of the screen
(similar to the home) rather than "thumbing the cursor up or
down and then sideways.

The manual is very well written and detailed in all
possible reactions and contingencies. Perhaps a page could
be added with a cryptic list of "Don'ts" such as:

   ...hit CONTROL with "v" key - destroys text

   ...hit CONTROL LDOS with text on screen - destroys text

   ...try to SAVE SPLIT with Directory printed on screen

ILLEGIB

craft3

15. Didn't address the numerical requirements (for finance).

16. Make sure the new environment is adaptable to new requirements.

17. We have to make an effort to demonstrate integration for the novice user.

18. Horizontal scroll.

19. Shared disk for small system is lacking (Gene feels we should talk in terms of file shareability - not disk shareability):

20. They should distinguish between number of simultaneous users as opposed to connected users.

21. We should get information from IBM (and others) as to whether a solution to the small 370 is forthcoming.

TRANSMITTAL SLIP | DATE 3/11/81

TO: _Erna_

ROOM NO. 2000 | BUILDING N/S.

REMARKS:

Returned per phone call, 3/17/81. C/ED or DD/P decided not ~~to answer~~, ref.

FROM: _Dolores /ED_

ROOM NO. | BUILDING

FORM NO. 241
1 FEB 55   REPLACES FORM 36-8 WHICH MAY BE USED.

STATINTL

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ROUTING AND RECORD SHEET

SUBJECT: (Optional)

FROM:		EXTENSION	NO
_____ (C) 25X1A Deputy Chief, IMS			DATE 9 December 1980 25X1A

TO: (Officer designation, room number, and building)	DATE		OFFICER'S INITIALS	COMMENTS (Number each comment to show from whom to whom. Draw a line across column after each comment.)
	RECEIVED	FORWARDED		
1. C/IMS				Bruce:
2. Director, ODP		10/16		I think you will find the attached appraisal of the Delta Data interesting. It is written by _____ (C), a GS-8 executive secretary who has considerable field experience and is probably typical of the kind of person who would use this terminal in the field. I would say she is basically enthusiastic about machines. Bearing in mind that we completely understand the limitations of the Delta Data without the word processing package, it still does appear that there are certain features about the Delta Data which can be frustrating. No doubt the problems with the printer will be sorted out. But the observations on the position of the CONTROL key, the cursor pad and the desired "zoom" feature for the cursor are things we might think about.
3. E O			25X1A	
4. D D				
5. DD/P				
6. C/ED				Incidentally, the attached was done on the Delta Data with the Design 100 printer. The text was letter perfect on the screen; the garbles come from the printer, a problem that we have tried without success to correct on several occasions.
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

2-6 Are you getting much feedback like this?

RWW 09Dec00 Drv D9c.13
CL BY 016030

the way, about *"into"*

Any plans for modification?