C O N F I D E N T I A L

26 April 1976

ATTACHMENT TO:

SUBJECT           :   Summary of Planned Replacement of
                      The Office of Communications'
                      IBM System/3 Model 10

1.   The planned replacement of the Office of
Communications' IBM System/3 is to replace the Model
10 96-column card record system with a Model 4 disk
storage record system.   The Model 4 will also have
increased memory (64K vice 8K bytes) for greater
processor controlled record field manipulation capa-
bility, multi-task capability, CRT's for system control
and file inquiry, update and demands, plus two printers
for outputs.   Although the combined print capability
in lines per minute is slightly lower than the current
200LPM, greater flexibility will exist with separate
printers requiring less paper changing for different
form requirements, and simultaneous running of two
different print jobs.   The attached chart entitled
"System/3 Replacement Equipment Configuration" is a
pictorial representation.

2.   This system serves OC in meeting cryptographic
accounting and cryptographic warehousing requirements.
The current data base involves 200,000 items.  This total
is divided into 80,000 items issued to nearly [    ] world-          25X1
wide holder accounts, and 120,000 remaining within the
warehousing responsibility.   Resupply to the field accounts
requires 5,000 transactions annually.   Stock resupply, and
items issued, amounts to 70,000-90,000 items per year
received in about 800 batches.   Distinct short titles of
material controlled on a birth to death basis numbers 1,326.

3.   Advantages of the new system include:

A.   Relieve the staffing from the card system
highly repetitive tasks sufficiently to make it
possible to redirect the effort of one person to
other requirements where additional staffing is
needed.

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        B.   Increase the holder and history records
to 128-character length to satisfy requirements
that have gone beyond 96-character record length
capability.

        C.   Maintain backup files on removable disk
cartridges which will be stored remote from the
operating facility.

        D.   Increased automation in the areas of stock
management and issue to field accounts on programmed
basis.

        E.   Greater accuracy through less manual action
against the files.
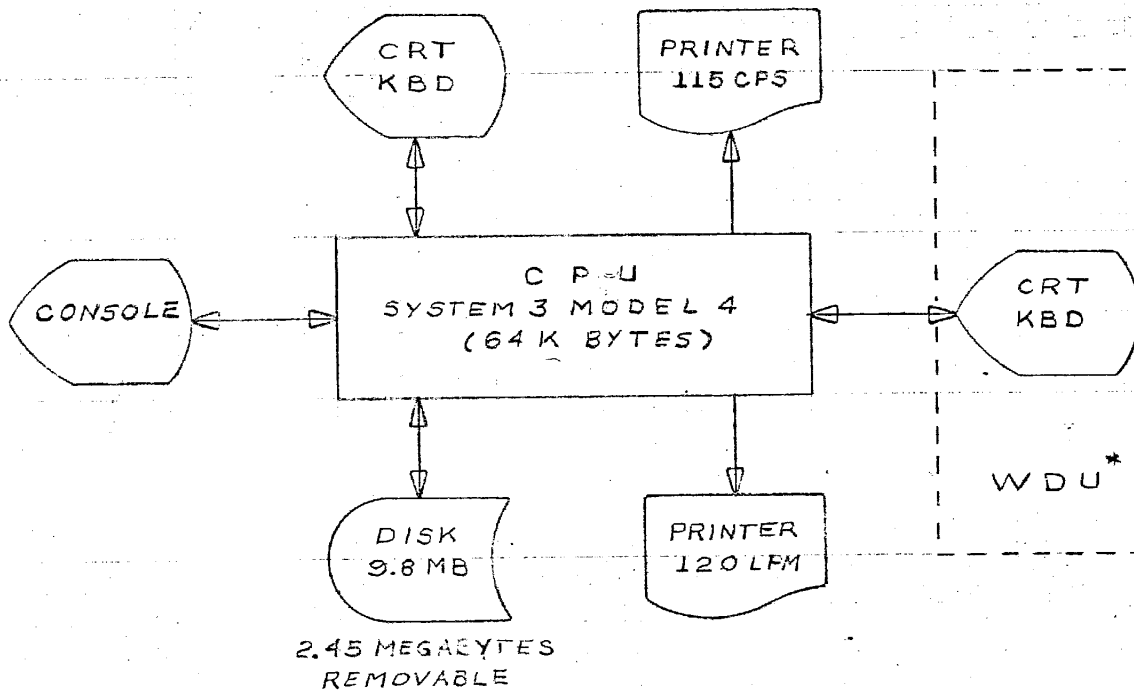
25X1

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OC-CS/EAB

Attachment:
  System/3 Replacement Equipment Configuration Chart

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27 APRIL 1976

SYSTEM 3 REPLACEMENT EQUIPMENT CONFIGURATION



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