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PDP-X Technical Memorandum # 20

Title: Memorandum Index Program
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Index Keys: Index
 Memorandum
Distribution
 Key: On request
Obsolete: None
Revision: None
Date: August 21, 1967

0.0 Introduction

The Index Program is used for the generation and maintenance of the index of the PDP-7 Technical Memorandum. The input to the program is a card-deck containing information on the Technical Memorandum. The output is on the line-printer. The program runs in 17K on a PDP-6.

1.0 The Index Program is loaded into the PDP-6 with the console command:
(device must have the Index Program on it)

.RUN DEVICE INDEX

It will respond with the query:

'NUMBER OF COPIES.'

Place the card-deck in the card reader, press "POWER-ON"; when the "NOT-READY" light comes on, press "RESET" and then "READY".

Type in the number of copies to be made, on the teletype, followed by a carriage-return. The program will read the card-deck. After the last card has been read, press the "END-OF-FILE" button on the reader. The program will print out the requested number of copies on the line printer.

(Index requires the disk if more than one copy is requested. The program occupies 17K of core memory.)

2.0 Cards are prepared as follows:

Input card format:

Input cards are in four formats distinguished by a flag code in column 1:

- T - This indicates a title card. The four digit number in columns 2-5 is the document number. The title of the document is in columns 6-55 (i.e., it is not larger than 50 characters). Duplicate document numbers are illegal and a message will be printed on the user's teletype; duplicate titles are not, however, illegal.
- R - This indicates a revision card. The document whose number appears in columns 2-5 is revised by the document whose number appears in columns 6-9. The title card for the document being revised must already have been processed. If not, an 'ORDER ERROR' message will be typed on the user's teletype.
- O - This indicates an obsolescence card. The document whose number appears in columns 2-5 is obsoleted by the document whose number appears in columns 6-9. The title card for the document being obsoleted must already have been processed. If not, an 'ORDER ERROR' message will be typed on the user's teletype.
- X - This indicates an index key card. The document whose number appears in columns 2-5 is given the index key that appears in column 6-55 (i.e., the index key is not larger than 50 characters).

Summary:

<u>Column</u>	<u>Meaning</u>
1	Flag Code T - Title Card R - Revision Card O - Obsolescence Card X - Index Card
2-5	Document Number
6-9	Document Number for Flags O,R O - Indicates the document obsoleting the document whose number is in columns 2-5 R - Indicates the document revising the document whose number is in columns 2-5
6-55	Alphabetic Field for Flags T,X T - Document Title X - Index Key