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ARINC RESEARCH CORP ANNAPOLIS MD
COMPUTER OPERATION MANUAL FOR MACCS DATA SYSTEM. (U)
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COMPUTER OPERATION MANUAL FOR MACCS DATA SYSTEM

December 1974

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Prepared for
COMMANDANT OF THE MARINE CORPS
DEPARTMENT OF THE NAVY
under Contract M00027-74-C-0099

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FOR
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Section 1. GENERAL DESCRIPTION

1.1 PURPOSE OF COMPUTER OPERATION MANUAL

The objective of this Computer Operation Manual for MACCS DATA is to provide computer control and computer operator personnel with a detailed operational description of the system and its associated environment with which they will be concerned during the performance of their duties.

1.2 SYSTEM APPLICATION

The purpose of the MACCS DATA System is to provide failure and maintenance information on the AN/TYQ-1, AN/TYQ-2, AN/TYQ-3, and AN/TPS-32 systems. All input to the computer operator personnel will be in the form of cards and magnetic tape. Output will consist of tapes and printer listings.

1.3 SYSTEM OPERATION

The MACCS DATA System consists of the three procedures NEWFMR, OPHRRS, and PQUPDT. Figures 1-1, 1-2, and 1-3 describe respectively the operation of these procedures.

1.4 PROGRAM INVENTORY

The list below is an inventory of the programs that comprise the MACCS DATA system.

Program Name	Procedure Name	Job # of Procedure	Est. time of run
CDTAPE	NEWFMR	1	2 min.
SRTCTS	NEWFMR	2	2 min.
ERRCHK	NEWFMR	3	3 min.
SRTCT3	NEWFMR	4	2 min.
PRTCHK	NEWFMR	5	3 min.
SRTCT4	NEWFMR	6	2 min.
FSNCHK	NEWFMR	7	3 min.
EDTAPE	NEWFMR	8	4 min.
MRGSRT	NEWFMR	9	2 min.
LSTAPE	NEWFMR	10	12 min.
CDTAPE	OPHRRS	1	2 min.
MRGHRS	OPHRRS	2	2 min.
EDTAPE	OPHRRS	3	4 min.
CDTAPE	PQUPDT	1	2 min.
MRGPQ3	PQUPDT	2	2 min.
MRGPQ4	PQUPDT	3	2 min.
EDTAPE	PQUPDT	4	4 min.

Section 2. SYSTEM CONTROL

2.1 CONTROL REQUIREMENTS

The three procedures in MACCS DATA conform to the following conditions

- A. Processing Cycle: Periodic
- B. Input: Card and tape inputs as well as the necessary tape labels are placed with the source decks.
- C. Control: No library is used; security is UNCLASSIFIED.
- D. Data Preparation: N/A
- E. Forms: See Figures 2-1 and 2-2.
- F. Preliminary Processing: N/A
- G. Quality Control: N/A
- H. Output Disposition: Return to the user.
- I. Input Disposition: Return to the user.

2.2 CONTROL FORMS

See Figures 2-1, 2-2, and 2-3.

2.3 PHASING

Each set of cards and tapes presented to the operator personnel will be complete and involve no other procedures.

2.4 DATA RETENTION SCHEDULES

All outputs will be returned to the user and hence data retention is not required.

Section 3. OPERATING PROCEDURES

3.1 EDP TASKS

All necessary procedure descriptions will be provided for each job run on the forms shown in Figures 2-1 and 2-2.

3.1.1 Equipment Configuration

- IBM System 370/135/DOS (equipped with Sort/Merge feature)
- Disk pack
- Four tape drives
- Card Reader
- 1403 Line Printer

3.1.2 Input Materials

All input will be in the form of punched cards (80/80) and/or magnetic tapes (80/2000).

3.1.3 Output Expected

All output will consist of magnetic tape (80/2000) and/or printer listings.

3.1.4 Procedures

No unusual procedures are required by MACCS DATA. Operator action will be confined to 1) loading tapes and cards prior to program runs; 2) unloading and labeling new tapes after runs (see Figure 2-3); and 3) providing dumps of specified tape drives.

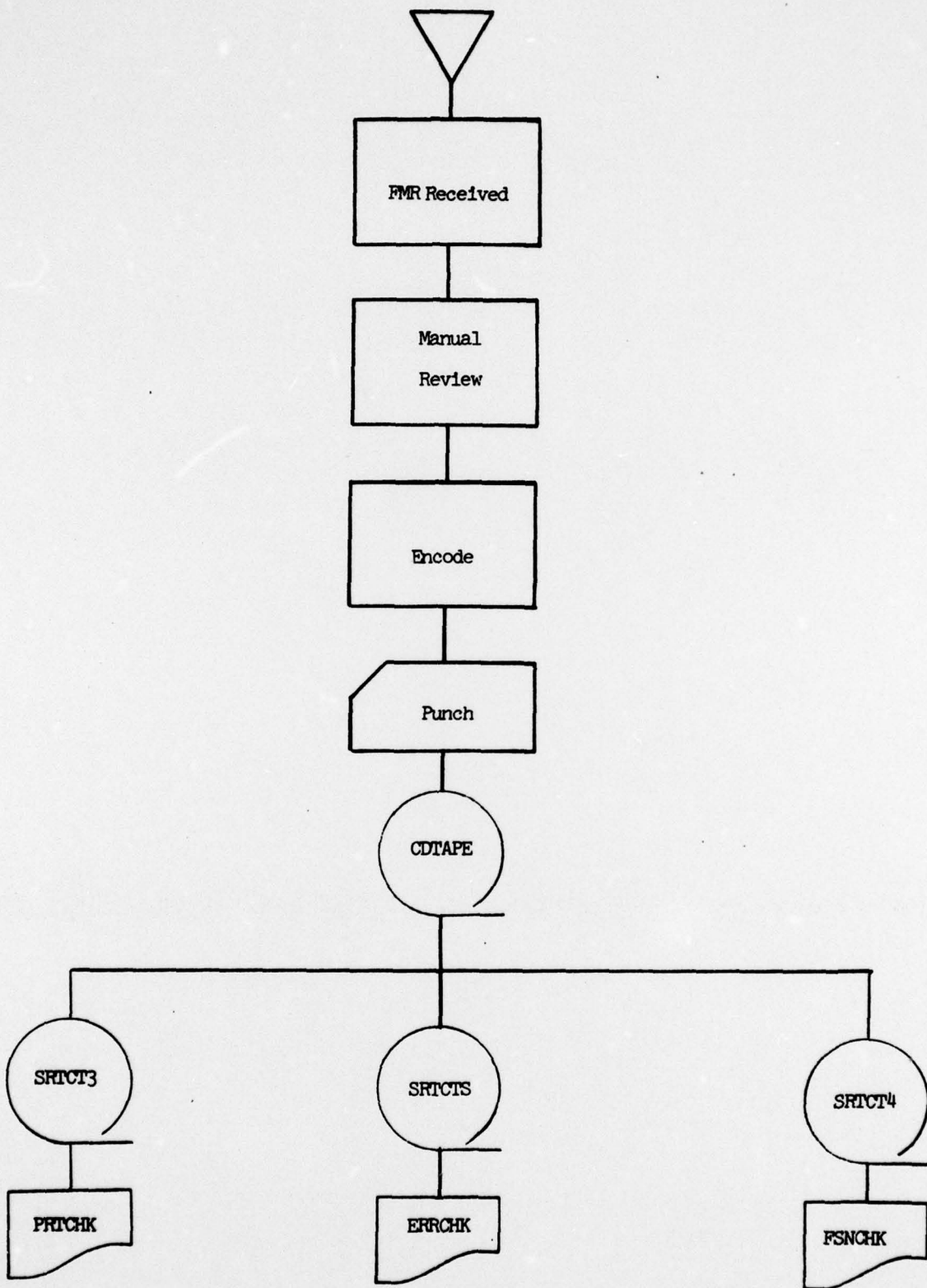


Figure 1-1a. Logic Flow of Procedure NEWFMR: Phase 1

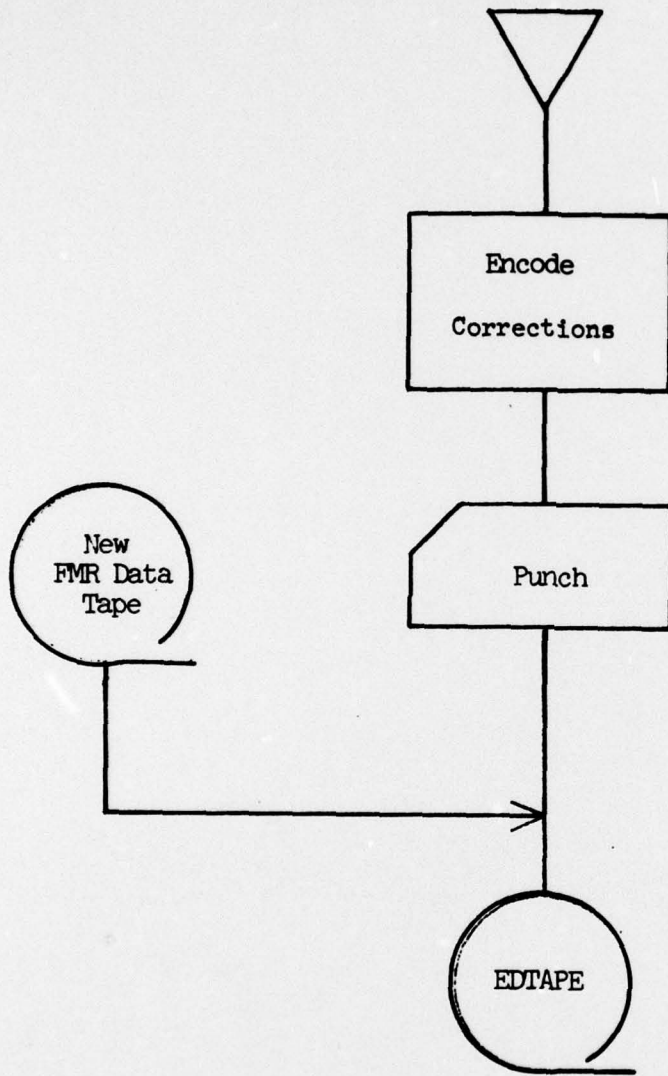


Figure 1-1b. Logic Flow of Procedure NEWFMR: Phase 2

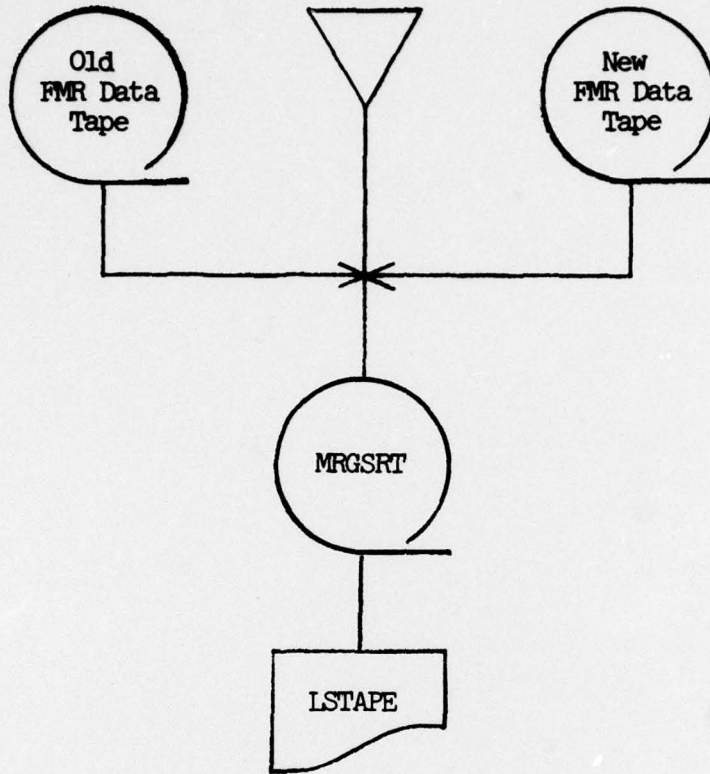


Figure 1-1c. Logic Flow of Procedure NEWFMR: Phase 3

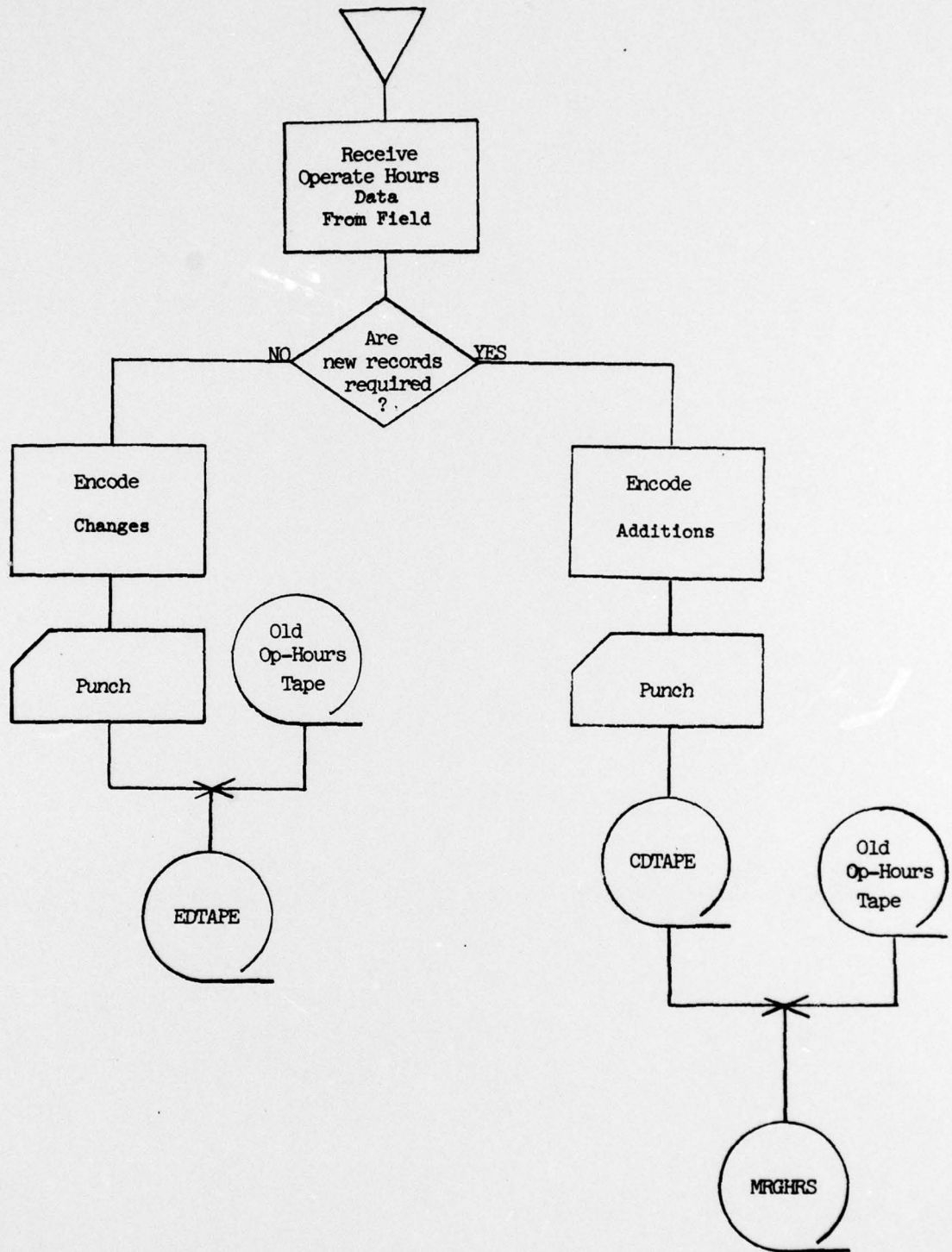


Figure 1-2. Logic Flow of Procedure OPHRRS

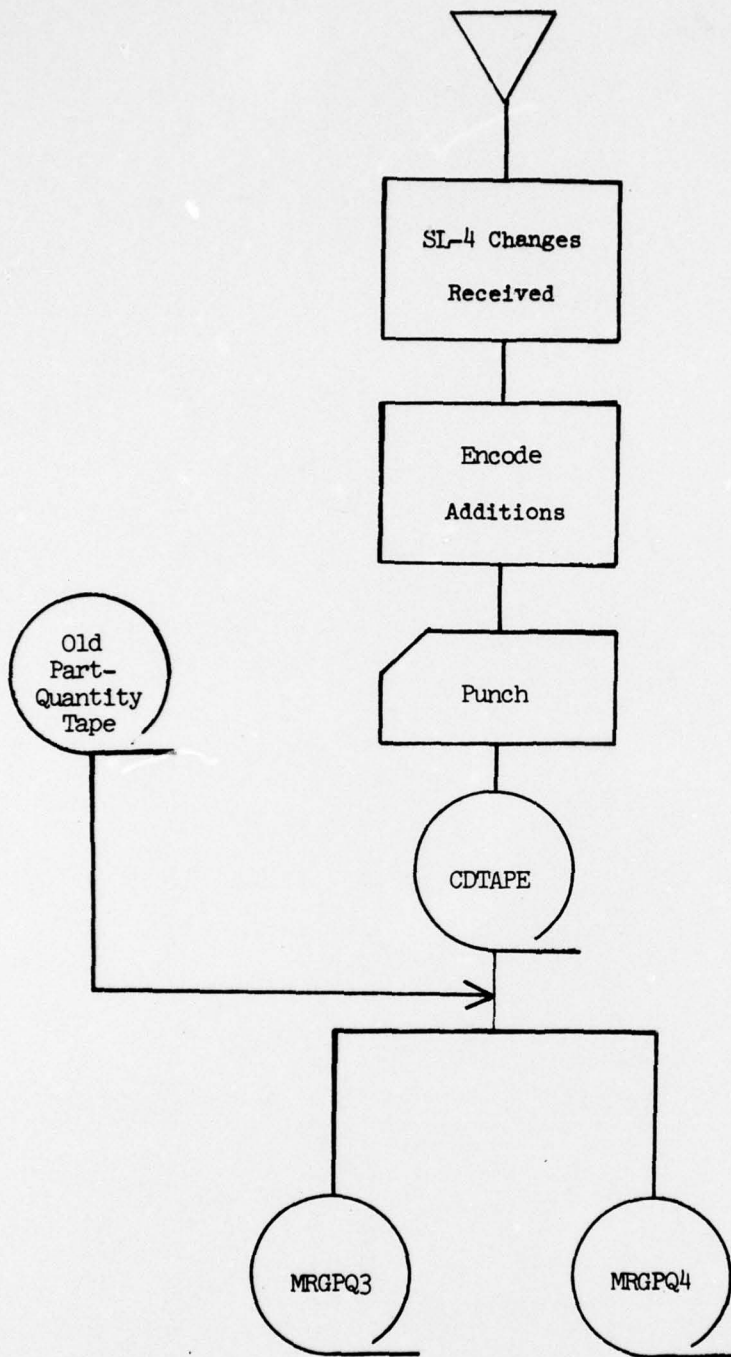


Figure 1-3a. Logic Flow of Procedure PQUPDT: Phase 1

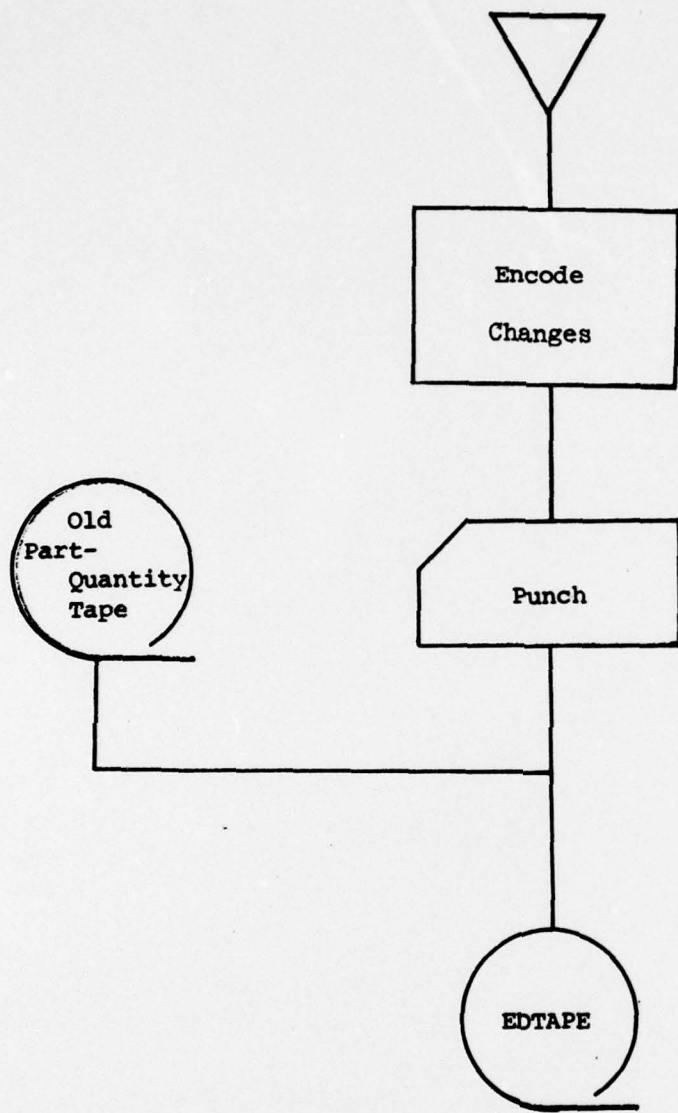


Figure 1-3b. Logic Flow of Procedure PQUPTD: Phase 2

DPO COMPILE/REQUEST FORM							
NAME				CHARGE NBR.			
JOB							
COMPILE		TEST		FLOW CHART ATTACHED			
INPUT		OUTPUT		PAPER			
CARD		PRINT		NBR. PARTS			
DISK		PUNCH		SIZE			
TAPE		TAPE		OTHER:			
TAPE OR DISK UNITS REQUIRED							
UNIT NBR							
REEL OR PACK NBR.							
SAVE							
COMMENTS:							
DATE REQUESTED		DATE REQUIRED		EST. RUN TIME		MAX. TIME	
SCHEDULED							
DATE	FROM		TO		RUN NBR.		
RUN							
DATE	START	COMPL.	RUN TIME	OPER.			

Figure 2-1. DPO Compile/Request Form

REQUEST FOR DATA PROCESSING SERVICES

DO NOT USE THIS SPACE

REQ. NO. _____

RECEIVED IN D. P.

 HOUR _____

 DATE / /

 BY _____

① REQUESTED BY _____ DPT./GRP. _____ EXT. _____

REQUEST DATE _____ DATE REQUIRED _____

② JOB NAME _____

INPUT: SOURCE _____

CONTROLS _____

OUTPUT: NO. COPIES _____ PAPER SIZE _____ DISPOSITION _____

SPECIAL CONDITIONS _____

③ CHARGE TO: ACCOUNT NO. _____ ARINC or PROJECT / WORK ORDER NO. _____ RESEARCH

APPROVED _____ AUTHORIZED SIGNATURE _____

DO NOT USE THIS SPACE

_____	_____
CUSTOMER	CHARGE NO.

④ REMARKS _____

DATE COMPLETED _____

FOR CUSTOMER USE

JOB RECEIVED:

DATE _____

TIME _____

BY _____

```

                                AB INC
FILE.....

    IDENT.....
CHARGE NO..... LATE.....
MCDE                                USER
..... LABEL..... RI..... BL.....
    FILE
REEL SEC..... DRIVE
..DF...

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Figure 2-3. Tape Label

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

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