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16. Abstract (Limit: 200 words)

The Base Management Engineering Data System is an automated system for collecting and summarizing management engineering data. Its purpose is to relieve management engineering personnel from the burden of performing manual summarizations and computations in order that they may devote more time to the analysis and decision-making aspects of a work measurement study. BMEDS is organized into three subsystems: Work Center Description (WORDS), Data Collection (DACS), and Lead Team Analysis (LTAS).

1

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DEPARTMENT OF THE AIR FORCE
Headquarters US Air Force
Washington DC 20330

AF MANUAL 171-212
Volume I
1 December 1978

Automatic Data Processing Systems and Procedures

BASE MANAGEMENT ENGINEERING DATA SYSTEM (BMEDS): E515/QQ

COMPUTER OPERATION MANUAL

This manual provides B3500 computer information for processing the Base Management Engineering Data System (BMEDS) at all B3500 DPIs.

TABLE OF CONTENTS

Supersedes AFM 171-212, Volume I, 1 May 1978. (See signature page for summary of changes.)
No of Printed Pages: 48
PRM Approval: Col Lyne
Editor: L. H. Glenn
Distribution: F

LIST OF ATTACHMENTS

LIST OF FIGURES

SECTION 1. GENERAL

1.1 Purpose of the Computer Operation Manual. The objective of this Computer Operation Manual for the Base Management Engineering Data System (BMEDS): E515/QQ is to provide computer control and computer operation 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 Project References.

a. AFDSDC/PRMF, AFM 25-212, Functional User Support Manual for the Base Management Engineering Data System (BMEDS): E515/QQ, Unclassified.

b. AFDSDC/PRMD, AFM 171-212, volume III, Maintenance Manual for the Base Management Engineering Data System (BMEDS): E515/QQ, Unclassified.

c. AF/PRMR, AFM 25-5, Management Engineering Policies and Procedures

1.3 Terms and Abbreviations.

Term	Definition
- (dash)	Locally determined
**	Variable file code
ADR	Address
DACS	Data Collection Subsystem. A system designed for the Input Team to use in collection of measurement data.
DESC	Description
Input Team	A management engineering team designated to participate in the measurement phase of a Lead Command/Team study, to develop input data for use by the Lead Team in computing a standard.
Lead Command	A command assigned the responsibility for the conduct of an Air Force directed study.
Lead Team	A team selected to accomplish, under the surveillance of the Lead Command, the preliminary measurement and computation phase to prepare the proposed measurement plan and to provide guidance and assistance to Input Teams during the measurement phase. The Lead Team prepares and publishes the final report and performs other specific tasks assigned by HQ USAF or the Lead Command.

Term	Definition
LTAS	Lead Team Analysis Subsystem. A system designed for the Lead Team to use in the analysis of collected measurement data.
MET	Management Engineering Team. Same as Input Team.
MSMT	Measurement
WORDS	*Work Center Description* Subsystem. A system designed for the Lead Team to use to define the work center.
Work Center	A group of personnel that use similar machines, processes, methods, or operations and performs homogeneous type work usually within a centralized area. The term is used to identify a relatively small activity within a broad functional segment. Personnel within a Work Center perform work that contributes to the same end product or result, and their duties are similar or closely related.

SECTION 2. SYSTEM OVERVIEW

2.1 System Application. BMEDS allows management engineering personnel more time for analysis of a work measurement study by doing summarizations and computations required for the study.

2.2 System Organization. BMEDS is organized into three subsystems: Work Center Description (WORDS), Data Collection (DACS), and Lead Team Analysis (LTAS). Figures 2-Ø1 through 2-Ø3 contain the subsystem flowcharts.

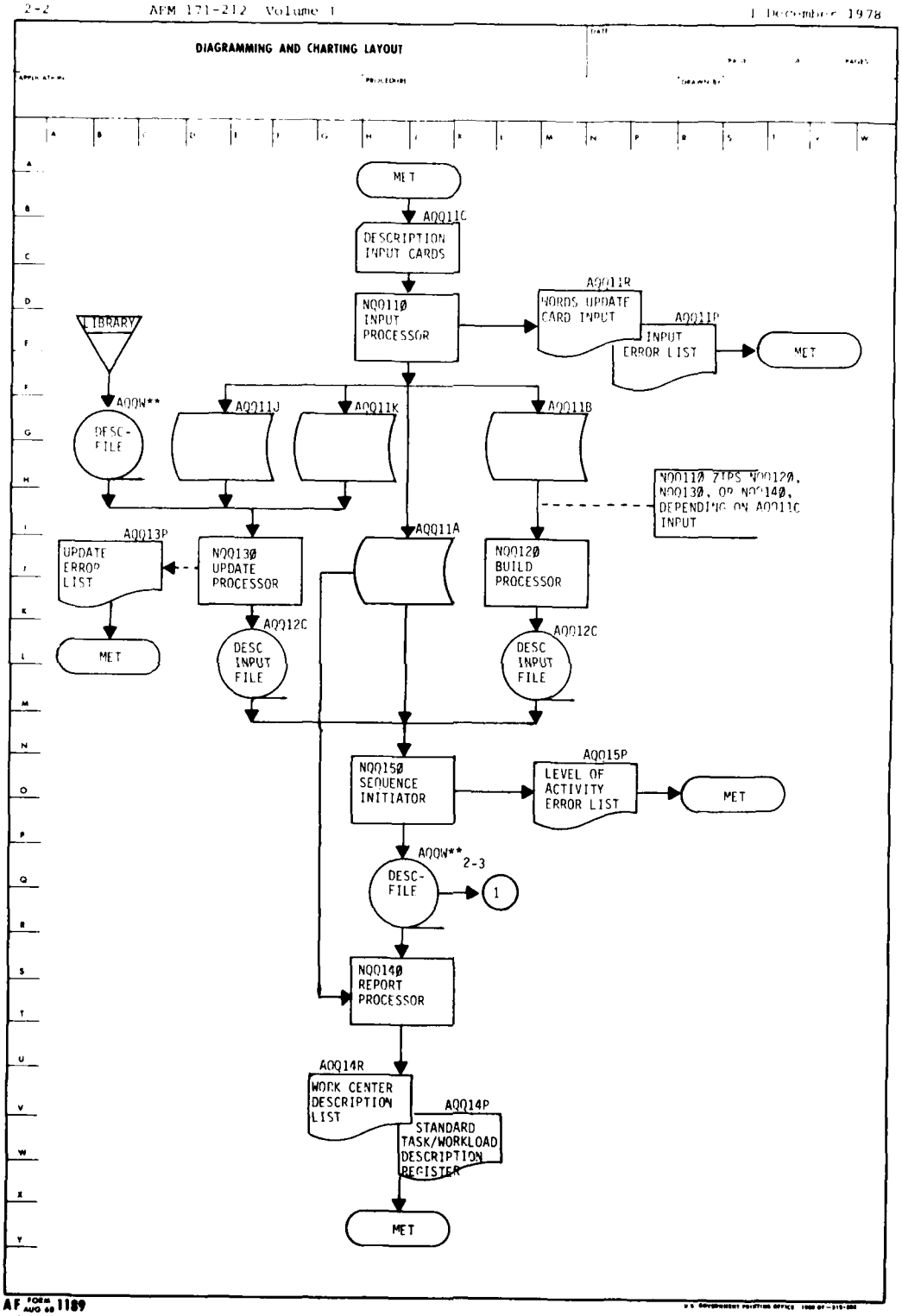

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Figure 2-Ø1. Work Center Description Subsystem.

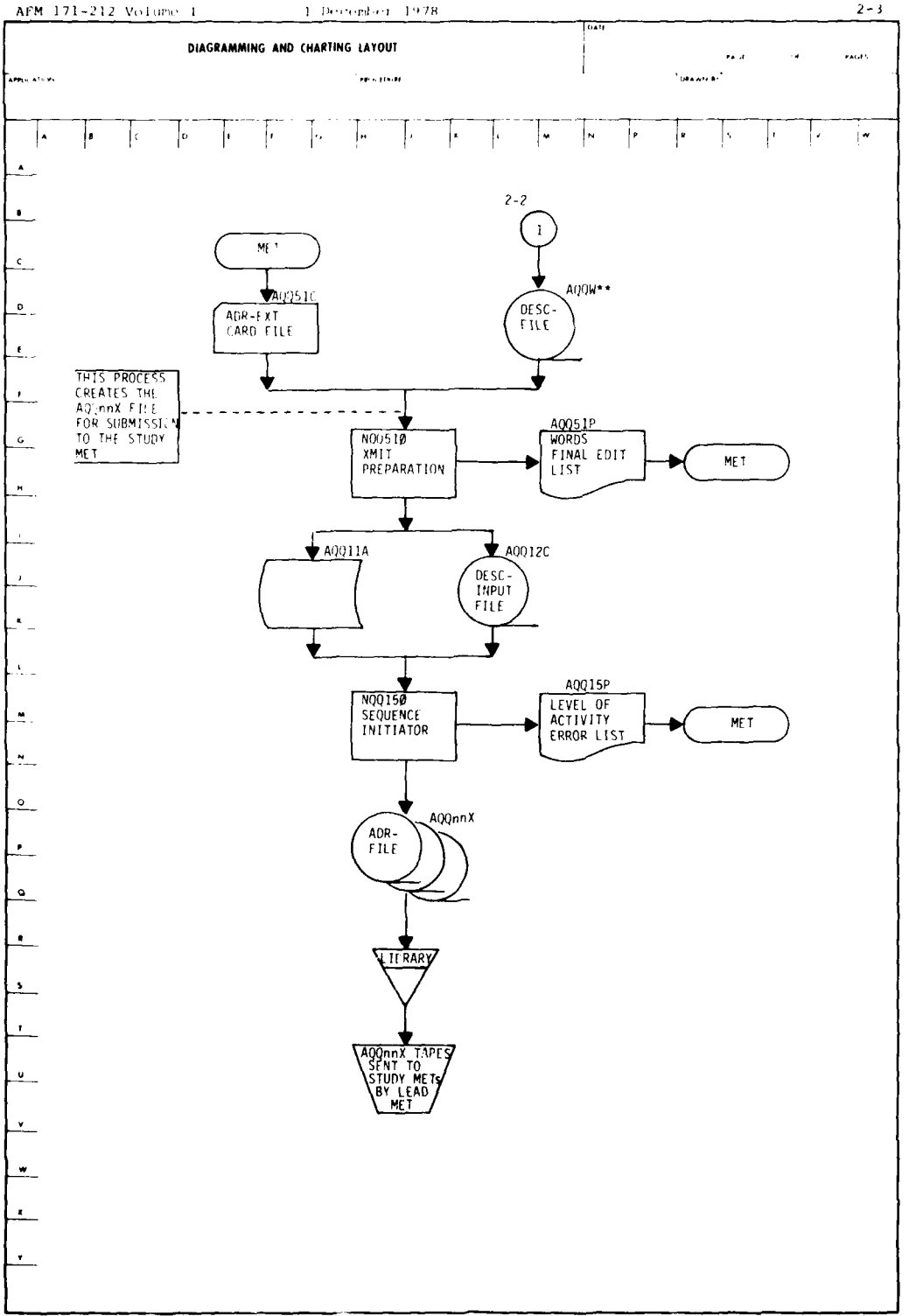

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Figure 2-Ø1. Work Center Description Subsystem. (Cont'd)

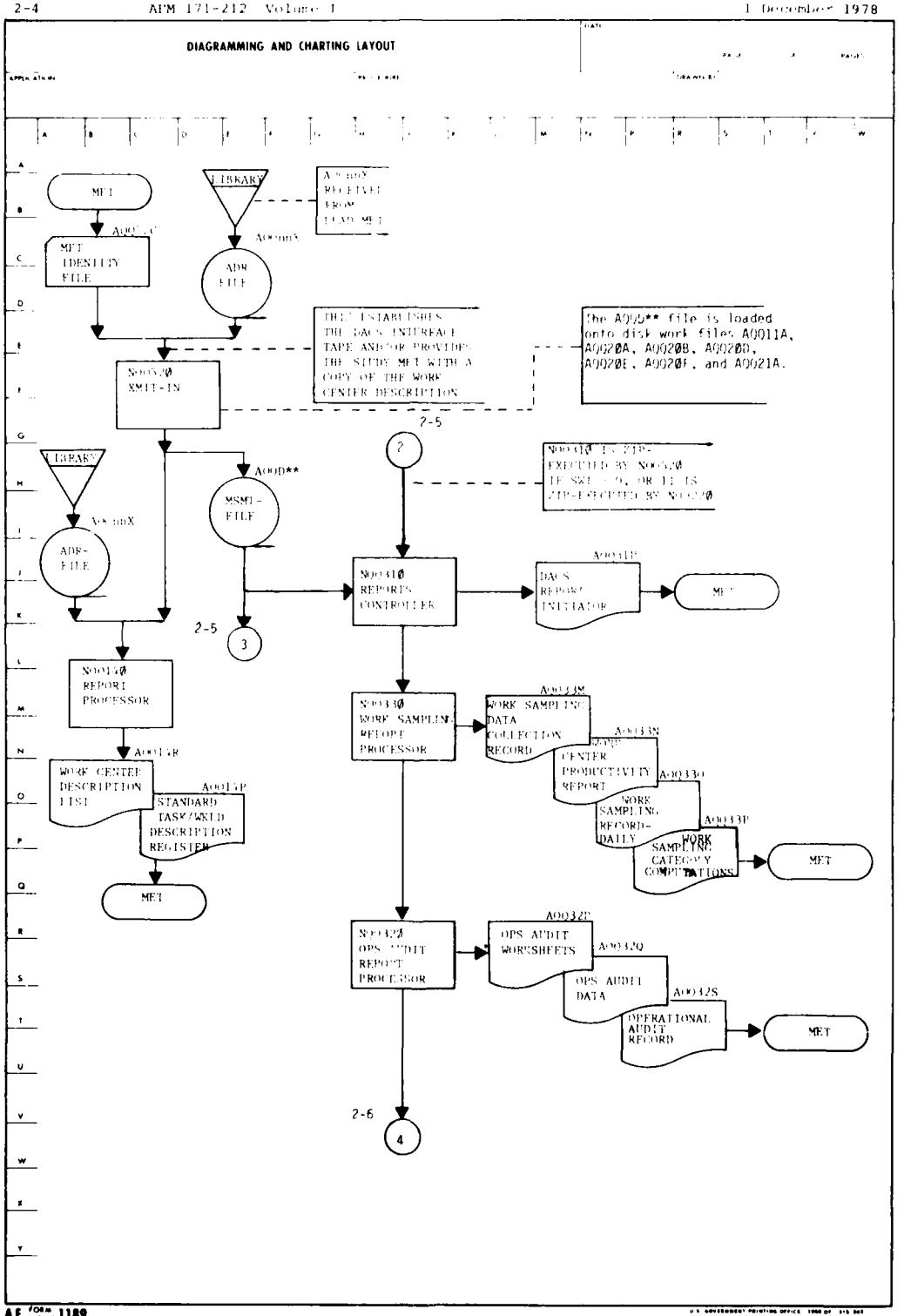

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Figure 2-Ø2. Data Collection Subsystem.

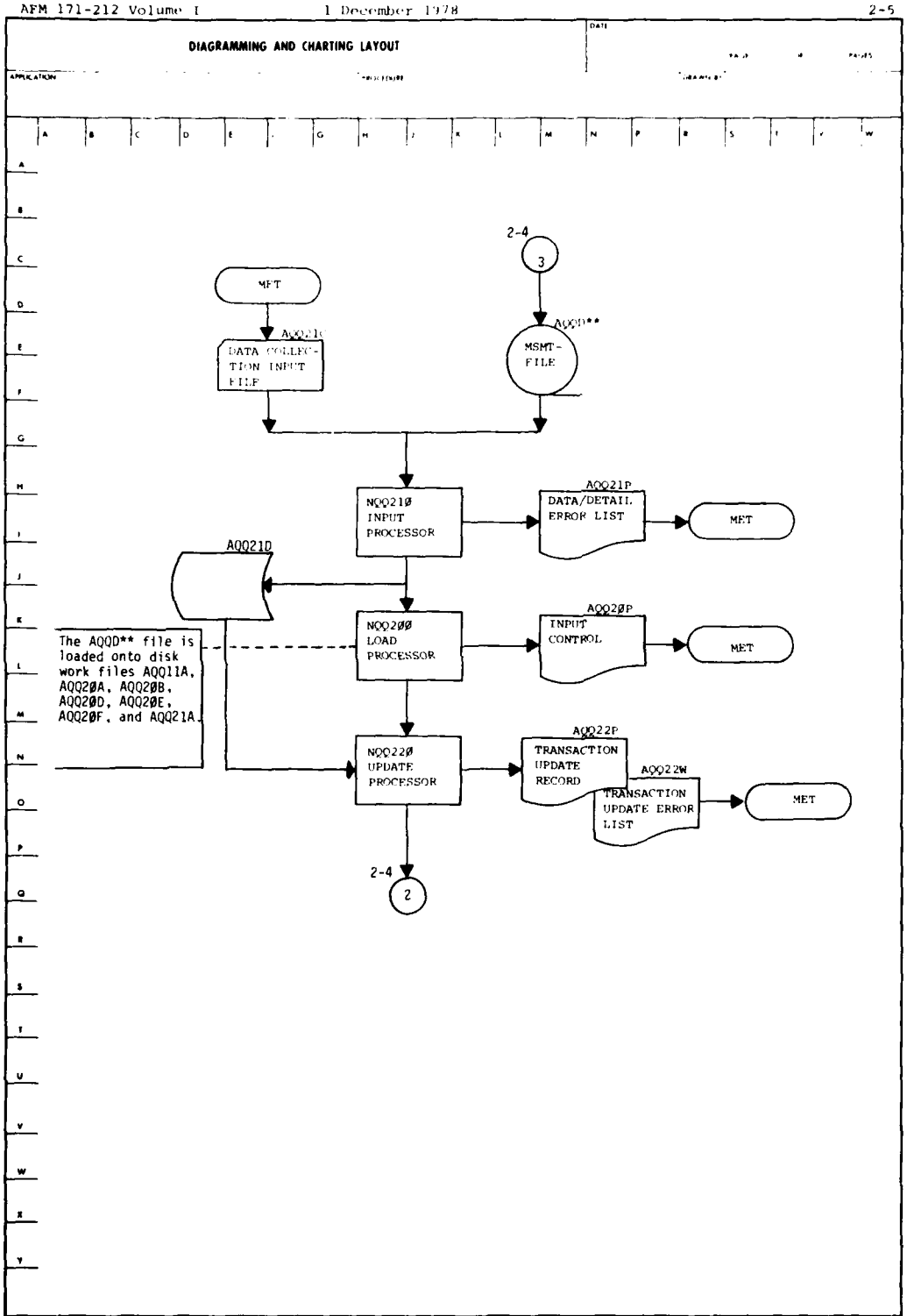

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Figure 2-Ø2. Data Collection Subsystem. (Cont'd)

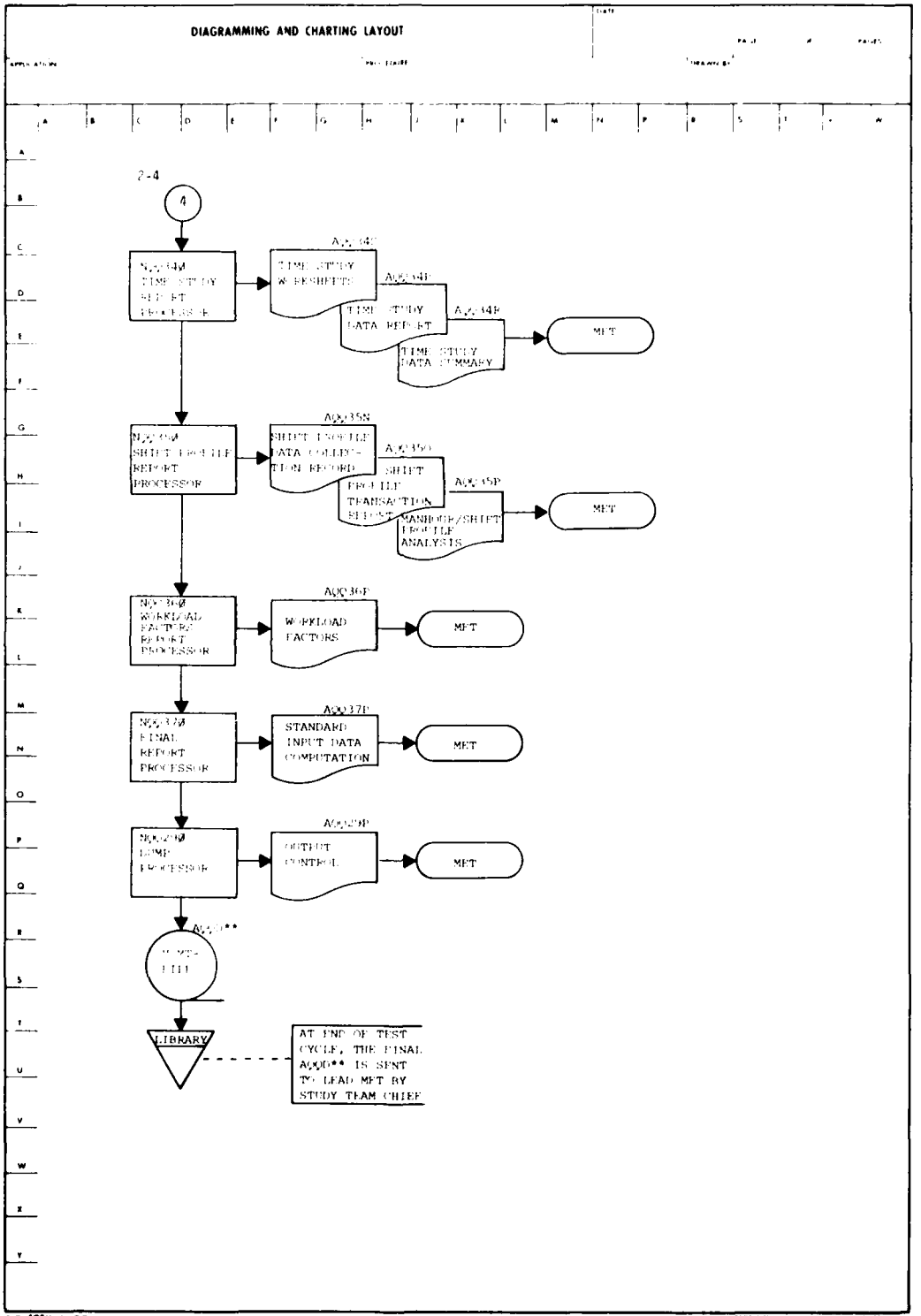

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Figure 2-92. Data Collection Subsystem. (Cont'd)

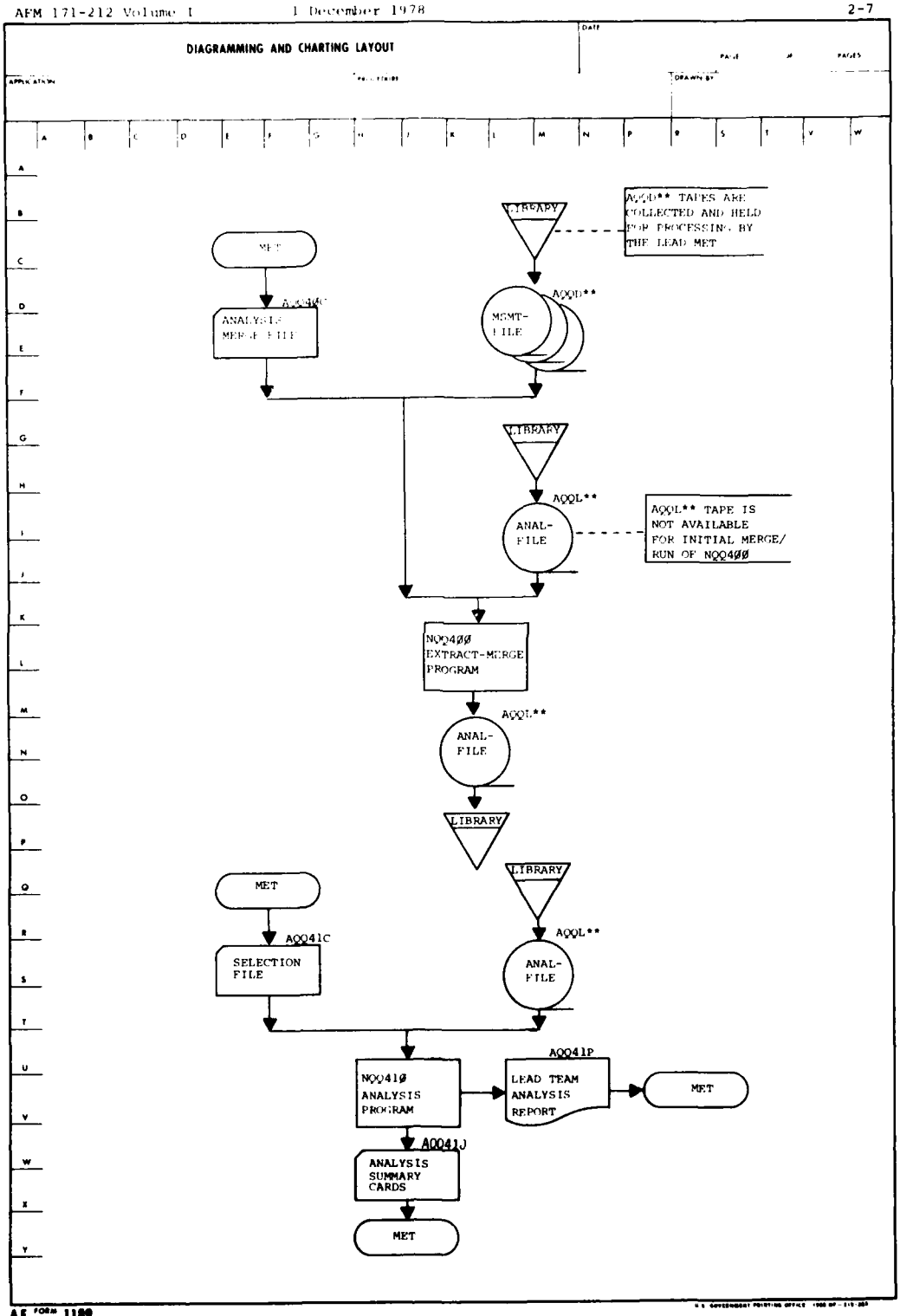

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Figure 2-Ø3. Lead Team Analysis Subsystem.

2.3 Program Inventory.

Title	Program ID	Classification
BMEDS Input Processor	NQQ11Ø	Unclassified
BMEDS Build Processor	NQQ12Ø	Unclassified
BMEDS Update Processor	NQQ13Ø	Unclassified
BMEDS Report Processor	NQQ14Ø	Unclassified
BMEDS Sequence Initiator	NQQ15Ø	Unclassified
BMEDS Load Processor	NQQ2ØØ	Unclassified
BMEDS Input Processor	NQQ21Ø	Unclassified
BMEDS Update Processor	NQQ22Ø	Unclassified
BMEDS Dump Processor	NQQ29Ø	Unclassified
BMEDS Reports Controller	NQQ31Ø	Unclassified
BMEDS Ops Audit Report Processor	NQQ32Ø	Unclassified
BMEDS Work Sampling Report Processor	NQQ33Ø	Unclassified
BMEDS Time Study Report Processor	NQQ34Ø	Unclassified
BMEDS Shift Profile Report Processor	NQQ35Ø	Unclassified
BMEDS Workload Factors Report Processor	NQQ36Ø	Unclassified
BMEDS Final Report Processor	NQQ37Ø	Unclassified
BMEDS Extract-Merge Program	NQQ4ØØ	Unclassified
BMEDS Analysis Program	NQQ41Ø	Unclassified
BMEDS XMIT Preparation	NQQ51Ø	Unclassified
BMEDS XMIT In	NQQ52Ø	Unclassified

2.4 File Inventory.

a. Work Center Description File, AQQW**, Tape, One Tape

b. Work Center Description File, AQQD**, Tape, One Tape

c. Work Center Description File, AQQnnX, Tape, One Tape

d. Analysis Summary File, AQQL**, Tape, One Tape

2.5 Processing Overview.

a. The Work Center Description Subsystem (WORDS) is used to develop a Work Center description. The Work Center Description File (DESC-FILE) is created in three phases: Build, Update, and Insertion of Study Controllers. In the Build Phase, the DESC-File is created from card input. In the Update Phase, data is added, changed, or deleted from the DESC-File. The Insertion of Study Controllers provides data collection points in the file for various Management Engineering

study techniques. The primary functions of WORDS are to create/update the DESC-File, to produce the Standard Task/Workload Description Report and the Work Center Description List, to assign sequential control numbers and category line numbers in the DESC-File, to create an Address File from the DESC-File for each collection team participating in the study, and to create a Measurement File from the Address File.

b. The Data Collection Subsystem (DACS) is used by the collection teams to enter work measurement transactions and to request work sheets and reports. The Measurement File is loaded to disk and updated. After the update, reports are printed, and the disk file is transferred to tape. DACS programs are run as required by the collection teams.

c. The Lead Team Analysis Subsystem (LTAS) merges all Measurement Files of a study into one Analysis File. Measurement data is summarized during the merge process. As many as 40 files may be merged. After the merge, the Analysis File is used to produce various reports. Card output from LTAS may be obtained and used by the regression analysis utility program.

2.6 Security and Privacy. There are no classified components in BMEDS, and no privacy restrictions for any BMEDS data.

SECTION 3. DESCRIPTION OF RUNS

3.1 Run Inventory.

a. Run 1 of BMEDS involves WORDS. The Lead MET builds a master DESC-File (AQQW**) which is the basis of all work measurements by Study METs. Programs executed include NQQ11Ø, NQQ12Ø, NQQ15Ø, and NQQ14Ø for the initial build, while NQQ11Ø, NQQ13Ø, NQQ15Ø, and NQQ14Ø are executed for all update runs. Recurring reports are the WORDS Update Card Input, the Input Error List, the Level of Activity Error List, the Work Center Description List, and the Standard Task/Workload Description Register. When the DESC-File (AQQW**) is readied, NQQ51Ø and NQQ15Ø are run to prepare AQQnnX Address Files for submission of the master DESC-File to all Study METs. A WORDS Final Edit List and a Level of Activity Error List are generated by the creation of Address Files.

b. Run 2 of BMEDS involves DACS. DACS is comprised of 13 programs: NQQ52Ø, NQQ14Ø, NQQ31Ø, NQQ32Ø, NQQ33Ø, NQQ34Ø, NQQ35Ø, NQQ36Ø, NQQ37Ø, NQQ29Ø, NQQ21Ø, NQQ2ØØ, and NQQ22Ø. The Study MET creates a MSMT-File (AQQD**) by executing NQQ52Ø against the Lead MET's ADR-File (AQQnnX), and uses the same ADR-File in NQQ14Ø to get a Work Center Description List and the Standard Task/Workload Description Register. Measurement data is input using NQQ21Ø, which ZIPs NQQ2ØØ to load required files. NQQ22Ø updates the data base and ZIP-executes NQQ31Ø to print new DACS reports. DACS reports are controlled within NQQ31Ø, which is ZIP-executed by NQQ22Ø or NQQ52Ø (if SW1 = 0). Programs NQQ32Ø through NQQ37Ø print DACS reports needed by the Study MET. When all measurement is input, NQQ29Ø creates the final MSMT-File (AQQD**) which is sent to the Lead MET by the Study Team Chief.

c. Run 3 of BMEDS involves LTAS. All Study Team MSMT-Files (AQQD**) are collected and merged into an Analysis File (AQQL**) by the Lead MET using NQQ4ØØ. The final Analysis File is run through NQQ41Ø to create Analysis Summary Cards and the Lead Team Analysis Report.

3.2 Phasing. Phasing of program runs noted in paragraph 3.1 is determined by the Lead MET and its Study METs.

3.3 Run Description (Run 1 - WORDS). Reference AF Forms 2071 in attachments 1-1 through 1-4 for detailed information needed to run the subsystem programs.

3.3.1 Control Inputs.

a. This deck setup is used to build/update the Work Center Description File:

```
?EXECUTE NQQ11Ø
?DATA AQQ11C
(Description Input Card File, PCN SE515-81Ø)
?END
```

b. This deck setup is used to prepare the WORDS DESC-File for transmission to the Collection METs:

```
?EXECUTE NQQ51Ø
?DATA AQQ51C
(Address Extract Card File, PCN SE515-83Ø)
?END
```

3.3.2 Management Information.

a. Run 1 - WORDS

b. Peripheral equipment required: card reader, line printer, two tape drives

c. Security of run is unclassified

d. Run initiated by Lead MET as required

e. Run time will vary with volume of data

f. Required turnaround time is not applicable

g. No waivers from operational standards

h. Contact the Lead MET Chief for problems with run

3.3.3 Input-Output Files.

3.3.3.1 Description Input Card File (AQQ11C).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Lead MET

d. Lead MET

3.3.3.2 WORDS Control File (AQQ11A).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.3.3.3 Description Build File (AQQ11B).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.3.3.4 Transaction Update File (AQQ11J).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.3.3.5 Transaction Add File (AQQ11K).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.3.3.6 Description Input File (AQQ12C).

a. Unclassified security; no privacy

b. Magnetic Tape

c. No retention

d. Purge

3.3.3.7 Work Center Description File (AQQW**).

a. Unclassified security; no privacy

b. Magnetic Tape

c. Retention determined by Lead MET

d. Library

3.3.3.8 Address Extract Card File (AQQ51C).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Lead MET

d. Lead MET

3.3.3.9 Address File (AQQnnX).

a. Unclassified security; no privacy

b. Magnetic Tape

c. Retention determined by Lead MET

d. Library

3.3.4 Output Reports.

3.3.4.1 WORDS Update Card Input (AQQ11R).

a. PCN SE515-1Ø7-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of cards input

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.2 Input Error List (AQQ11P).

a. PCN SE515-111-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of cards in error

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.3 Update Error List (AQQ13P).

a. PCN SE515-112-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of cards in error

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.4 Level of Activity Error List (AQQ15P).

a. PCN SE515-113-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume depends on number of errors

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.5 Work Center Description List (AQQ14R).

a. PCN SE515-151-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume average is 10 pages, depending on input

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.6 Standard Task and Workload Description Register (AQQ14P).

a. PCN SE515-121-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume average is 10 pages, depending on input

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.7 WORDS Final Edit List (AQQ51P).

a. PCN SE515-61Ø-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume averages 5 to 10 pages

e. Number of copies determined by Lead MET

f. Lead MET

3.3.4.8 Level of Activity Error List (AQQ15P).

a. PCN SE515-113-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume is dependent on number of errors

e. Number of copies determined by Lead MET

f. Lead MET

3.3.5 Reproduced Output Reports. Report reproduction is determined locally.

3.3.6 Restart/Recovery Procedures. Purge any output AQQ files created, and rerun the program series that was in process when System Failure occurred.

3.4 Run Description (Run 2 - WORDS). Reference AF Forms 2071 in attachments 2-1 through 2-6 for detailed information needed to run the subsystem programs.

3.4.1 Control Inputs.

a. This deck setup establishes a Study MET's Measurement File (AQQD**):

```
?EXECUTE NQQ52Ø
?DATA AQQ52C
(MET Identity Card, PCN SE515-84Ø)
?END
```

b. This deck setup controls transactions against the Study MET's Measurement File:

```
?EXECUTE NQQ21Ø
?DATA AQQ21C
(Data Collection Input Card File, PCN SE515-82Ø)
?END
```

3.4.2 Management Information.

a. Run 2 - DACS

b. Peripheral equipment required: card reader, line printer, two tape drives

c. Security of run is unclassified

d. Run initiated by Study MET as required

e. Run time is dependent on reports requested and volume of updates to perform against the Measurement File. Normally, runs are under 5 minutes.

f. Required turnaround time is not applicable

g. No waivers from operational standards

h. Contact the Study MET Chief for problems experienced with run

3.4.3 Input-Output Files.

3.4.3.1 Address File (AQQnnX).

a. Unclassified security; no privacy

b. Magnetic Tape

c. Retention determined by Lead MET

d. Library

3.4.3.2 MET Identity File (AQQ52C).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Study MET

d. Study MET

3.4.3.3 WORDS Control File (AQQ11A).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.4 HDR-File (AQQ2ØB).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.5 Wkld-File (AQQ2ØA).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.6 DACS-File (AQQ2ØD).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.7 Control-File (AQQ21A).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.8 Day-File (AQQ2ØE).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.9 Shift Profile File (AQQ2ØF).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.1Ø Data Collection Input Card File (AQQ21C).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Study MET

d. Study MET

3.4.3.11 Measurement File (AQQD**).

a. Unclassified security; no privacy

b. Magnetic Tape

c. Retention determined by Study MET

d. Library

3.4.3.12 Edited Transactions (AQQ21D).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.13 Ops Audit Summary File (AQQ32A).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.14 Ops Audit Add File (AQQ32B).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.15 Work Study Summary File (AQQ33A).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.3.16 Time Study Summary File (AQQ34A).

a. Unclassified security; no privacy

b. Disk

c. No retention

d. Purge

3.4.4 Output Reports.

3.4.4.1 Work Center Description List (AQQ14R).

a. PCN SE515-151-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume average is 10 pages, depending on input

e. Number of copies determined by Study MET

f. Study MET

3.4.4.2 Standard Task and Workload Description Register (AQQ14P).

a. PCN SE515-121-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume average is 10 pages, depending on input

e. Number of copies determined by Study MET

f. Study MET

3.4.4.3 Data/Detail Error List (AQQ21P).

a. PCN SE515-212-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of cards in error

e. Number of copies determined by Study MET

f. Study MET

3.4.4.4 Input Control (AQQ2ØP).

a. PCN SE515-213-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.5 Transaction Update Report (AQQ22P).

a. PCN SE515-211-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of cards input

e. Number of copies determined by Study MET

f. Study MET

3.4.4.6 Transaction Update Error List (AQQ22W).

a. PCN SE515-21Ø-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of cards in error

e. Number of copies determined by Study MET

f. Study MET

3.4.4.7 Data Collection Subsystem Report Initiator (AQQ31P).

a. PCN SE515-279-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Two-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.8 Operational Audit Worksheet (AQQ32P).

a. PCN SE515-222-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Ten-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.9 Operational Audit Data (AQQ32Q).

a. PCN SE515-255-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Five-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.1Ø Operational Audit Record (AQQ32S).

a. PCN SE515-275-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Five-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.11 Work Sample Data Collection Record (AQQ33M).

a. PCN SE515-221-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Five-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.12 Work Center Productivity Record (AQQ33N).

a. PCN SE515-241-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Three-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.13 Work Sampling Record - Daily (AQQ33O).

a. PCN SE515-251-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Three-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.14 Work Sampling Record Category Computations (AQQ33P).

a. PCN SE515-252-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Three-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.15 Time Study Worksheet (AQQ34S).

a. PCN SE515-223-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.16 Time Study Data Report (AQQ34P).

a. PCN SE515-257-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One-page volume

e. Number of copies determined by Study MET

3.4.4.17 Time Study Data Summary (AQQ34R).

a. PCN SE515-278-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.18 Shift Profile Data Collection Record (AQQ35N).

a. PCN SE515-242-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Two-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.19 Shift Profile Transaction Report (AQQ35O).

a. PCN SE515-243-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.2Ø Manhour/Shift Profile Analysis (AQQ35P).

a. PCN SE515-244-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.21 Workload Factors (AQQ36P).

a. PCN SE515-253-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Ten-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.22 Standard Input Data Computation (AQQ37P).

a. PCN SE515-271-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Five-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.4.23 Output Control (AQQ29P).

a. PCN SE515-214-XX

b. Unclassified security; no privacy

c. Hardcopy

d. One-page volume

e. Number of copies determined by Study MET

f. Study MET

3.4.5 Reproduced Output Reports. Report reproduction is determined locally.

3.4.6 Restart/Recovery Procedures. Purge any output AQQ files created, and rerun the program series that was in process when System Failure occurred.

3.5 Run Description (Run 3 - LTAS). Reference AF Forms 2071 in attachments 3-1 and 3-2 for detailed information needed to run the subsystem programs.

3.5.1 Control Inputs.

a. This deck setup is used to merge the Study METs' Measurement Files (AQQD**) into an Analysis File (AQQL**):

```
?EXECUTE NQQ4ØØ
?DATA AQQ4ØC
(Analysis Merge Card PCN SE515-415)
?END
```

b. This deck setup is used to obtain analysis of the Lead Team Measurement File:

```
?EXECUTE NQQ41Ø
?DATA AQQ41C
(LTAS Control Card  PCN SE515-416)
?END
```

3.5.2 Management Information.

a. Run 3 - LTAS

b. Peripheral equipment required: card reader, line printer, two tape drives

c. Security of run is unclassified

d. Run initiated by Lead MET as required

e. Run time is estimated at under five minutes

f. Required turnaround time is not applicable

g. No waivers from operational standards

h. Contact the Lead MET Chief for problems experienced with run.

3.5.3 Input-Output Files.

3.5.3.1 Measurement File (AQQD**).

a. Unclassified security; no privacy

b. Magnetic Tape

c. Retention determined by Lead MET

d. Library

3.5.3.2 Analysis Merge File (AQQ4ØC).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Lead MET

d. Lead MET

3.5.3.3 Analysis File (AQQL**).

a. Unclassified security; no privacy

b. Magnetic Tape

c. Retention determined by Lead MET

d. Library

3.5.3.4 Selection File (AQQ41C).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Lead MET

d. Lead MET

3.5.3.5 Regression Analysis Program (RAP) Cards (AQQ41J).

a. Unclassified security; no privacy

b. Card

c. Retention determined by Lead MET

d. Lead MET

3.5.4 Output Reports.

3.5.4.1 Lead Team Analysis Report (AQQ41P).

a. PCN SE515-4Ø7-XX

b. Unclassified security; no privacy

c. Hardcopy

d. Volume dependent on number of input requests

e. Number of copies determined by Lead MET

f. Lead MET

3.5.5 Reproduced Output Reports. Report reproduction is determined locally.

3.5.6 Restart/Recovery Procedures. Purge any output AQQ files created, and rerun the program running when System Fialure occurred.

SUMMARY OF CHANGES
This manual has been changed from microfiche format to hardcopy format. Content of the manual has not been changed.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

LEW ALLEN, JR., General, USAF
Chief of Staff

VAN L. CRAWFORD, JR., Colonel, USAF
Director of Administration

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	WORK CENTER DESCRIPTION SUBSYSTEM (WORDS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ11Ø	———		I	C	U	AQQ11C			SPECIAL INSTRUCTIONS NQQ11Ø will ZIP execute one of the programs listed depending on the contents of AQQ11C. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Purge all AQQ1/ and AQQ3/Disk Files and reexecute. PROGRAM ABORT. No programmed aborts.
	NQQ12Ø		O	DO	U	AQQ11J	NQQ13Ø		
	NQQ13Ø		O	DO	U	AQQ11B	NQQ12Ø		
	NQQ14Ø		O	DO	U	AQQ11K	NQQ13Ø		
			O	DO	U	AQQ11A	NQQ15Ø		
			O	LO	U	AQQ11P			
			O	L	U	AQQ11R			
NQQ12Ø	NQQ11Ø	1	O	TW	U	AQQ12C	NQQ15Ø		SPECIAL INSTRUCTIONS Program NQQ12Ø is ZIP executed if the DESC File (AQQW**) is to be built. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Purge AQQ1/Disk File and reexecute NQQ11Ø. PROGRAM ABORT. No programmed aborts.
	NQQ15Ø		I	D	U	AQQ11B	Purged		
NQQ13Ø	NQQ11Ø	2							SPECIAL INSTRUCTIONS Program NQQ13Ø is ZIP executed if the DESC-File (AQQW**) is to be updated. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Purge AQQ1/Disk Files and reexecute NQQ11Ø. PROGRAM ABORT. No programmed aborts.
	NQQ15Ø		I	D	U	AQQ11J	Purged		
			I	T	U	AQQW**	Library		
			I	D	U	AQQ11K	Purged		
			O	TW	U	AQQ12C	NQQ15Ø		
			O	LO	U	AQQ13P			

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	WORK CENTER DESCRIPTION SUBSYSTEM (WORDS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ15Ø	NQQ12Ø NQQ13Ø	2	I	D	U	AQQ11A	NQQ14Ø		RERUN/RECOVERY
			I	T	U	AQQ12C	Purged		HARDWARE/SOFTWARE FAILURE. Purge all AQQ1/ Disk Files and reexecute NQQ11Ø.
	NQQ14Ø		Ø	L	U	AQQ15P			
			Ø	T	U	AQQW**	NQQ14Ø	999d	PROGRAM ABORT. No programmed aborts.
NQQ14Ø	NQQ11Ø NQQ15Ø	1	I	D	U	AQQ11A	Purged		SPECIAL INSTRUCTIONS Execution depends on AQQ11A (Control File) being present to determine type of report(s) required. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. If AQQ11A is present on disk, reexecute NQQ14Ø; otherwise purge all AQQ1/Disk Files and reexecute NQQ11Ø. PROGRAM ABORT. No programmed aborts.
			I	T	U	AQQW**	Library		
			Ø	L	U	AQQ14R			
			Ø	L	U	AQQ14P			

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	WORK CENTER DESCRIPTION SUBSYSTEM (WORDS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	METHOD	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ51Ø		2	I	C	U	AQQ51C			RERUN/RECOVERY
	NQQ15Ø		I	T	U	AQQW**	Library		
			O	T	U	AQQ12C	NQQ15Ø		HARDWARE/SOFTWARE FAILURE. Purge all AQQ/ files and reexecute.
			O	D	U	AQQ11A	NQQ15Ø		
			O	L	U	AQQ51P			PROGRAM ABORT:
			O	DW	U	AQQ51D	Purged		"--DSED Bad Input Tape" "--DSED Error on AQQ51D" "--DSED Errors on Input Tape" "--DSED Invalid Key Read/Write" "--DSED No Valid Transactions" "--DSED Too Many FACs" "--DSED UCC Error" Return input and output AQQ51P to OPR.
NQQ15Ø	NQQ51Ø	2	I	T	U	AQQ12C	Purged		SPECIAL INSTRUCTIONS
			I	D	U	AQQ11A	Purged		
			O	L	U	AQQ15P			NQQ15Ø will create from one to 40 tapes labeled AQQnnX where nn represents a number from one to 99.
			O	T	U	AQQnnX	Library	999d	
									RERUN/RECOVERY
									HARDWARE/SOFTWARE FAILURE. If AQQ11A is present on disk, reexecute NQQ15Ø; otherwise, reexecute NQQ51Ø.
									PROGRAM ABORT. No programmed aborts.

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	WORK CENTER DESCRIPTION SUBSYSTEM (WORDS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ52Ø	NQQ14Ø NQQ31Ø	2	I	C	U	AQQ52C		999d	SPECIAL INSTRUCTIONS Value 1 = 000000 create MSMT-File (AQQD**) and ZIP NQQ14Ø and NQQ13Ø. Value 1 = 100000 do not create MSMT-File - ZIP NQQ14Ø to process the AQQnnX file. Value 1 = 200000 create MSMT-File (AQQD**). Do not ZIP NQQ14Ø. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Reexecute. PROGRAM ABORT. "--DSED. Missing control card." Return card input to OPR for corrections.
			0	TO	U	AQQD**	Library		
			I	T	U	AQQnnX	NQQ14Ø		
			0	DO	U	AQQ11A	NQQ14Ø		
			0	DO	U	AQQ21A	NQQ31Ø		
			0	DO	U	AQQ2ØB	NQQ31Ø		
			0	DO	U	AQQ2ØA	NQQ31Ø		
			0	DO	U	AQQ2ØD	NQQ31Ø		
			0	DO	U	AQQ2ØE	NQQ31Ø		
			0	DO	U	AQQ2ØF	NQQ31Ø		
NQQ14Ø	NQQ52Ø	1	I	T	U	AQQnnX	Library		RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. If AQQ11A is present on disk, reexecute NQQ14Ø; otherwise, reexecute NQQ52Ø. PROGRAM ABORT. No programmed aborts.
			I	D	U	AQQ11A	Purged		
			0	L	U	AQQ14R			
			0	L	U	AQQ14P			

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	DATA COLLECTION SUBSYSTEM (DACS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	ACCESS	FILE	SPECIFICATION	RETENTION	REMARKS
NQQ21Ø	NQQ2ØØ	1	I	C	U	AQQ21C			SPECIAL INSTRUCTIONS If acceptable transactions are found, program NQQ22Ø will be ZIPPED; otherwise, NQQ31Ø will be ZIPPED by NQQ2ØØ. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Remove disk file AQQ21D, destroy print file AQQ21P, reexecute program. PROGRAM ABORT. "--DSED all input data rejected." "--DSED no records in Control File." "--DSED UCC ERROR." Return input to OPR.
			I	T	U	AQQD**	NQQ2ØØ		
			IO	D	U	AQQ21A	NQQ21Ø		
			O	D	U	AQQ21D	NQQ22Ø		
			O	LO	U	AQQ21P			
NQQ2ØØ	NQQ21Ø NQQ22Ø NQQ31Ø	1	I	T	U	AQQD**	Library		SPECIAL INSTRUCTIONS Value 1 = 100000 to restart in the event the Data Collection Files may have been destroyed. Control File (AQQ21A) and HDR-File (AQQ2ØB) not reloaded. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Purge all AQQ/files and reexecute NQQ21Ø. PROGRAM ABORT. No programmed aborts.
			IO	D	U	AQQ21A	NQQ31Ø		
			O	D	U	AQQ2ØB	NQQ32Ø		
			O	D	U	AQQ2ØA	NQQ22Ø		
			O	D	U	AQQ2ØD	NQQ22Ø		
			O	D	U	AQQ2ØE	NQQ22Ø		
			O	D	U	AQQ2ØF	NQQ22Ø		
			O	D	U	AQQ32A	NQQ37Ø		
			O	D	U	AQQ32B	NQQ37Ø		
			O	D	U	AQQ33A	NQQ37Ø		
			O	D	U	AQQ34A	NQQ37Ø		
			O	L	U	AQQ2ØP			

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	DATA COLLECTION SUBSYSTEM (DACS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ22Ø	NQQ2ØØ NQQ31Ø		I IO IO IO IO O O	D D D D D L L	U U U U U U U	AQQ21D AQQ2ØA AQQ2ØD AQQ2ØE AQQ2ØF AQQ22P AQQ22W	Purged NQQ36Ø NQQ32Ø NQQ33Ø NQQ35Ø		RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Remove all AQQ files except AQQ21A, AQQ21D, and AQQ2ØB. Execute NQQ2ØØ VA 1 = 100000 with AQDD** input tape. If file AQQ21A, AQQ21D, or AQQ2ØB is lost, remove all AQQ disk files and reexecute NQQ21Ø with original input. PROGRAM ABORT. No programmed aborts.
NQQ31Ø	NQQ2ØØ NQQ22Ø NQQ52Ø NQQ32Ø NQQ33Ø NQQ34Ø NQQ35Ø NQQ36Ø NQQ37Ø NQQ29Ø		I O	D L	U U	AQQ21A AQQ31P	NQQ32Ø		SPECIAL INSTRUCTIONS This program will ZIP execute one of the programs listed depending on the contents of the Control File (AQQ21A). RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files, execute NQQ21O with original input. Destroy any output previously created. PROGRAM ABORT. No programmed abort.

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	DATA COLLECTION SUBSYSTEM (DACS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ33Ø	NQQ31Ø		I	D	U	AQQ21A	NQQ32Ø		SPECIAL INSTRUCTIONS
	NQQ32Ø								NQQ33Ø will ZIP execute NQP32Ø, NQP34Ø, NQQ35Ø, NQQ36Ø, NQQ37Ø, or NQQ29Ø, depending on the report(s) requested in the Control File (AQQ21A).
	NQQ34Ø		I	D	U	AQQ2ØB	NQQ32Ø		
	NQQ35Ø		I	D	U	AQQ2ØD	NQQ32Ø		RERUN/RECOVERY
	NQQ36Ø		I	D	U	AQQ2ØE	NQQ29Ø		
	NQQ37Ø		0	LO	U	AQQ33N			HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files, execute NQQ21Ø with original input. Destroy any output previously created.
	NQQ29Ø		0	LO	U	AQQ33M			
			0	LO	U	AQQ33O			PROGRAM ABORT. No programmed aborts.
			0	LO	U	AQQ33P			
			0	DO	U	AQQ33A	NQQ37Ø		
NQQ32Ø	NQQ31Ø		I	D	U	AQQ21A	NQQ34Ø		SPECIAL INSTRUCTIONS
	NQQ33Ø								This program will ZIP execute one of the programs listed depending on the reports(s) requested in the Control File (AQQ21A).
			I	D	U	AQQ2ØB	NQQ34Ø		
	NQQ34Ø		I	D	U	AQQ2ØD	NQQ34Ø		RERUN/RECOVERY
	NQQ35Ø								
	NQQ36Ø		0	LO	U	AQQ32P			HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files, execute NQQ21Ø with original input. Destroy any output previously created.
	NQQ37Ø		0	LO	U	AQQ32Q			
	NQQ29Ø		0	LO	U	AQQ32S			PROGRAM ABORT. No programmed aborts.
			0	DO	U	AQQ32A	NQQ37Ø		
			0	DO	U	AQQ32B	NQQ37Ø		

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	DATA COLLECTION SUBSYSTEM (DACS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	FILE DISPOSITION	RETENTION	REMARKS
NQQ34Ø	NQQ31Ø		I	D	U	AQQ2ØB	NQQ35Ø		SPECIAL INSTRUCTIONS
	NQQ32Ø		I	D	U	AQQ2ØD	NQQ29Ø		
	NQQ33Ø		I	D	U	AQQ21A	NQQ35Ø		NQQ34Ø will ZIP execute NQQ35Ø, NQQ36Ø, NQQ37Ø, or NQQ29Ø depending on report(s) requested in the Control File (AQQ21A).
	NQQ35Ø		O	DO	U	AQQ34A	NQQ37Ø		RERUN/RECOVERY
	NQQ36Ø		O	LO	U	AQQ34P			HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files, execute NQQ21Ø with original input. Destroy any output previously created.
	NQQ37Ø		O	LO	U	AQQ34R			
	NQQ29Ø		O	LO	U	AQQ34S			PROGRAM ABORT. No programmed aborts.
NQQ35Ø	NQQ31Ø		I	D	U	AQQ2ØF			SPECIAL INSTRUCTIONS
	NQQ32Ø		I	D	U	AQQ2ØB			NQQ35Ø will ZIP execute NQQ36Ø, NQQ37Ø, or NQQ29Ø depending on the report(s) requested in the Control File (AQQ21A).
	NQQ33Ø		I	D	U	AQQ21A			
	NQQ34Ø								RERUN/RECOVERY
	NQQ36Ø		O	LO	U	AQQ35N			HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files, execute NQQ21Ø with original input. Destroy any output previously created.
	NQQ37Ø		O	LO	U	AQQ35O			
	NQQ29Ø		O	LO	U	AQQ35P			PROGRAM ABORT. No programmed aborts.

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	DATA COLLECTION SUBSYSTEM (DACS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ360	NQQ310		I	D	U	AQQ21A	NQQ370		SPECIAL INSTRUCTIONS
	NQQ320		I	D	U	AQQ20B	NQQ370		NQQ360 will ZIP execute NQQ370 or NQQ290 depending on the report(s) requested in the Control File (AQQ21A).
	NQQ330		I	D	U	AQQ20A	NQQ290		
	NQQ340		O	L	U	AQQ36P			RERUN/RECOVERY
	NQQ350								HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files; execute NQQ210 with original input. Destroy any output previously created.
	NQQ370								
	NQQ290								PROGRAM ABORT. No programmed aborts.
NQQ370	NQQ310		I	D	U	AQQ20D	NQQ290		SPECIAL INSTRUCTIONS
	NQQ320		I	D	U	AQQ20B	NQQ290		NQQ370 will ZIP execute NQQ290.
	NQQ330		I	D	U	AQQ32A	NQQ290		
	NQQ340								RERUN/RECOVERY
	NQQ350		I	D	U	AQQ32B	NQQ290		HARDWARE/SOFTWARE FAILURE. Purge all AQQ disk files; execute NQQ210 with original input. Destroy any output previously created.
	NQQ360		I	D	U	AQQ33A	NQQ290		
			I	D	U	AQQ34A	NQQ290		
	NQQ290		I	D	U	AQQ21A	NQQ290		PROGRAM ABORT. No programmed aborts.
			O	L	U	AQQ37P			

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	DATA COLLECTION SUBSYSTEM (DACS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ290	NQQ310	1	I	D	U	AQQ21A	Purge		SPECIAL INSTRUCTIONS
	NQQ320		I	D	U	AQQ20A	Purge		
	NQQ330		I	D	U	AQQ20B	Purge		This program will be executed by one of the programs listed depending on the Control File (AQQ21A). Creation of output tape AQQD** is programmatically controlled.
	NQQ340		I	D	U	AQQ20D	Purge		
	NQQ350		I	D	U	AQQ20E	Purge		
	NQQ360		I	D	U	AQQ20F	Purge		
	NQQ370		I	D	U	AQQ32A	Purge		
			I	D	U	AQQ32B	Purge		RERUN/RECOVERY
			I	D	U	AQQ33A	Purge		
			I	D	U	AQQ34A	Purge		
			O	TO	U	AQQD**	Library	999d	HARDWARE/SOFTWARE FAILURE. In the event of parity errors on output tape and if disk files are not affected, reexecute NQQ290 from SPO. Otherwise, purge all AQQ disk files, execute NQQ210 with original input. Destroy any output previously created.
			O	L	U	AQQ29P			
									PROGRAM ABORT. No programmed aborts.

AF FORM 2071 JUL 73

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	LEAD TEAM ANALYSIS SUBSYSTEM (LTAS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I O	MEDIUM	CLASS	FILE	DISPOSITION	RETENTION	REMARKS
NQQ400		2	I I O I	C T T TO	U U U U	AQQ40C AQQD** AQQL** AQQL**	 Library Library Library	60d	SPECIAL INSTRUCTIONS Program NQQ400 will call for several AQQD** tapes to merge; order of input does not matter but if program reads the same tape in twice, it will DS. RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Reexecute. PROGRAM ABORT. "--DSED INPUT FILE PREVIOUSLY MERGED" Reexecute using correct tapes. "--DSED ERRORS IN SUMMARIES" "--DSED FAC ERROR" "--DSED FILE ERROR" "--DSED MERGED TAPES WILL EXCEED 40" "--DSED PAS TABLE ERROR" "--DSED TOO MANY MANHOURS" "--DSED DISK FILE ERROR" "--DSED USER CONTROL CARD ERROR" Return all input and output to OPR for correction.

AF FORM 2071

B3500 SYSTEM SUMMARY

CHAPTER	SUBSYSTEM TITLE	FREQUENCY
	LEAD TEAM ANALYSIS SUBSYSTEM (LTAS)	AS REQUIRED

PROGRAM ID (Core Size)	PROGRAM EXECUTED FROM / TO	NO. TAPE UNITS	I/O	MEDIUM	CLASS	FILE ID	DISPOSITION	RETENTION	REMARKS
NQQ41Ø		1	I I O O	C T L CO		AQQ41C AQQL** AQQ41P AQQ41J	Library		RERUN/RECOVERY HARDWARE/SOFTWARE FAILURE. Reexecute. PROGRAM ABORT. "--DSED FILE ERROR" "--DSED DUPE WL RECORDS" "--DSED INVALID KEY AQQ--" "--DSED INVALID READ" "--MISSING CONTROL CARD" "--NO GOOD TRANS" "--NO UCC" "--UCC ERROR" "--USER CONTROL ERROR" "--WL DATA SIZE ERROR" Return input and output to OPR for correction.

AU GAFS AL/78035I-1050

AF FORM 2071 JUL 73

* Chapter 9

MCP "LOADMP" TAPE FORMAT

9-1 GENERAL. Reserved.

9-2 LOADMP (MCP) "SYSTEM" TAPES. The tape file, which may be multi-reel, consists of a single logical tape file. The file is written in odd parity and, for 7-track tape, no translation. Within the file are four types of records, each of different length. As many as 10000 disk files may be contained in a single library tape file. (Note: Reference is made below to an "expanded" format of identifiers and data. The expansion is done by moving the data UN to UA, thus inserting an undigit F in every other digit. This is necessary to allow the full character set to be written to 7-track tape.)

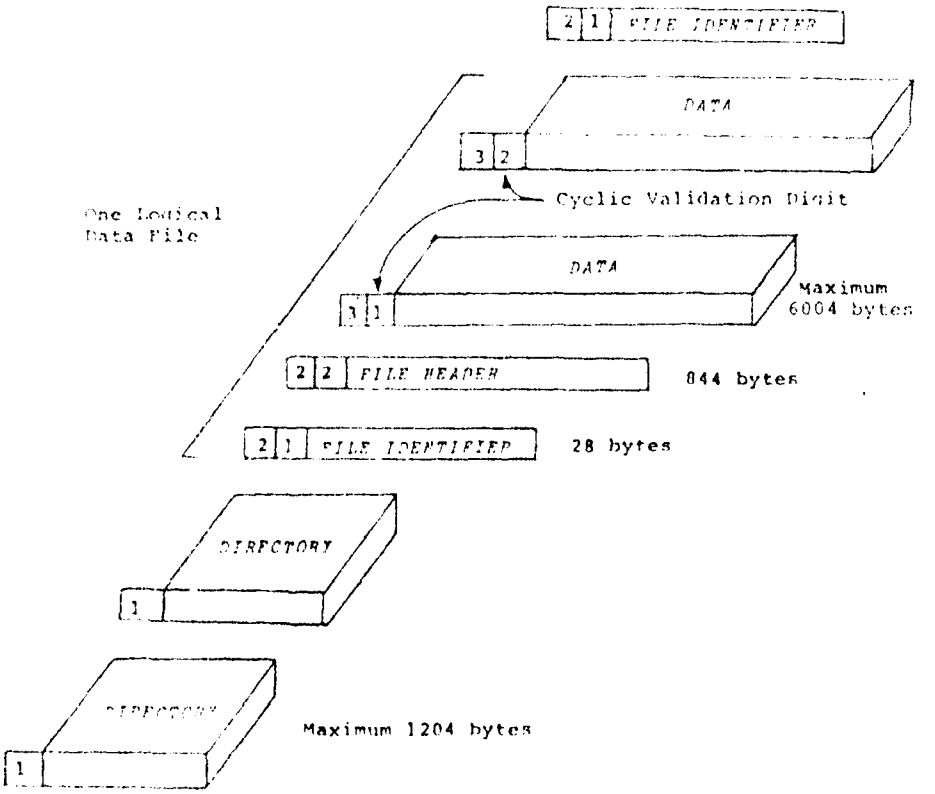

Figure 9-1. LOADMP (MCP) "SYSTEM" Tape Format

9-3"SYSTEM" TAPE LABEL. The file-ID is always "FILE" and byte 8 of the multifile-ID contains a code, specifying the library format type ("5" for tapes created by MCPV).

9-4 DIRECTORY BLOCK. The first records on the tape are the DIRECTORY blocks which contain the names, in order, of the files on the SYSTEM tape. The record is 1204 bytes long in the following format:

LABEL	POSITION	LENGTH	CONTENTS
S0-TYP	0	1UA	RECORD TYPE (=1)
S0-ID#	1-3	3UA	NUMBER OF FILE NAMES (001-100) IN THE RECORD
S0-FID	4-15	12UA	FIRST FILE IDENTIFIER (expanded)
	16+	12UA+	UP TO 99 MORE IDENTIFIERS (expanded)

Sufficient directory blocks are written to contain the names of all the disk files on the SYSTEM tape.

9-5 FILE IDENTIFIER BLOCK. A File Identifier Block precedes the data for each disk file on the SYSTEM tape. This block is 24 bytes long in the following format:

LABEL	POSITION	LENGTH	CONTENTS
S2-TYP	0	1UA	RECORD TYPE (=2)
S2-SUB	1	1UA	RECORD SUBTYPE (=1)
	2-3	2UA	CONSTANT "00"
S2-FID	4-15	12UA	FILE IDENTIFIER (expanded)
	16	1UA	CONSTANT "9"
S2DSS#	17	1UA	DISK FILE SUBSYSTEM# (0-3)
S2SEGS	18-23	10UA	NUMBER OF DISK SEGMENTS IN THE FILE (expanded)

9-6 FILE HEADER BLOCK. Following the FILE IDENTIFIER BLOCK for each disk file on the SYSTEM tape is a FILE HEADER RECORD. This record is 844 bytes long in the following format:

LABEL	POSITION	LENGTH	CONTENTS
S2-TYP	0	1UA	RECORD TYPE (=2)
S2-SUB	1	1UA	RECORD SUBTYPE (=2)
	2-3	2UA	CONSTANT "00"
S2-HDP	4-843	840UA	DISK FILE HEADER (expanded)

9-7 DATA BLOCK. The contents of the disk file is written in successive tape blocks following the FILE HEADER BLOCK. Each block, which may vary from 104 to 6004 bytes, contains an integral number of disk segments (expanded format on 7-track tape). The maximum block size is constrained by the user's Cold Start LOADMP declaration. Short blocks are written if the amount of data to be written is less than the maximum block size. (This may occur at the end of a disk area and/or at the end of a logical file.)

LABEL	POSITION	LENGTH	CONTENTS
S3-TYP	0	1UA	RECORD TYPE (=3)
S3-CHK	1	1UA	SEQUENTIAL BLOCK NUMBER - "1" to "9" Used to detect block sequence errors; cycles from 1 to 9, 1 to 9, etc.
S3POS	2-3	2UA	NUMBER OF DISK SEGMENTS IN THIS BLOCK (01 -60) For 7-track SYSTEM tapes, this will be a value from one to the value specified in the Cold Start LOADMP card (maximum 30). For 9-track SYSTEM tapes, values from one to twice the value specified in the Cold Start LOADMP card will occur (maximum 60).
S4DATA	4+	100UA+	CONTENTS OF DATA FILE 7-track expanded, minimum size 200 bytes