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**National Police Infrastructure Analysis Subsystem (NPIASS) I & II
Greenbook and Gazetteer Files**

RG 349 Records of the Joint Commands

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In creating the reference copy of the documentation package, NARA staff have selected from the technical and/or supplementary documentation available for this series or file(s). We have annotated or highlighted the table of contents that follows to indicate which portions of the full documentation for this series or file are included in this reference copy of documentation. Any materials not included here are available upon request. Any user notes prepared after the table of contents was prepared appear before the table of contents. This documentation will differ in structure, organization and contents from technical documentation for other series or files of accessioned electronic records. The readability and visual quality are also variable.



**Supplementary User Note
Format of the Gazetteer Files**

**National Police Infrastructure Analysis Subsystem (NPIASS) I & II:
Hamlet Evaluation System (HES) Gazetteer Files**

**Reallocated to Records of the U.S. Forces in Southeast Asia, 1950-1975
Record Group 472**

NN3-349-79-002

The Hamlet Evaluation System Niet Cong Infrastructure (HESNCI) Gazetteer, HES Gazetteer, and HES Gazetteer Source files are preserved in EBCDIC as fixed-length records. NARA staff has been able to covert the EBCDIC files into ASCII format and make those available to researchers. However, because of age of these files and known issues with other related Vietnam War Department of Defense data systems, discrepancies could exist in the ASCII files. The HES Gazetteer Source and the HESNCI Gazetteer files are known to contain some non-standard characters (binary).

Date: October 1, 2018

Prepared by: Electronic Records Division, Reference Branch (RDER)

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Supplementary User Note Relationship between Gazetteer Files with other Hamlet Evaluation System Files

National Police Infrastructure Analysis Subsystem (NPIASS) I & II:
Hamlet Evaluation System (HES) Gazetteer Files
NN3-349-79-002

Reallocated to Records of the U.S. Forces in Southeast Asia, 1950-1975 (Record Group 472)

When staff initially processed several of the Hamlet Evaluation System files, such as the Hamlet Evaluation System 1970 (HES70), Hamlet Evaluation System 1971 (HES71), and Vietnam Special Studies Group (VSSG), they noted the records contain the coded fields Corps (or Corps Region), Province, District, Village, and/or Hamlet, but in most cases only meanings for the Corps Region and Province codes were available. The records in the HES files also include UTM coordinates. Several years after receiving the HES files, the National Archives received three HES gazetteer files, Hamlet Evaluation System/Viet Cong Infrastructure (HES/VCI) Gazetteer, HES Gazetteer, and HES Gazetteer Source files, as part of the National Police Infrastructure Analysis Subsystem (NPIASS) I & II series. The records in the gazetteer files include Corps Region, Province, District, Village, and/or Hamlet coded fields (which also makes up the United States Identification Number (USID number)); corresponding Province, District, Village, and/or Hamlet name fields; population numbers; ratings; and UTM coordinates.

According to the *Hamlet Evaluation System (HES) Command Manual*:

The HES Gazetteer was designed to provide an unclassified directory of hamlets and villages in RVN. The Gazetteer provides basic descriptive data for all hamlets and villages in the country that are included in HES. Data elements included are hamlet or village name, UTM coordinates, USID number, population by type, and the Administrative ID number. . .

The HES Gazetteer is widely used . . . as a source of information on individual hamlet locations and population. HES is the primary source of geographic data on RVN and, as such, provides much of the basic data for other MACCORDS automated systems and other monitoring systems. The Gazetteer provides the primary identification numbers for all geopolitical levels as well as geographic coordinates.¹

These statements indicate that the HES gazetteer files can be used in conjunction with the other HES files, along with other MACCORDS systems, and suggest that the HES gazetteer files are a possible source for the meanings for the District, Village, and Hamlet codes (USID number). In this regard, staff did a very cursory comparison of the UTM coordinates fields and the Corps Region, Province, District, Village, and/or Hamlet coded fields in about 20 records from the various HES files and the corresponding coded, name, and UTM coordinates fields in the HES gazetteer files. The staff's findings are as follows:

¹ Civil Operations and Rural Development Support, Research and Analysis Directorate, *Hamlet Evaluation System (HES) Command Manual*, Document No. DAR R70-79 CM-01B, Military Assistance Command Vietnam, 1 September 1971, pages 25 and 29, respectively. The *HES Command Manual* is available as supplementary documentation.

- In most cases the Province, District, Village, and/or Hamlet codes (USID number) and corresponding names, and UTM coordinates listed in the three gazetteer files are consistent with each other. In a few cases, there are codes, names, and UTM coordinates listed in only one or two of the gazetteer files. So while in general the codes, names, and UTM coordinates listed in the records may be consistent in all three files, the files do not contain all of the same records, which is confirmed by the differing record counts for each gazetteer file.
- The HES/VCJ Gazetteer and HES Gazetteer Source files list the corresponding GVN Province, District, and Hamlet names, and VC Province, District, and Village names for the USID number. Although, in some cases, no VC names are listed.
- The Corps Region and Province codes and names included in the technical documentation for some of the HES files match the Corps Region and Province codes and names listed in the HES gazetteer files.
- In general, the Corps Region, Province, District, Village, and/or Hamlet codes and UTM coordinates listed in the gazetteer files match the codes and UTM coordinates listed in the HES70, HES71, and VSSG files.
- The Hamlet Evaluation System Files (HAML A) 1967-1969 also contain the coded fields Country (or Corps Region), Province, District, Village, and/or Hamlet (USID number), but also fields with the corresponding Village and Hamlet names. In general, the codes and names listed in the HAML A records match the codes and names listed in the gazetteer files. However, the UTM coordinates do not match.

Therefore, researchers working with the HES files who are interested in obtaining the meanings (names) for the Province, District, Village, and/or Hamlet codes (USID number) may wish to consult the HES gazetteer files as possible sources for the code meanings. Other Department of Defense Vietnam War-related data files in NARA's custody, such as the People's Self-Defense Force Management Information System (PSDF/MIS), may also contain USID numbers, corresponding names, UTM coordinates, and/or information extracted from HES.

Lastly, there are some questions regarding the UTM coordinates listed in some of the HES files. In the early 1990s, two researchers reported that the UTM coordinates in the HAML A files were insufficient for their purposes because the records did not identify the particular map sheet on which each hamlet or village appeared. The researchers indicated that three different UTM map sheets covered the Republic of Vietnam and there is a 5° overlap in the UTM map sheets. They also mentioned that in the course of their research, they discovered that at some point the UTM coordinates in the HES Gazetteer had been transformed to latitude-longitude coordinates. The available record layouts for the HES gazetteer files do not include fields for latitude-longitude coordinates nor do the sample dumps for the HES gazetteer files show latitude-longitude coordinates data. The HES gazetteer files in NARA's custody appear to only contain UTM coordinates.

Lynn Goodsell, Archives Specialist
Electronic and Special Media Records Services Division (NWME)
July 27, 2007

Table 2 - Province Code List

	<u>PROV CODE</u>	<u>PROVINCE NAME</u>
I Corps	01	Quang Tri
	02	Thua Thien
	03	Quang Nam
	04	Quang Tin
	05	Quang Ngai
	* 91	Hue
	92	Da Nang
II Corps	06	Kontum
	07	Binh Dinh
	08	Pleiku
	09	Phy Bon
	10	Phy Yen
	11	Darlac
	12	Khnanh Hoa
	13	Ninh Thuan
	14	Tuyen Duc
	15	Quang Duc
	16	Lam Dong
	17	Binh Thuan
	93	Cam Ranh
	94	Dalat
III Corps	18	Binh Tuy
	19	Long Khanh
	21	Phuoc Long
	22	Binh Long
	23	Binh Duong
	24	Tay Ninh
	25	Hau Nghia
	26	Bien Hoa
	27	Phuoc Tuy
	28	Long An
	29	Gia Dinh
	95	Vung Tau
	96	Saigon
IV Corps	30	Go Cong
	31	Kien Tuong
	32	Kien Phong
	33	Dinh Tuong
	34	Kien Hoa
	35	Vinh Binh
	36	Vinh Long
	37	An Giang

<u>PROV CODE</u>	<u>PROVINCE NAME</u>
38	Kien Giang
39	Chuong Thien
40	Phong Dinh
41	Ba Xuyen
42	An Xuyen
43	Bac Lieu
44	Chau Doc
46	Sa Dec



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List of Reference Documentation

National Police Infrastructure Analysis Subsystem (NPIASS) I & II

Greenbook and Gazetteer Files

NN3-349-79-002

Records of the Joint Commands (Record Group 349)

<u>NARA Documentation</u>	<u>Number of Pages</u>
List of Reference Documentation.....	1
Note on Reference Documentation	1
Supplementary User Note on Greenbook Datafile & Documentation	1
Supplementary User Note on Gazetteer Datafiles & Documentation	1
NPIASS-II Greenbook Record Layout	1
NPIASS-II – HES/VCI Gazetteer Record Layout	2

Agency Documentation

“National Police Infrastructure Analysis Subsystem-II (NPIASS-II) Monthly Neutralization Summary Reports,” November 1972, manual title page and extract of Greenbook record layout.....	2
“National Police Infrastructure Analysis Subsystem-II (NPIASS-II) VCI Organizational Profile Report,” November 1972, entire manual	41
“Hamlet Evaluation System (HES) Program R7119P, HES Gazetteer File,” July 1972, entire manual	22
“Hamlet Evaluation System (HES),” September 1971, manual title page and extract of sample report and glossary	7
Total: 79	

<u>Supplementary Documentation</u> (available upon request)	<u>Number of Pages</u>
“National Police Infrastructure Analysis Subsystem-II (NPIASS-II) Monthly Neutralization Summary Reports,” November 1972, entire manual	49
“Hamlet Evaluation System (HES),” September 1971, entire manual (part of the HES documentation, accession NN3-349-81-001).....	117
“National Police Infrastructure Analysis Subsystem-I (NPIASS-I) Operations Manual,” November 1972, entire manual.....	78
“National Police Infrastructure Analysis Subsystem-I (NPIASS-I) Program Maintenance Manual,” January 1973, entire manual	83
Various other related program manuals & files.....	varies

<u>NARA Processing Materials</u> (available upon request)	<u>Number of Pages</u>
Sample Printout of Greenbook File	2
Sample Printout of HES/VCI Gazetteer File	2



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Note on Reference Documentation

National Police Infrastructure Analysis Subsystem (NPIASS) I & II
Greenbook and Gazetteer Files
NN3-349-79-002
Records of the Joint Commands (Record Group 349)

This documentation package contains technical information for the National Police Infrastructure Analysis Subsystem (NPIASS) Greenbook, Hamlet Evaluation System/VietCong Infrastructure (HES/VCI) Gazetteer, HES Gazetteer, and HES Gazetteer Source datafiles used with the National Police Infrastructure Analysis Subsystem (NPIASS) I & II. Please note that none of these files has been fully processed by NARA staff, but staff have sufficiently processed the materials to identify and assemble what seems to be the pertinent technical information for using these datafiles. All additional materials transferred to NARA as part of this accession are available for review upon request.

The reference documentation includes record layouts and user notes prepared by the National Archives and Records Administration (NARA) and record layouts and program manuals used by the Military Assistance Command, Vietnam (MACV). For some of the files there may be multiple and differing record layouts. However, an analysis of the sample printouts for each of the files suggests which record layout seems to be the most appropriate for that file (see the supplementary user notes for the files). The additional layouts have been included as they may contain additional information useful to the researcher.

There are few or no materials that elaborate on the definitions or meanings for some of the data or fields in the files. Staff have included extracts from or complete copies of MACV program manuals to provide a background on the use of the datafiles and as a possible source from which definitions or meanings for the data may be derived. In particular, the extracts from the "Hamlet Evaluation System (HES)" manual include a glossary with definitions of some of the terms used in the field titles.

Supplementary technical information for these datafiles is available. This additional technical information includes the program manuals from which some pages are included in this documentation package and the technical information for related data systems used by the Department of Defense during the Vietnam War, such as: the National Police Infrastructure Analysis Subsystem (NPIASS) I & II master files, Hamlet Evaluation System (HES) files, Phung Hoang Management Information System (PHMIS) files, National Police Evaluation System (NAPE) files and National Police Directory Table Subsystem (NPDTSS) files. Researchers may wish to review the supplementary technical information in our research room in College Park, Maryland, to determine which materials they need for using the datafiles.

Lynn Goodsell, Archives Specialist
Electronic and Special Media Records Services Division (NWME)
August 8, 2006



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Supplementary User Note on Greenbook Datafile & Documentation

National Police Infrastructure Analysis Subsystem (NPIASS) I & II
Greenbook and Gazetteer Files
NN3-349-79-002
Records of the Joint Commands (Record Group 349)

Greenbook Subject Matter

According to NARA staff notes found in the processing materials, an analysis of the file printout, and agency documentation, the Greenbook contains a table of all Viet Cong Infrastructure (VCI) political position codes, position titles, and reporting level indicators.

Greenbook Record Layouts

NARA staff processing notes and an analysis of the file printout indicate that the NARA-prepared Greenbook record layout is the most accurate layout for this file. However, there are some additional details about the Greenbook record layout not captured on the NARA-prepared record layout:

1. The data element or field "Element" (field location 5) contains data in only a few of the records. For the majority of the records, this field is blank.
2. In a few of the records, field location 8 (identified as blank on the record layout) contains the character "V."
3. The field locations 10-17 contain either "A"s, "B"s, or are blank.
4. The data element "Position Description" (field location 18-132) can be divided into three separate data elements as follows:

Data	Field	Class	
Element	Location	A/N	Size
Blank	18-19		2
Position Description in English	20-73	A	54
Position Description in Vietnamese	74-132	A	59

NARA staff currently does not have any additional definitions or meanings for the data in this file. The Greenbook record layout from the "National Police Infrastructure Analysis Subsystem-II (NPIASS-II) Monthly Neutralization Summary Reports" manual is included as additional information. Users may also wish to refer to the "National Police Infrastructure Analysis Subsystem-II (NPIASS-II) VCI Organizational Profile Report" manual for more details on the use of the Greenbook datafile.

Lynn Goodsell, Archives Specialist
Electronic and Special Media Records Services Division (NWME)
August 8, 2006



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Supplementary User Note on Gazetteer Files & Documentation

National Police Infrastructure Analysis Subsystem (NPIASS) I & II
Greenbook and Gazetteer Files
NN3-349-79-002
Records of the Joint Commands (Record Group 349)

Hamlet Evaluation System/Viet Cong Infrastructure (HES/VCI) Gazetteer and HES Gazetteer Source Record Layouts

NARA staff processing notes and an analysis of the file printout indicate that the NARA-prepared NPIASS II – HES/VCI Gazetteer record layout is the most accurate layout for both these files. However, staff noted that some of the records in the HES/VCI Gazetteer do not conform to the NARA-prepared record layout. The layouts in the “National Police Infrastructure Analysis Subsystem-II (NPIASS-II) VCI Organizational Profile Report” manual are included as additional information. Users may wish to refer to the “VCI Organizational Profile Report” manual for more details on the background and use of the Gazetteer files, along with the NPIASS-II master file, and the Greenbook file.

HES Gazetteer Record Layouts

An analysis of the file printout indicates that the output record layouts in the “Hamlet Evaluation System (HES) Program R7119P, HES Gazetteer File” manual are the most accurate layouts for the HES Gazetteer file. Staff noted that the file contains three different records, each corresponding to one of the output record layouts. Users may wish to refer to the “Hamlet Evaluation System (HES) Program R7119P, HES Gazetteer File” manual and the extracts from the “Hamlet Evaluation System (HES)” manual for more information on the use of the HES Gazetteer file.

Lynn Goodsell, Archives Specialist
Electronic and Special Media Records Services Division (NWME)
August 8, 2006 (revised December 28, 2009)

NARA-Prepared Record Layout

RECORD LAYOUT			1. PAGE 1 OF 1
2. DATA SET TITLE NPIASS-II GREENBOOK	3. ACCESSION NO. 3-349-79-002-D	4. RECORD LENGTH 132	5. DATE PREPARED 9-1-87
6. SYSTEM OR SERIES National Police Infrastructure Analysis Subsystem-II Greenbook		7. PREPARED BY Michael T. Meier NNSR	

8. DEFINITION									
LINE NO.	DATA ELEMENT	FIELD LOCATION	CLASS A/N	SIGN (If numeric)	SIZE	TYPE OF DATA STANDARD	REFERENCE		NOTE
							IDENT. AND PAGE	LINE NO.	
a.	b.	c.	d.	e.	f.	g.	h.	i.	j.
	ORGANIZATION CODE								
1	Organization	1	N		1				
2	Space	2			1				
3	Section	3	A		1				
4	Subsection	4	A		1				
5	Element	5	N		1				
6	Position	6-7	N		2				
7	Blank	8-9			2				
	VALID LEVELS FOR THIS POSITION								
8	A or Z	10			1				
9	A or R	11			1				
10	A or S	12			1				
11	A or P	13			1				
12	A or C	14			1				
13	A or D	15			1				
14	A or V	16			1				
15	A or H	17			1				
16	Position Description	18-132	A		114				

NARA-Prepared Record Layout

INPUT, OUTPUT, MASTER DEFINITION (Excluding Reports)				1. PAGE 1 OF 2	
2. NAME NPIASS II-HES/VCJ GAZETTEER		3. TYPE OF RECORD <input type="checkbox"/> INPUT <input type="checkbox"/> OUTPUT <input checked="" type="checkbox"/> MASTER		4. RECORD SIZE 160	
6. SYSTEM				5. DATE PREPARED 5-24-78	
7. PREPARED BY NARS - NNR					

8. DEFINITION

LINE NO.	DATA ELEMENT	FIELD LOCATION	CLASS A/N	SIGN (If numeric)	SIZE	TYPE OF DATA STANDARD	REFERENCE		NOTE
							IDENT. AND PAGE	LINE NO.	
a.	b.	c.	d.	e.	f.	g.	h.	i.	j.
1.	Undefined	1	N		1				
2.	Reporting GVN Area	2-6	N		5				
	G - VCID								
3.	Region	7	N		1				
4.	Province	8-9	N		2				
5.	District	10-11	N		2				
6.	Village	12-13	N		2				
	G - USID								
7.	Region	14	N		1				
8.	Province	15-16	N		2				
9.	District	17-18	N		2				
10.	Village	19-20	N		2				
11.	Hamlet	21-22	N		2				
12.	G - UTM	23-30	A/N		8				
13.	Population	31-35	N		5				
14.	HES Rating	36	A		1				
15.	GVN Province Name	37-56	A		20				
16.	GVN District Name	57-76	A		20				
17.	GVN Hamlet Name	77-96	A		20				
18.	VC Province Name	97-116	A		20				
19.	VC District Name	117-136	A		20				
20.	VC Village Name	137-156	A		20				

NARA-Prepared Record Layout

INPUT, OUTPUT, MASTER DEFINITION (Excluding Reports)			PAGE 2 of 2
2. NAME NPIASS II - HES/VCI GAZETTEER	3. TYPE OF RECORD <input type="checkbox"/> INPUT <input type="checkbox"/> OUTPUT <input checked="" type="checkbox"/> MASTER	4. RECORD SIZE 160	5. DATE PREPARED 5-24-78
6. SYSTEM		7. PREPARED BY NARS/NNR	

8. DEFINITION

[illegible]

HEADQUARTERS
MILITARY ASSISTANCE COMMAND, VIETNAM

NATIONAL POLICE INFRASTRUCTURE ANALYSIS SUBSYSTEM-II
(NPIASS-II)
MONTHLY NEUTRALIZATION SUMMARY REPORTS

November 1972

MACV Document No.
DAR S12
NM-03A
Program Maintenance Manual

Prepared for
Office of the Associate Director for Public Safety
Office of the Director
Civil Operations and Rural Development Support

EACH TRANSMITTAL OF THIS DOCUMENT OUTSIDE THE AGENCIES OF THE UNITED STATES GOVERNMENT AND THE GOVERNMENT OF THE REPUBLIC OF VIETNAM MUST HAVE THE PRIOR APPROVAL OF HQ USMACV, MACCORDS-RA, AND THE COMMANDER OF THE RVN NATIONAL POLICE.

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E.O. 12958, Sec. 5.4.3

By 907 Date 8-9-06
NNID 3093

MACCORDS Form 28, 12 Apr 72. Replaces edition of 12 Aug 69, which is obsolete.

HEADQUARTERS
MILITARY ASSISTANCE COMMAND, VIETNAM

NATIONAL POLICE INFRASTRUCTURE ANALYSIS SUBSYSTEM-II
(NPIASS-II)
VCI ORGANIZATIONAL PROFILE REPORT

November 1972

MACV Document No.
DAR S12
MM-04A
Program Maintenance Manual

Prepared for
Office of the Associate Director for Public Safety
Office of the Director
Civil Operations and Rural Development Support

EACH TRANSMITTAL OF THIS DOCUMENT OUTSIDE THE AGENCIES OF THE UNITED STATES GOVERNMENT AND THE GOVERNMENT OF THE REPUBLIC OF VIETNAM MUST HAVE THE PRIOR APPROVAL OF HQ USMACV, MACCORDS-RA, AND THE COMMANDER OF THE RVN NATIONAL POLICE.

DECLASSIFIED
E.O. 12958, Sec. 3.3

NND023093
By 407 Date 8-9-86

ACKNOWLEDGEMENT

The National Police Infrastructure Analysis Subsystem-II (NPIASS-II), VCI Organizational Profile Report, Program Maintenance Manual has been prepared by MACCORDS Research and Analysis, in conjunction with Computer Sciences Corporation. Input was provided by MACCORDS Public Safety, MACCORDS Phung Hoang, and the National Police Command. The manual was prepared under NAVCOSSACT Contract Number N00600-71-D-1090.

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NATIONAL POLICE INFRASTRUCTURE ANALYSIS SUBSYSTEM (NPIASS-II)

VCI ORGANIZATIONAL PROFILE REPORT

PROGRAM MAINTENANCE MANUAL

1 GENERAL DESCRIPTION

1.1 Purpose. This manual provides information pertinent to the Viet Cong Infrastructure (VCI) Organizational Profile Report module, which is a subsystem of the National Police Infrastructure Analysis Subsystem-II (NPIASS-II). This manual has been prepared for maintenance programming personnel to enable them to perform program upkeeping tasks efficiently. A glossary of abbreviations, acronyms, and words with specialized meanings in this manual appears in appendix A.

1.2 System Application. This subsystem produces the VCI Organizational Profile Report. This report displays each VCI level from the Central Office for South Vietnam (COSVN) to hamlet in the same order as listed in the Greenbook. The entire VCI structure as identified is displayed in the VCI Organizational Profile Report by GVN area and completely cross-referenced with the VCI area in which the individual is operating. The computer automatically examines VCI cadre who have been identified as operating within specific VC administrative boundaries and compares this data with the related GVN administrative boundaries that are encompassed within the VC area.

1.3 Equipment Environment. The equipment required by this system for operation is described below.

<u>QUANTITY</u>	<u>DESCRIPTION</u>	<u>MANUFACTURE</u>	<u>MODEL</u>
1	360 Processor	IBM	50-I
2	Magnetic Tape Unit	IBM	2401/6
1	Card Reader Punch	IBM	2540/1
1	Printer	IBM	1403/N01
1	Disk Storage Unit	IBM	2314

1.4 Program Environment. The system operates under the influence of IBM's Operating System (OS).

1.5 Conventions. No specific design of identifiers and their application to tagging or labeling of records, data fields, storage areas, etc., has been followed. Program labeling adheres to the conventions used by MACCORDS-RA/ADP. All procedures and standards regarding flowcharts and listings and their use are in accordance with standards established by MACCORDS-RA/ADP.

2 SYSTEM DESCRIPTION

2.1 General Description. The VCI Organizational Profile Report module consists of five programs. Two of these programs build a skeleton profile file using information from the VCI/HES Gazetteer and the VCI Greenbook files. Two other programs are used to select records from the NPIASS-II master file on the basis of date and to expand the selected records by VCI areas. The fifth program assembles and prints the VCI Organizational Profile Report. Illustrative material is contained in appendixes B through F. Appendix D, Source Program Listings, is provided under separate cover. Following is a brief description of each step in the module.

- (a) R3329P. This program produces a VCI area cross-reference using input information from the HES/VCI Gazetteer (R6421P02).
- (b) R3333P. This program produces a skeleton profile file using information from the VCI Greenbook file (R3315P01) and the VCI area cross-reference produced by program R3329P in step (a).
- (c) R3334SRT. This step sorts the skeleton profile from step (b) into a sequence for use by program R3335P in step (h). The sort sequence is from columns 1-34 ascending.
- (d) R3330P. This program selects records from the NPIASS-II master file (R3307P01) on the basis of a date control card. The output is a disk file of selected records.
- (e) R3330SRT. This step sorts the selected master record into sequence for processing in step (f). The sequence is from columns 277-285 ascending.
- (f) R3332P. This program produces expanded profile records using information from the VCI area file produced in step (a) to expand the selected NPIASS-II master records, which are the output of step (e).
- (g) R3332SORT. This step sorts the expanded profile report records from step (f) into sequence for processing by program R3335P in step (h). The sequence is from columns 268-301 ascending.
- (h) R3335P. This program produces the VCI Organizational Profile Report. The input files are a date and language control card, the HES Gazetteer (R7222P01), sorted report records from step (g), and the skeleton tape file from step (c).

2.2 Detailed Description. Following is a list of the programs used to produce the VCI Organizational Profile Report.

- (a) Build VCI area file
- (b) Build skeleton profile
- (c) Select
- (d) Expand by VCI areas
- (e) Organizational profile format

2.2.1 Build VCI Area File (R3329P).

- (a) Program Function. This program produces a file of VC area codes and names with cross-references to the USID area codes. This function is accomplished by abstracting information from the HES/VCI Gazetteer and reformatting it to produce the VC area file. This VC area file is used by program R3333P to build a skeleton file of all VCI positions. It is also used by program number R3332P to expand the selected NPIASS-II master records by VCI areas.
- (b) Instructions. The program consists of approximately 200 lines of coding, including COBOL required entries.
- (c) Data File Records. The records for this program are:
 - (1) HES/VCI Gazetteer records
 - (2) VC area records
- (d) Branching Requirements. None
- (e) Entry Requirements. The only entry requirements concerning the initiation of the program are those related to housekeeping-initializing of work areas, counters, etc.
- (f) Input Data Type. There is one input data file, named VCIGAZ, containing 7000 characters per block. VCIGAZ is on magnetic tape; each block contains 28 records, which have a fixed length of 250 characters.
- (g) Exit Requirement. Termination of the program is controlled by the end of file of the HES/VCI Gazetteer (VCIGAZ).

- (h) Communication. There is no communication or linkage to other programs, since this program operates in an independent mode.
- (i) Output Data Type. Output data consists of a disk file containing 7200 characters per block. Each block contains 90 logical records, which have a fixed length of 80 characters each.
- (j) Response to Errors. Input/output errors detected by the OS will be handled by the OS.
- (k) Restrictions. None
- (l) Permanency. N/A
- (m) Storage. The link-edited module necessitates 10,280 core positions.
- (n) Associated Programs. There are no associated programs used with this program or system.
- (o) Major Operations. The major operation performed by this program is to create a file giving cross-references between USID and VC area codes.
- (p) Minor Operations. The minor operations performed by this program are described below.
 - (1) Open input and output files.
 - (2) Read Gazetteer file.
 - (3) Store Gazetteer values into appropriate area code tables.
 - (4) Accumulate cross-reference information
 - (5) Write cross-reference record upon break in key area code.

2.2.2 Build Skeleton Profile (R3333P).

- (a) Program Function. This program compares the VCI area file produced by program R3329P with the VCI Greenbook master file and produces the VCI skeleton profile work file. The skeleton profile work file provides a cross-reference between all VC areas and key VC positions and USID numbers. This skeleton profile is used by program number R3335P to produce the VCI Organizational Profile Report.

- (b) Instructions. The program consists of approximately 235 lines of coding, including required COBOL entries.
- (c) Data File Records. The records for this program are:
 - (1) VC area records (work file)
 - (2) VC Greenbook records (R3315P01)
 - (3) VCI skeleton profile records (work file)
- (d) Branching Requirements. None
- (e) Entry Requirements. The only entry requirements concerning the initiation of the program are those related to housekeeping-initialization.
- (f) Input Data Type. There are two input files:
 - (1) Input by magnetic tape file, named GRBOOK, containing 1320 characters per block. Each block contains 10 logical records, which have a fixed length of 132 characters each.
 - (2) Input by magnetic disk work file, named VCIAREA, containing 7200 characters per block. Each block contains 90 logical records, which have a fixed length of 80 characters each.
- (g) Exit Requirements. Exit requirements for termination of the program are controlled by an end-of-file condition of the work disk file VCIAREA.
- (h) Communication. There is no communication or linkage to other programs, since this program operates in an independent mode.
- (i) Output Data Type. Output consists of a disk file containing 580 characters per block. Each block contains 10 logical records, which have a fixed length of 58 characters each.
- (j) Response to Errors. Input/output errors detected by OS will be handled by OS.
- (k) Restrictions. None
- (l) Permanency. N/A
- (m) Storage. The link-edited module necessitates 7454 core positions.

- (n) Associated Programs. There are no associated programs used with this program or system.
- (o) Major Operation. The major operation performed by this program is to expand VC area records from program R3329P to include all VC key positions for each VC area.
- (p) Minor Operations. The following are minor operations performed by this program.
 - (1) Open input and output files.
 - (2) Initialize work areas.
 - (3) Store key position codes from VCI Greenhook into a table.
 - (4) Display Greenhook table count of key positions.
 - (5) Create COSVN record for each COSVN position.
 - (6) Read VC area record.
 - (7) Check key position indicator.
 - (8) When a key position is indicated, find matching code in key position code.
 - (9) Write a record for each key position for a given VC area.
 - (10) Close files and display record counts at end of file.

2.2.3 Select (R3330P).

- (a) Program Function. This program selects records from the NPIASS-II master file (R3307P01) and reformats these records for a subsequent sort and expansion by program R3332P. The selection is made on the basis of a date control card and select criteria that is internal and fixed within the program.
- (b) Instructions. The program consists of approximately 501 lines of coding, including required COBOL entries.
- (c) Data File Records. The records for this program are:
 - (1) NPIASS-II master file records (R3307P01)

(2) Selected master records

(3) Date control card with format as follows:

<u>CARD COLUMNS</u>	<u>DATE</u>
1-6	Control Date
1-2	Year
3-4	Month
5-6	25

- (d) Branching Requirements. None
- (e) Entry Requirements. The only entry requirements concerning the initiation of the program are those related to housekeeping-initializing of work areas, counters, etc.
- (f) Input Data Types. There is one input tape file and a control card.
 - (1) Input by magnetic tape file, named MASIN, containing 7021 characters per block. Each block contains 17 logical records that have a fixed length of 413 characters.
 - (2) Input by card file named CARDIN. This file consists of a single 80-column card with format described in 2.2.3(c)(3).
- (g) Exit Requirements. Exit requirements concerning termination of the program are controlled by the end-of-file condition of the NPIASS-II master file (referred to here as MASIN).
- (h) Communication. There is no communication or linkage to other programs, since this program operates in an independent mode.
- (i) Output Data Type. Output data consists of a disk file containing 6923 characters per block. Each block contains 23 logical records, which have a fixed length of 301 characters each.
- (j) Response to Errors. Input/output errors detected by OS will be handled by OS.
- (k) Restrictions. None

- (l) Permanency. N/A
- (m) Storage. The link-edited module requires 8144 core positions.
- (n) Associated Programs. There are no associated programs used with this program or system.
- (o) Major Operations. The following are major operation performed by this program:
 - (1) Select NPIASS-II master file records on the basis of neutralization date.
 - (2) Reformat master file information for subsequent processing.
- (p) Minor Operations. The minor operations performed by this program are:
 - (1) Open input and output files.
 - (2) Process and edit control card information.
 - (3) Read NPIASS-II master file.
 - (4) Process job code.
 - (5) Process area code.
 - (6) Reformat selected information for output.
 - (7) Write output record.
 - (8) Close files and display record counts at end of file.

2.2.4 Expand by VCI Areas (R3332P).

- (a) Program Function. This program creates an expansion of the selected NPIASS-II master file information received from program R3330P by using information on the VCI area file created by program R3329P. This expansion is accomplished by matching the two files and transferring information from the VCI area file to the select file and writing the resultant records. The resultant file is used by program R3335P to produce the VCI Organizational Profile Reports.
- (b) Instructions. This program consists of approximately 136 lines of coding including required COBOL entries.

- (c) Data File Records. The records for this program are:
 - (1) VCI area records created by program R3329F
 - (2) Select records created by program R3330P
 - (3) Expanded records created by this program
- (d) Branching Requirements. None
- (e) Entry Requirements. The only entry requirements concerning the initiation of the program are those related to housekeeping-initializing of work areas, counters, etc.
- (f) Input Data Type. There are two input disk files to this program.
 - (1) Input by magnetic disk file VCIAREA, containing 7200 characters per block. Each block contains 90 logical records, which have a fixed length of 80 characters each.
 - (2) Input by magnetic disk file MSTIN containing 6923 characters per block. Each block contains 23 logical records, which have a fixed length of 301 characters each.
- (g) Exit Requirements. Exit requirements concerning termination of the program are controlled by the end-of-file of either MSTIN or VCIAREA.
- (h) Communication. There is no communication with or linkage to other programs, since this program operates in an independent mode.
- (i) Output Data Type. The output consists of a magnetic tape file named MSTOUT containing 6923 characters per block. Each block contains 23 logical records, which have a fixed length of 301 characters each.
- (j) Response to Errors. Input/output errors detected by the OS will be handled by the OS.
- (k) Restrictions. None
- (l) Permanency. N/A
- (m) Storage. The link-edited module necessitates 45,000 core positions.

- (n) Major Operations. The major operation performed by the program is to expand the profile by creating a profile record for each matching VC area record.
- (o) Minor Operations. The following are minor operations performed by the program:
 - (1) Open input and output files.
 - (2) Read profile record.
 - (3) Read VC area record.
 - (4) Create a profile record for each match on VC area code.
 - (5) Close files, display counts and end message.

2.2.5 Organizational Profile Format (R3335P).

- (a) Program Function. This program formats and prints the VCI Organizational Profile Report.
- (b) Instructions. The program consists of approximately 960 lines of coding.
- (c) Data File Records. The records for this program are:
 - (1) Profile detail records reference
 - (2) HES Gazetteer records (see pp. F-3, F-4)
 - (3) Skeleton profile records reference
 - (4) Date to language control card with format as follows:

<u>CARD COLUMNS</u>	<u>DATA</u>
1-5	'R3335'
6-7	Spaces
8-16	Date
8-9	25
10	Space
11-13	Month *
14	Space
15-16	Year
17	Space
18	E or V **

* Month is designated by three-character abbreviation of the month's name, e.g., Jan, Feb, etc.

** E for English headings: V for Vietnamese headings.

- (d) Branching Requirements. None
- (e) Entry Requirements. The only entry requirements concerning the initiation of the program are those related to housekeeping-initializing of work areas, counters, etc.
- (f) Input Data Types. There are two tape files, a disk file, and a control card.
 - (1) Input by magnetic tape file, named PROFILE, containing 580 characters per block. Each block contains 10 logical records, which have a fixed length of 58 characters each.
 - (2) Input by magnetic tape file, named VCVNIIS, containing 6923 characters per block. Each block contains 23 logical records, which have a fixed length of 301 characters each.
 - (3) Input by magnetic disk file, named GAZFILE, containing 3000 characters per block. Each block contains 20 logical records, which have a fixed length of 150 characters each.
 - (4) Input by card file. This file consists of one control card. The card format is given in paragraph 2.2.5(c)(4) above.
- (g) Exit Requirements. Exit requirements concerning termination of the program are controlled by the end-of-file conditions of the files PROFILE and VCVNIIS. Both files must have reached end-of-file status.
- (h) Communication. There is no communication or linkage to other programs since this program operates in an independent mode.
- (i) Output Data Type. Output data is the VCI Organizational Profile Report.
- (j) Response to Errors. Input/output errors detected by the OS will be handed by the OS.
- (k) Restrictions. None
- (l) Storage. The link-edited module necessitates 14,384 core positions.
- (m) Associated Programs. There are no associated programs used with this program or system.

- (n) Major Operations. The following are major operations performed by this program:
- (1) Match skeleton profile records against work file records on USID, VCI area/position.
 - (2) Format and print VCI Organizational Profile Report.
 - (3) Access USID area names from HES file.
- (o) Minor Operations. The following are minor operations performed by this program:
- (1) Open input and output files.
 - (2) Read and process control card.
 - (3) Read profile record.
 - (4) Read work file record.
 - (5) Format and print report line, depending on outcome of match between profile and work file records.
 - (6) Access HES file for GVN area names.
 - (7) Print separate report lines for aliases and alternate positions.

3 INPUT/OUTPUT DESCRIPTIONS

3.1 General Description. The NPIASS-II VCI Organizational Profile Report module has six inputs and one output.

(a) Inputs.

- (1) HES/VCI Gazetteer (R6421P02)
- (2) VCI Greenbook (R3315P01)
- (3) NPIASS-II master file (R3307P01)
- (4) HES Gazetteer file (R7222P01)
- (5) Date control card
- (6) Data-and-language control card

(b) Outputs. VCI Organizational Profile Report

3.2 Characteristics. The HES/VCI Gazetteer file has been specially generated for use in NPIASS-II processing. The VCI Greenbook is based on data supplied by the Phung Hoang Directorate (PHD). The NPIASS-II master file is the data base for NPIASS-II. The HES Gazetteer file is a resident disk file maintained as part of the Hamlet Evaluation System (HES). The date control card and date-and-language control card are 80 x 80 cards providing control information to programs R3330P and R3335P, respectively.

3.2.1 HES/VCI Gazetteer (R6421P02).

- (a) Identification. VCIGAZ
- (b) Function. Input used to build VC area file
- (c) Content. USID and VCID cross-reference information with area names
- (d) Storage Medium. Magnetic tape
- (e) Permanency. Permanent to this system
- (f) Associated Systems. None
- (g) Restrictions. None

3.2.2 VCI Greenbook (R3315P01).

- (a) Identification. GRBOOK
- (b) Function. To provide information concerning VCI positions
- (c) Content. This file contains a listing of all VCI positions with the job titles and reporting level indicators. There is also an indicator to designate key jobs

(d) Storage Medium. Magnetic tape

3.2 Characteristics. The HES/VCI Gazetteer file has been specially generated for use in NPIASS-II processing. The VCI Greenbook is based on data supplied by the Phung Hoang Directorate (PHD). The NPIASS-II master file is the data base for NPIASS-II. The HES Gazetteer file is a resident disk file maintained as part of the Hamlet Evaluation System (HES). The date control card and date-and-language control card are 80 x 80 cards providing control information to programs R3330P and R3335P, respectively.

3.2.3 NPIASS-II Master File (R3307P01).

- (a) Identification. MASIN
- (b) Function. Data base input
- (c) Content. NPIASS-II data base
- (d) Permanency. Permanent to this system
- (e) Restrictions. None

3.2.1 HES/VCI Gazetteer (R6421P02).

- (a) Identification. VCIGAZ
- (b) Function. Input used to build VC area file
- (c) Content. USID and VCID cross-reference information with area names
- (d) Storage Medium. Magnetic tape
- (e) Permanency. Permanent to this system

(e) Storage Medium. Magnetic tape

(f) Associated Systems. None

(g) Restrictions. None

3.2.4 HES Gazetteer File (R7222P01).

(a) Identification. GAZFILE

(b) Function. This file is used to provide heading and labeling information for the VCI Organizational Profile Report.

(c) Content. USID area codes and corresponding area names

(d) Storage Medium. Resident disk file

(e) Associated Systems. The Hamlet Evaluation System (HES) provides this file:

(f) Restrictions. None

3.2.5 Date Control Card. This card provides date control information for the select function of the select program (R3330P).

3.2.6 Date-and-Language Control Card. This card provides program R3335P with the date range covered by the report and with a language select indicator to determine whether headings will be printed in English or Vietnamese.

3.2.7 VCI Organizational Profile Report. This output is a printed listing of the VCI organization profile. It is formatted from information in files built by previous programs in the system.

3.3 Tables. N/A

3.4 Items. N/A

4 PROGRAM ASSEMBLING, LOADING, AND MAINTENANCE PROCEDURES

4.1 Input/Output Requirements. The system is being maintained in card form; i.e., all source program modules are in card format.

4.2 Procedures. All modifications to the programs can be made by the insertion and substitution of COBOL coded instructions into the program deck(s) followed by compilation of the deck and link-editing of the object module produced by successful compilation.

4.3 Verification. Verification of modifications to the systems is accomplished by comparing old and new versions by parallel runs or by producing expected values from processing specially prepared test data. The system user may also be a verification agent.

4.4 Special Maintenance Programs. There are no special maintenance programs with this NPIASS-II module.

4.5 Other Special Maintenance Procedures. None

4.6 Listings. See appendix D.

Appendix A

SYSTEM ABBREVIATIONS, MNEMONICS, AND TERMS

A - 1

Appendix A

SYSTEM ABBREVIATIONS, MNEMONICS, AND TERMS

ADP	Automatic Data Processing
COBOL	Common Business Oriented Language
COSVN	Central Office for South Vietnam. The office for guidance and leadership of the VCI
GVN	Government of Vietnam
HES	Hamlet Evaluation System
Greenbook	Listing of VCI positions, position reporting levels and position names.
IBM	International Business Machines, Inc.
MACCORDS	Military Assistance Command, Civil Operations and Rural Development Support
NPIASS-II	National Police Infrastructure Analysis Subsystem-II
OS	Operating System
PHD	Phung Hoang Directorate
RA	Research and Analysis
USID	United States Identification Number
VC	Viet Cong
VCI	Viet Cong Infrastructure. The administrative and political organization through which the Viet Cong controls, or seeks to control, the people of South Vietnam
VCID	Viet Cong Identification Number

Appendix B

SYSTEM LOGIC CHART

B - 1

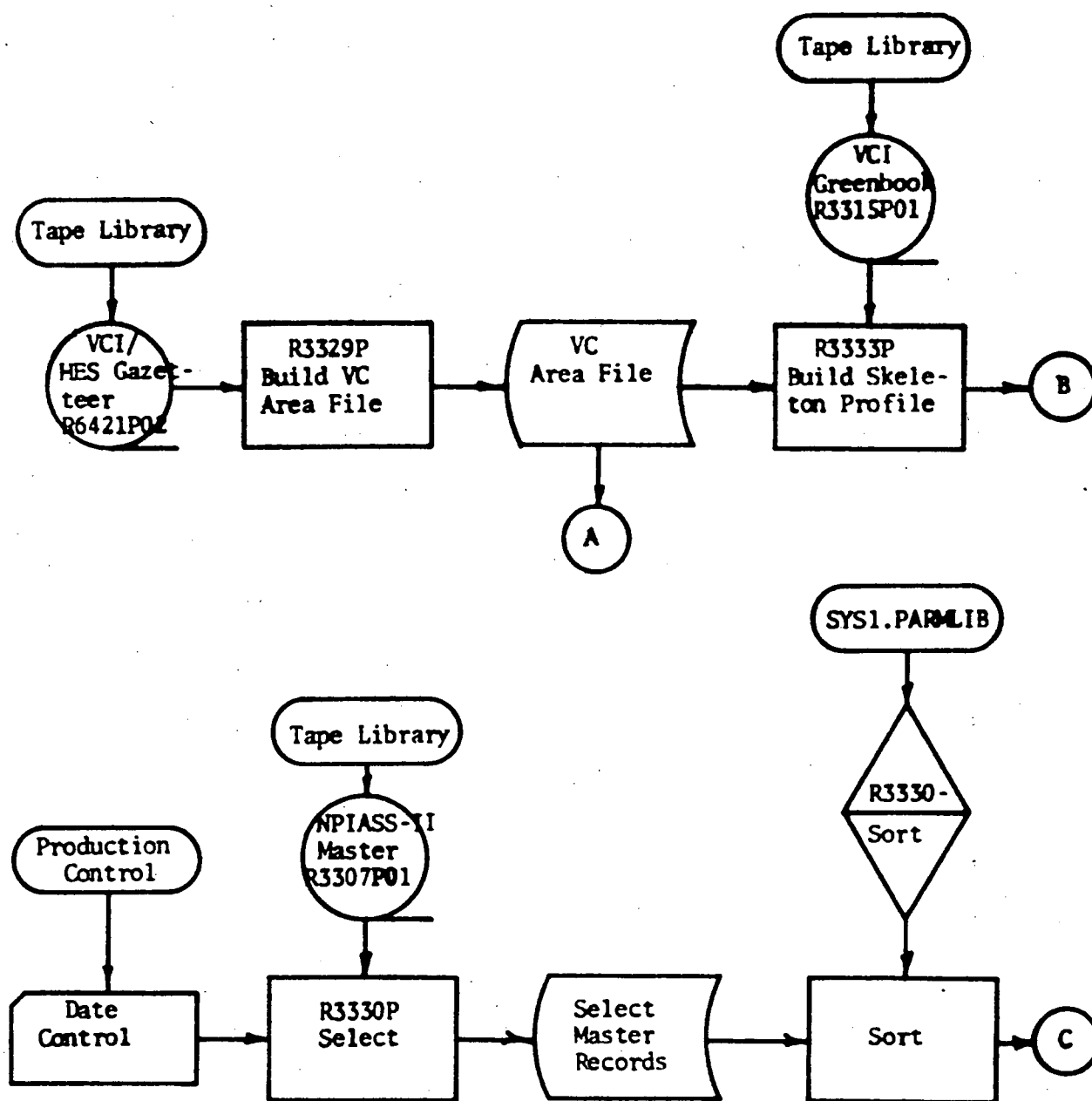


Figure B-1

SYSTEM LOGIC CHART (Sheet 1 of 2)

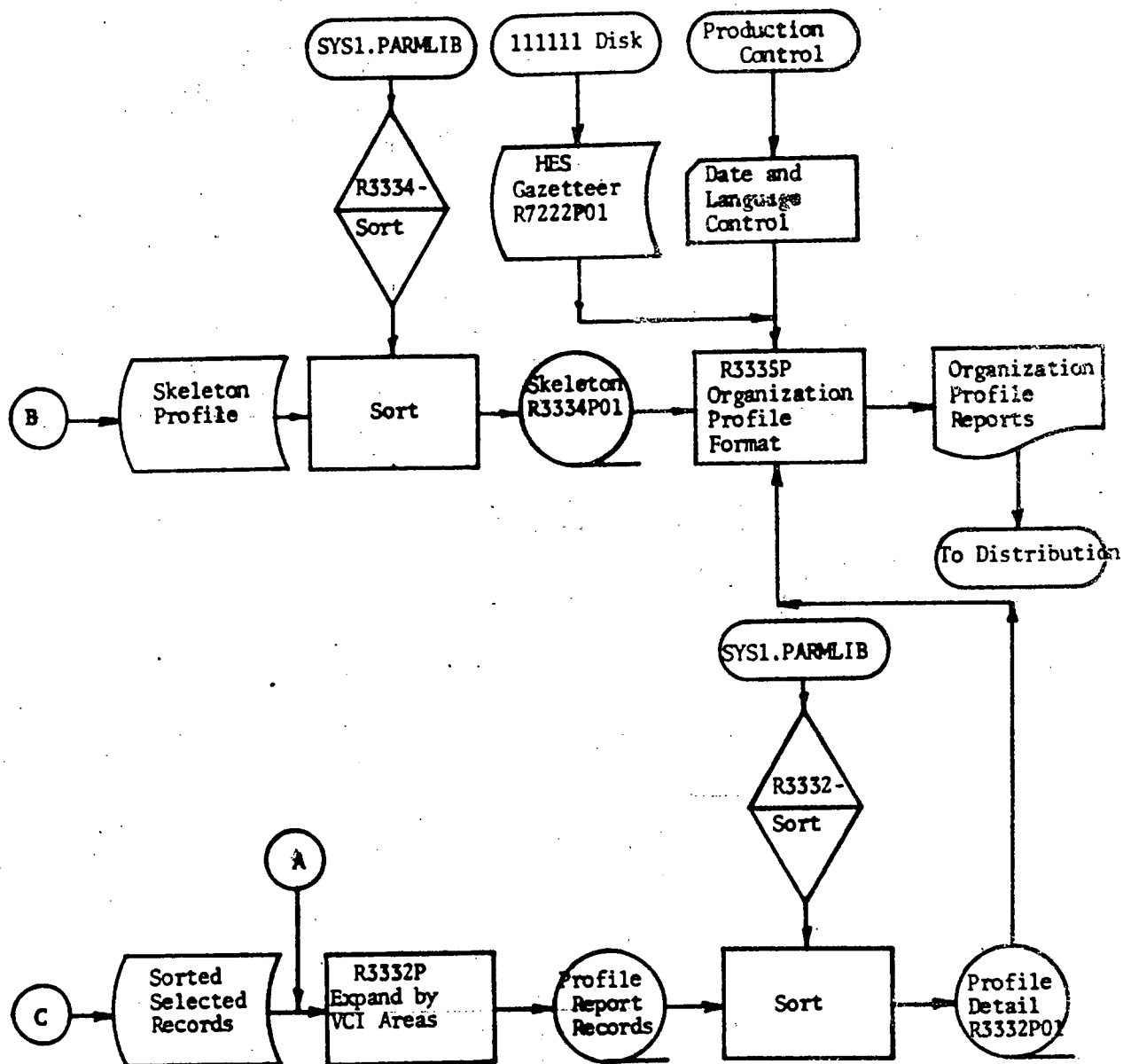


Figure B-1

SYSTEM LOGIC CHART (Sheet 2 of 2)

Appendix C

PROGRAM LOGIC CHARTS

C - 1

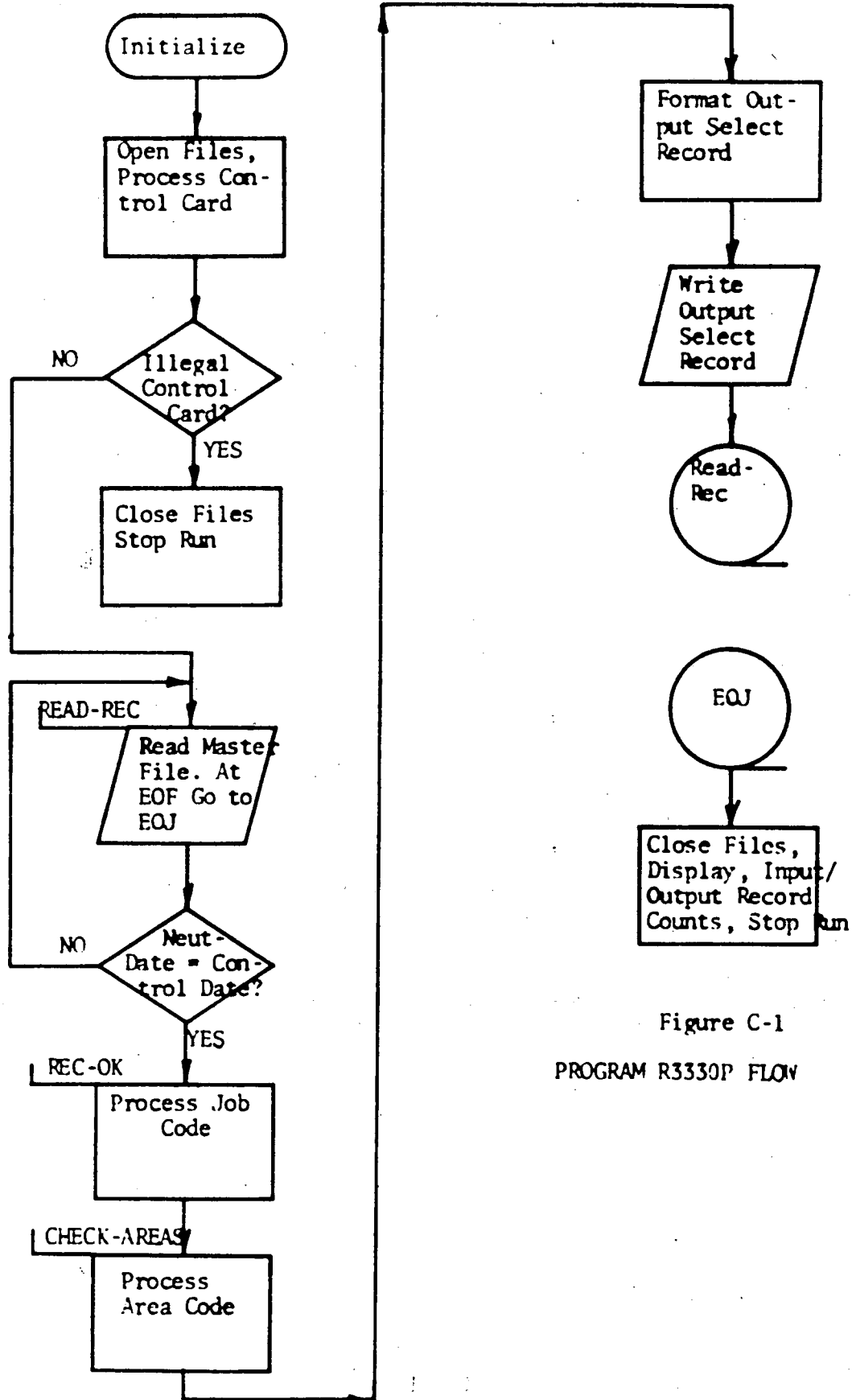
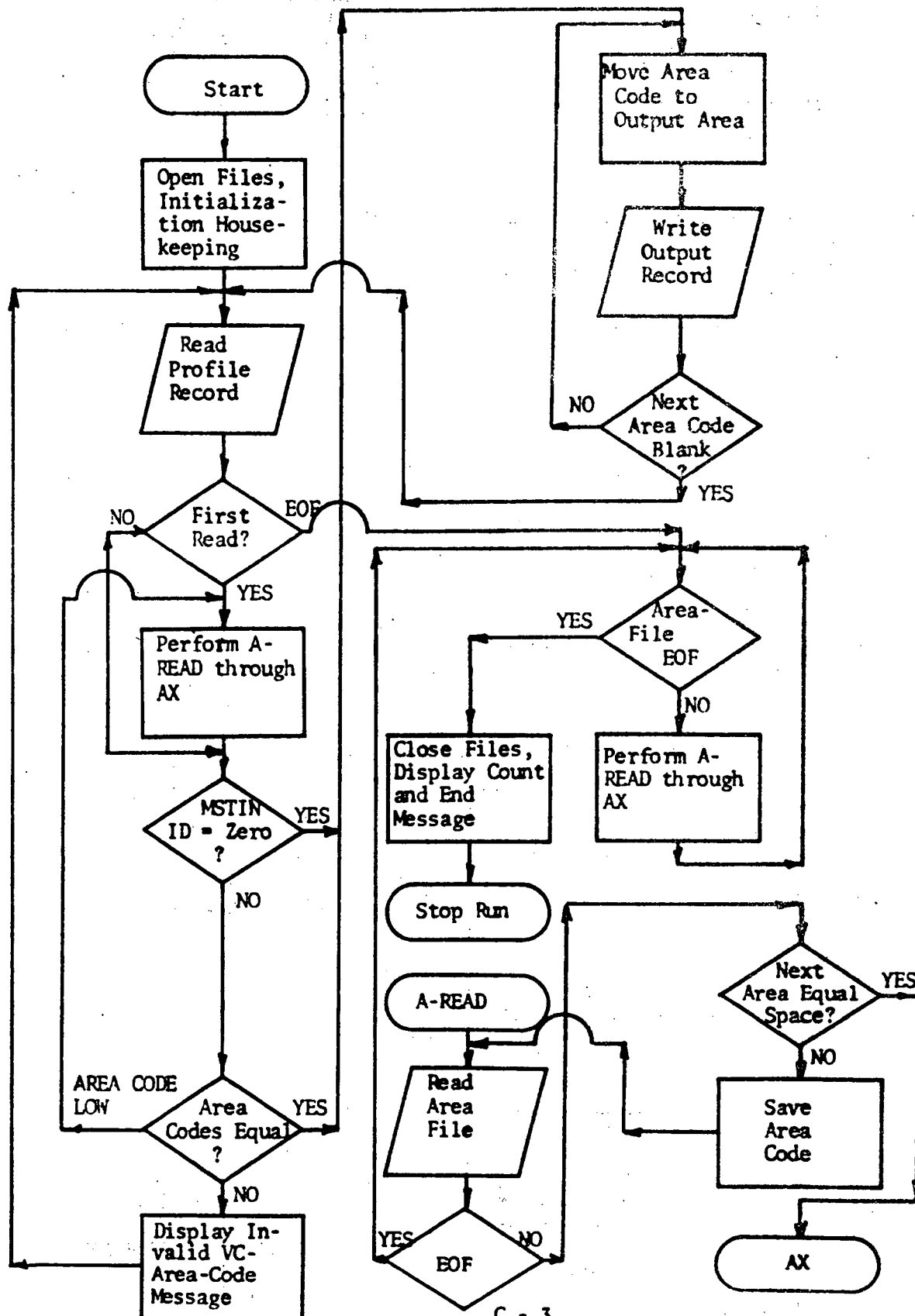


Figure C-1
PROGRAM R3330P FLOW

Figure C-2

PROGRAM R3332P FLOW



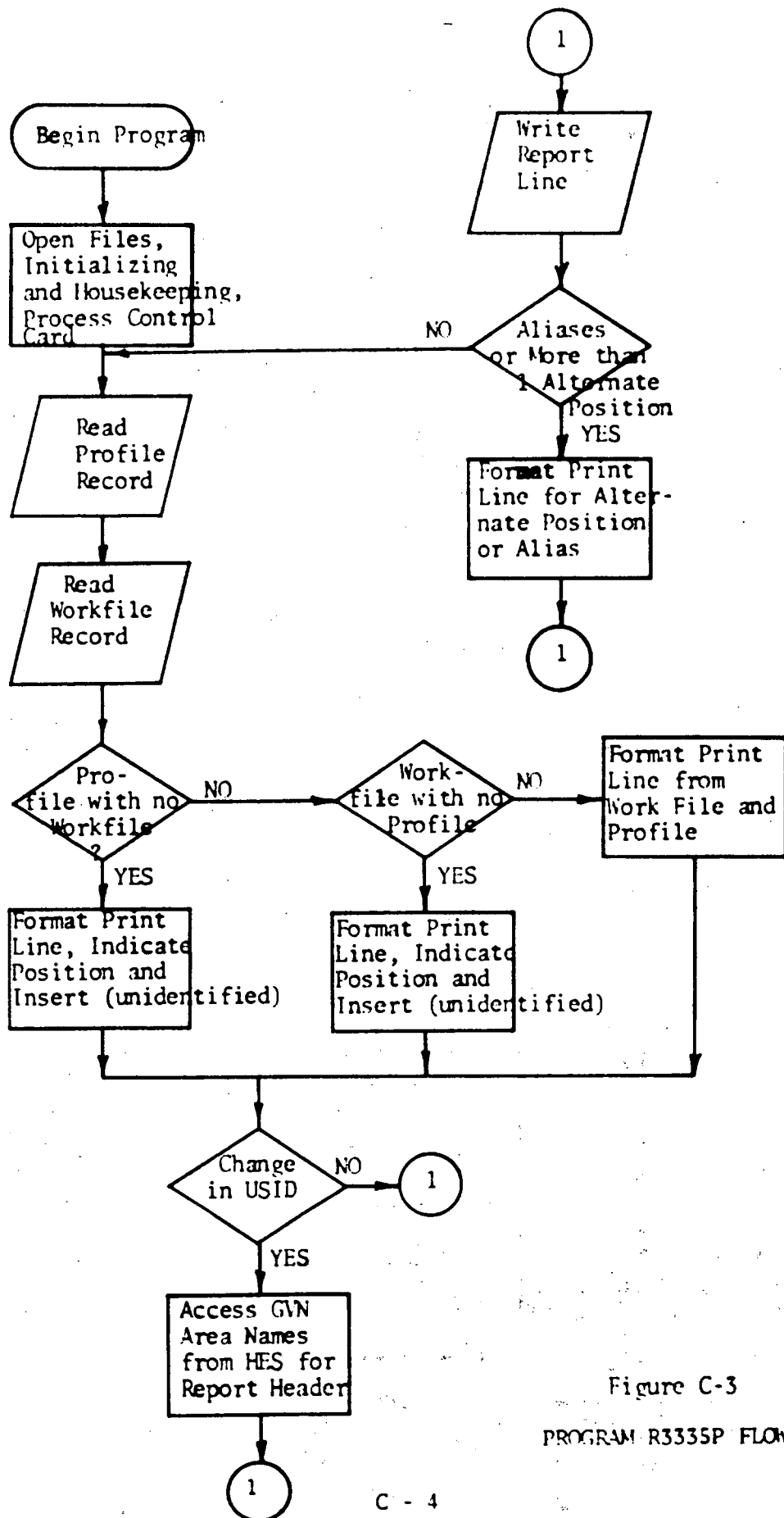


Figure C-3
PROGRAM R3335P FLOW

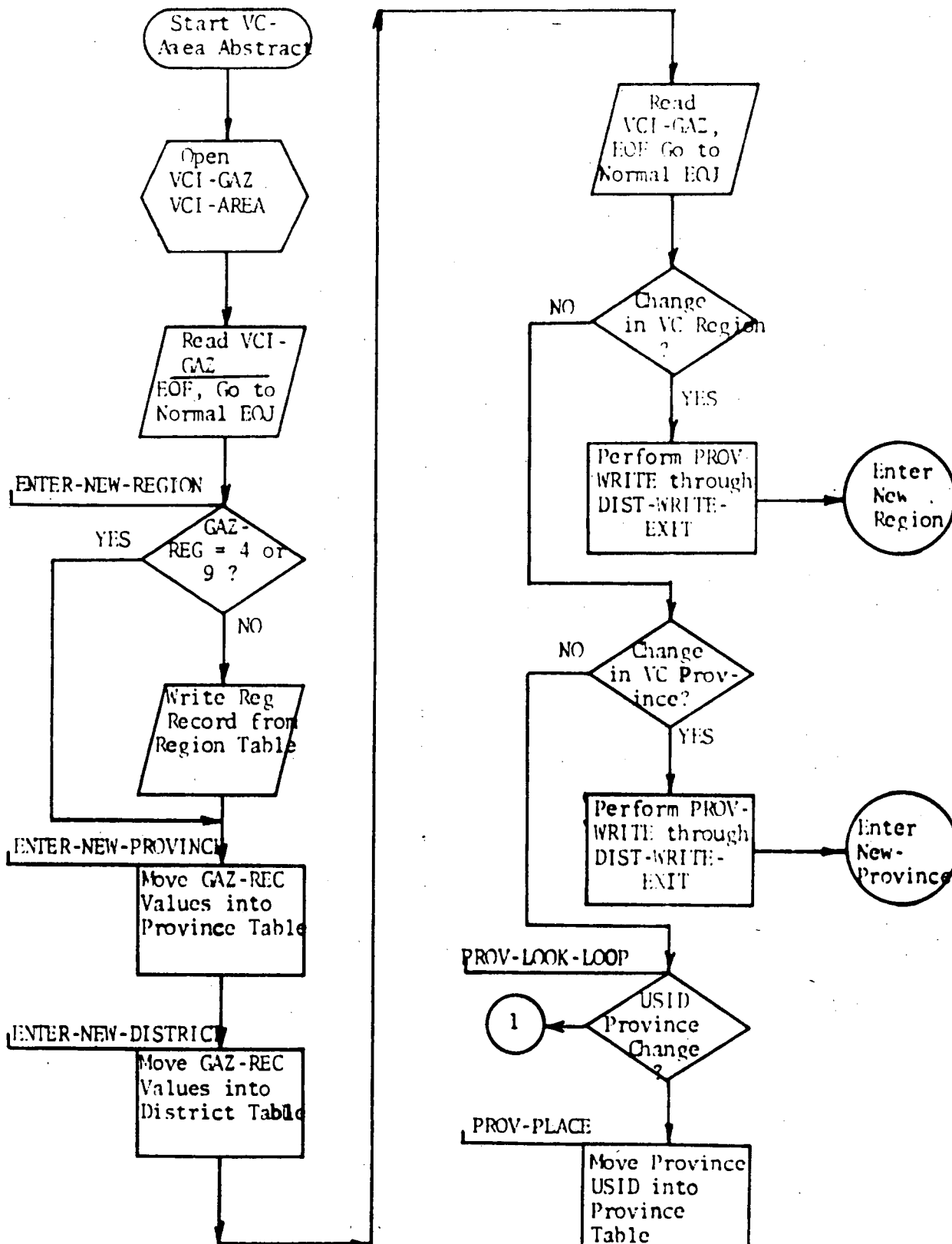


Figure C-4
PROGRAM R3329P FLOW

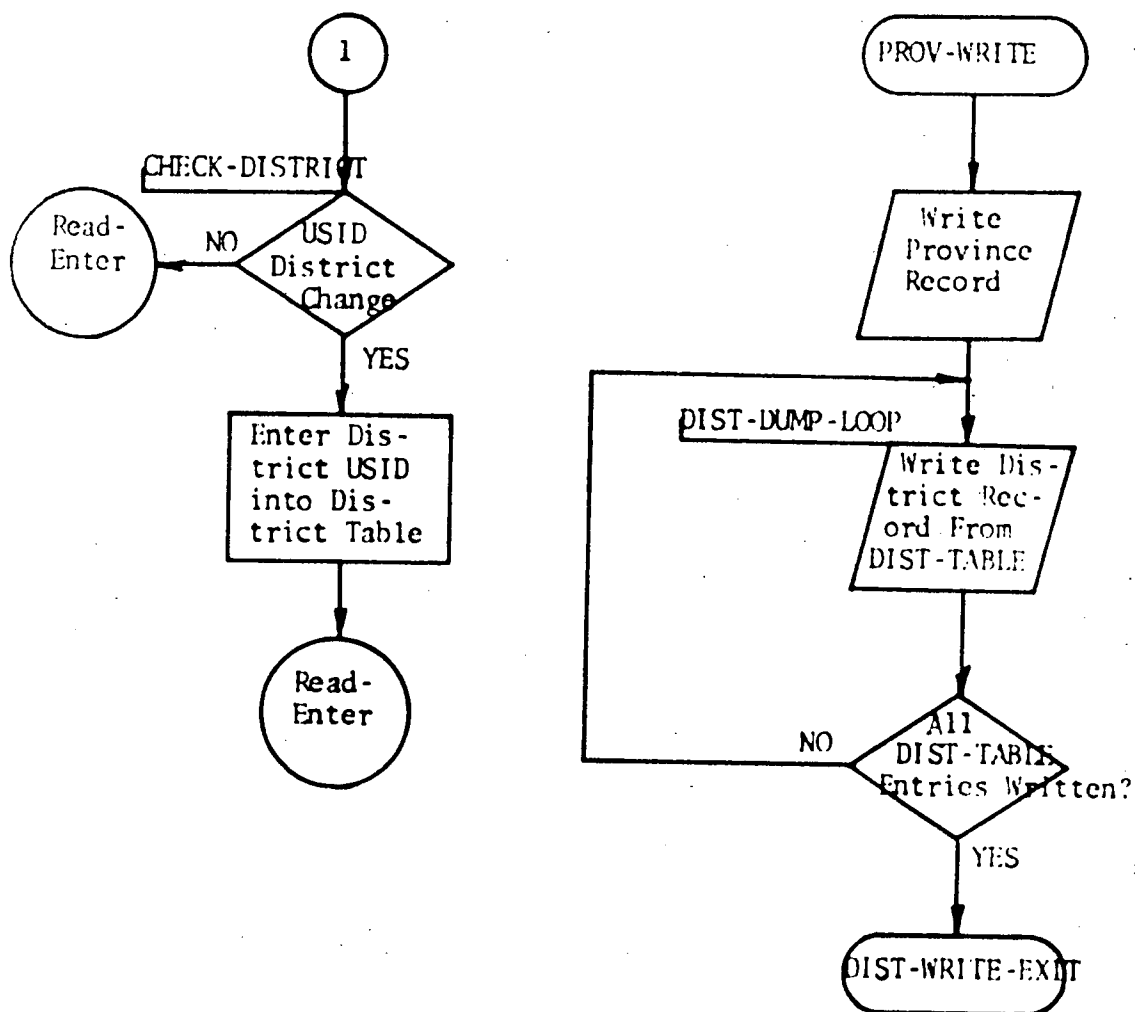


Figure C-5
PROGRAM R3329P FLOW

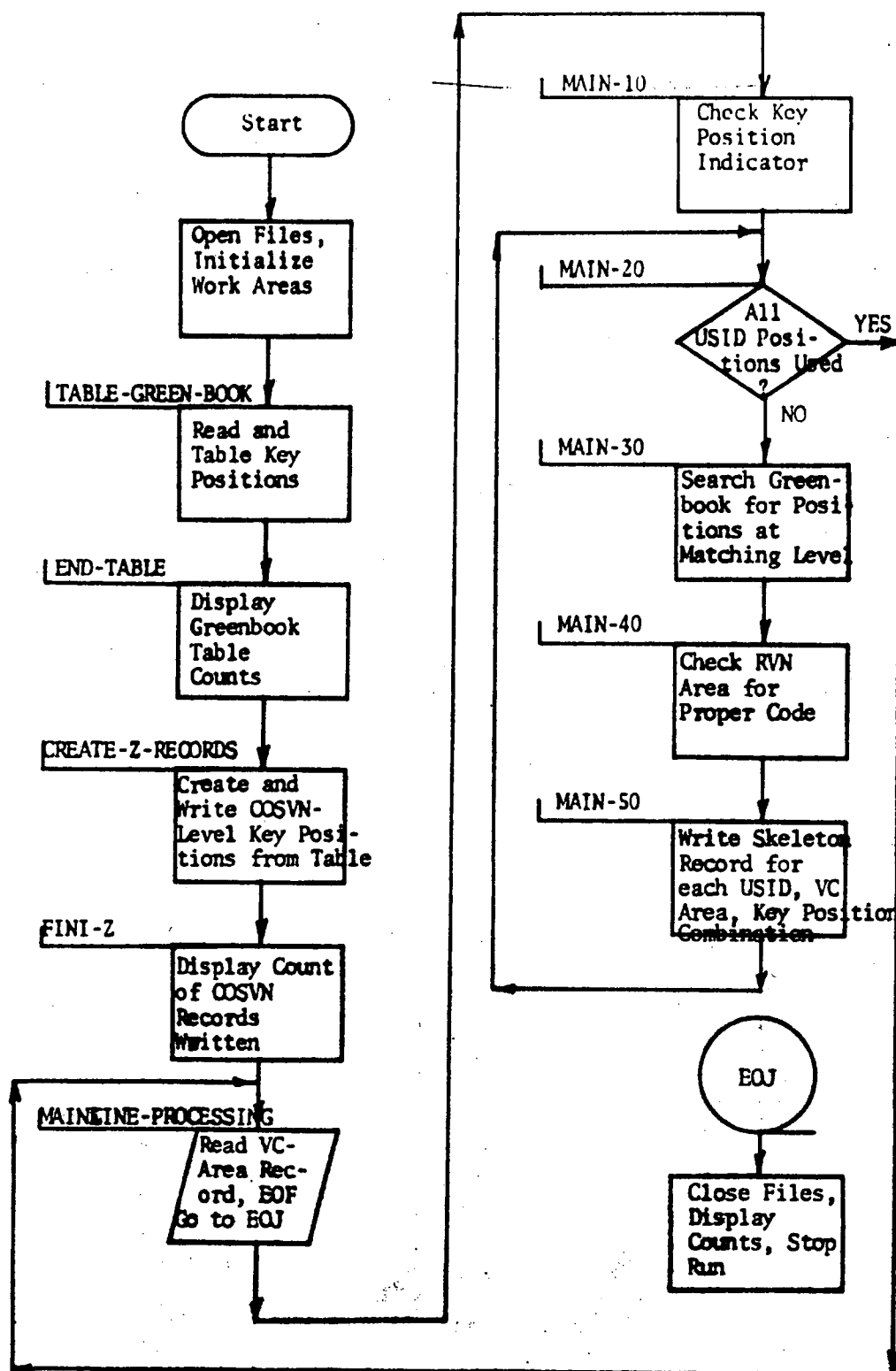


Figure C-6
PROGRAM R3333P FLOW

Appendix D

PROGRAM LISTINGS *

* Provided under separate cover

D - 1

Appendix E

INPUT RECORD LAYOUTS

E - 1

RECORD LAYOUT FORM										INPUT RECORD LAYOUTS										SHEET 1 OF 2 SHEETS																					
SYSTEM NAME:										EFFECTIVE DATE:																															
Record Name	Base	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40
HES Gazetteer File Village Record 150 x 20	0	Hamlet GVN ID										Province Name										District Name																			
	40	District Name (cont'd)										Village Name										Hamlet Name																			
	80	Hamlet Name (cont'd)										Mode Rating A B C D E					Total Population					Permanent Population					Temporary Population					Non-Hamlet Population									
	120	Administrative ID																																							
HES/VC Gazetteer 250 x 20	150	VC ID																																							
The first 150 columns have the same layout as the HES Gazetteer	190	VC District Name (cont'd)										VC Province Name										Columns 214-250 not used																			
		1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40

MACCORDS Form 28, 12 Apr 72 Replaces edition of 12 Aug 69, which is obsolete

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RECORD LAYOUT FORM										INPUT RECORD LAYOUTS										SHEET 2 OF 2 SHEETS																					
SYSTEM NAME:										EFFECTIVE DATE:																															
Record Name	Base	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40
HES/VCI	Ø	Organization Code						/	Valid Levels for This Position							Description of Position through Column 132																									
		Org.	Space	Section	Sub Sec	Element	Position		Δ or	Δ or	Δ or	Δ or	Δ or	Δ or	Δ or											Δ or															
Control Card Program R3330P	Ø	Date						Columns 6-7 always 25; columns 7-80 not used																																	
		Y	Y	M	M	2	5																																		
Control Card Program R3335P	Ø	Program ID						Date						Language	Columns 1-5 always R3335; columns 8-9 always 25; M M is alpha designation for month; column 18 = E for English, V for Vietnamese; columns 19-80 not used																										
		R	3	3	3	5	2	5	M	M	M	Y	Y																												

MACCORIS Form 28, 12 Apr '72

Replaces edition of 12 Aug 69, which is obsolete

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RECORD LAYOUT FORM		SYSTEM NAME:		SHEET 1 OF 2 SHEETS																											
Record Name		EFFECTIVE DATE: 13 MAR 1971																													
PHMIS Master 413 x 17	VCI NUMBER		DOSSIER LOCATION		BIO PROCESS DATE		BIO INFO DATE		PRIME VCI AREA		PRIME VCI POSITION		OTHER BIO INFORMATION																		
	PREFIX	SERIAL NO	AT LARGE	REG	PROV	DIST	VILL	YEAR	MO	DAY	YEAR	MO	DAY	REG	PROV	DIST	VILL	HAM	PARTY	ECHELON	SECTION	SUB-SEC	ELEMENT	JOB	PHOTO	PRINTS	AIR-ORD	RESID.	CONFERM	SOURCE	
	BIRTH YEAR	PLACE OF BIRTH				PRIME NAME										NEUTRALIZATION PROC DATE			NEUTRALIZATION ACTION DATE												
	REG	PROV	DIST	VILL	HAM	SEX	LIST	PREP	FIRST	FAMILY	MIDDLE	YEAR	MO	DAY	YEAR	MO	DAY														
	NEUTRALIZATION LOCATION		OPERATIONAL INFORMATION		ARREST NUMBER		FORWARDING PROC DATE		FORWARDING ACTION DATE		LOCATION FORWARDED TO		SENTENCE PROC DATE																		
	REG	PROV	DIST	VILL	HAM	STATUS	TARGET	LEVEL	FORN	PILOC	DET. FAC	LEVEL	SERIAL	YR	YEAR	MO	DAY	YEAR	MO	DAY	REG	PROV	DIST	VILL	HAM	YEAR	MO	DAY			
	SENTENCE ACTION DATE		SENTENCE LOCATION		RELEASE PROC DATE		RELEASE ACTION DATE		LOCATION RELEASED TO		ALTERNATE VCI AREA-1																				
	YEAR	MO	DAY	SENT CODE	SENT LEVEL	REG	PROV	DIST	VILL	HAM	YEAR	MO	DAY	YEAR	MO	DAY	REL LEVEL	REG	PROV	DIST	VILL	HAM	REL-CODE	REG	PROV	DIST	VILL	HAM	PARTY		
	ALTERNATE POSITION -1		ALTERNATE VCI AREA -2		ALTERNATE POSITION -2		ALTERNATE VCI AREA -3		ALTERNATE POSITION -3		ALTERNATE VCI AREA -4																				
	ECHELON	SECTION	SUB-SEC	ELEMENT	JOB	REG	PROV	DIST	VILL	HAM	PARTY	ECHELON	SECTION	SUB-SEC	ELEMENT	JOB	REG	PROV	DIST	VILL	HAM	PARTY	ECHELON	SECTION	SUB-SEC	ELEMENT	JOB	REG	PROV	DIST	VILL
ALTERNATE		MOTHERS NAME		FATHERS NAME																											
PARTY	ECHELON	SECTION	SUB-SEC	ELEMENT	JOB	UPDATE COUNT	FIRST	FAMILY	MIDDLE	PARENT-CODE	FIRST																				

MACCORDS Form 28
12 Aug 69

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12 Aug 69

Appendix F

OUTPUT RECORD LAYOUTS

RECORD LAYOUT FORM										INTERMEDIATE WORK FILES										SHEET 1 OF 2 SHEETS																							
SYSTEM NAME: NPIASS-II ORGANIZATIONAL PROFILE REPORTS										EFFECTIVE DATE:																																	
Record Name	Base	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40		
This file is initially created by program R3330P and expanded by program R3332P	0	VCI Code								Dossier Location								Significant Information Date D D M M Y Y								VCI Area								VCI Job								Birth	
	40	Year	Birth Place								Sex	Black List	PRP	Name																Prime Indicator													
	First								Family								Middle																										
	80	VCI Area								VCI Job								Prime Indicator	VCI Area								VCI Job								Prime Indicator	VCI Area							
	120	VCI Job								Prime Indicator	VCI Area								VCI Job								Alias																
		Alias (cont'd)									Alias								First								Family								Middle								
	160	Middle								First								Family								Middle																	
		Alias								Alias								First								Family								Middle									
	200	First								Family								Middle								First								Family									

MACCORDIS Form 28, 12 Apr 72 Replaces edition of 12 Aug 69, which is obsolete

RECORD LAYOUT FORM		INTERMEDIATE WORK FILES																				SHEET 2 OF 2 SHEETS																			
SYSTEM NAME:		MPIASS-II ORGANIZATIONAL PROFILE REPORTS																				EFFECTIVE DATE:																			
Record Name	Base	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40
	240	Alias					Photo	Print	Parent ID	Residence Known	Confirmed	Arrest	Location Neutralization										Status	Date Neutralized					USID					VCI Area							
		Middle																						D D M M Y Y																	
	280	VCI Area (cont'd)					VCI Job					VCI Number																													
Skeleton Profile Record; this record is built by programs R3329P and R3333P	0	USID					VCI Area					Level Code	Key Position	VCI Job					VCI Number					VCI Area Name																	
	C	Prov	Dist	Vill	Ham.	R	Prov	Dist	Vill	Ham.																															
	40	VCI Area Name (cont'd)																																							

MACCORDS Form 28, 12 Apr 72 Replaces edition of 12 Aug 69, which is obsolete

HEADQUARTERS
MILITARY ASSISTANCE COMMAND, VIETNAM

HAMLET EVALUATION SYSTEM
(HES)
PROGRAM R7119P, HES GAZETTEER FILE

July 1972

MACV Document No.
DAR R70
MM-12
Program Maintenance Manual

Prepared for
Office of the Associate Director for Research and Analysis
Office of the Director
Civil Operations and Rural Development Support

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NND 023093
By 707 Date 8-7-06

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HAMLET EVALUATION SYSTEM (HES)

PROGRAM MAINTENANCE MANUAL

PROGRAM R7119P

1 GENERAL DESCRIPTION

1.1 Purpose. This manual has been prepared to assist the programmer in maintaining Program R7119P, HES Gazetteer File Generator, one of several programs of the Hamlet Evaluation System (HES). A glossary of system abbreviations, mnemonics, and terms with special meaning used within this manual is contained in appendix A.

1.2 System Application. Program R7119P generates the HES Gazetteer file from the HES basic master file (R710702). The Gazetteer file is used as input to the Gazetteer report program (R7120P). In addition, the Gazetteer file is used by several other CORDS systems.

1.3 Equipment Environment. This program requires approximately 17,000 bytes of main storage. Required peripheral equipment is a card reader, a magnetic tape unit, and a direct access device (2314 disk).

1.4 Program Environment. Program R7119P is written in COBOL F utilizing the operating system 360-50 COBOL F compiler.

2 SYSTEM DESCRIPTION

2.1 General Description. Program R7119P is described in the following paragraph. Supporting material is contained in appendixes B through F. Because of length, appendix D, Source Program Listings, is provided under separate cover. A description of the HES basic master file and synopsis is contained in HES Basic Master File Description, MACV Document DAR R70, MP-01, January 1972.

2.2 Detailed Description. Program R7119P uses data from the HES master file (R710702) to build the Gazetteer file. The province, district, village, and hamlet records are used from the master file in that order. Hamlet and village records are formatted and written for each active hamlet and village in the master file. This formatting is done by province and by district in the sequence of the master file. The Gazetteer file is produced for a particular month as indicated by the input date card. Only HES master file records for that month are extracted for the Gazetteer file.

3 INPUT/OUTPUT DESCRIPTIONS

3.1 General Description. Appendix B illustrates the data flow for program R7119P. Appendix E illustrates the output record format. The input record formats are illustrated in HES Basic Master File under separate cover. The catalogued procedure that executes program R7119P is R7973C (see HES Operations Manual). Job control language (JCL) and data definition (DD) statements are discussed in paragraph 3.3.1.

3.1.1 Input. Input to program R7119P is the HES basic file (R710702). This file contains the QTAB, province, district, hamlet, and village data records necessary for program R7119P. A program control card provides the additional required data. The format of the control card is as follows:

<u>CARD COL.</u>	<u>VALID PARAMETERS</u>	<u>DESCRIPTION</u>
1-4	Numeric YYMM	Selected date, year, month
5-75	Blank	
76-80	R7119	Control card ID

3.1.2 Output. Output from program R7119P is a disk data set in the format of the Gazetteer file.

3.2 Characteristics, Organization, and Detailed Description of System Data.

- (a) Identification: The input file data set name is R710702. The output data set name is R722201 with a logical record length of 150 bytes, blocking factor 20.
- (b) Function: The Gazetteer file is used to produce the Gazetteer Report (program R7120P) for the HES.
- (c) Content: See appendix F for the record field contents.
- (d) Storage: Approximately 400 tracks are allocated to the Gazetteer file.

3.2.1 Organization. Data fields are described in appendix E and in the HES Basic Master File.

3.3 Tables. Table 3-1 contains the messages displayed by program R7119P.

Table 3-1

PROGRAM MESSAGES

MESSAGE

ALL FILES OPENED

Indicates that all necessary files were successfully opened. This message is also displayed on the console for the operator.

GAZ DATE RECORD WRITTEN

The control card date was valid and this date has been used to format the date record (record 1) which has just been written on the Gazetteer file.

INVALID DATA ON CONTROL CARD - ABORT

Bad date on control card.

INVALID CONTROL CARD COL 76-80 - ABORT

Columns 76-80 do not contain R7119.

CONTROL CARD = Control Card Data

Display of control card contents.

HES/70 MASTER CONTAINS x RECORDS

x is a record count of the total HES master file records processed.

GAZE FILE CONTAINS W VILLAGE RECORDS

Give totals by hamlet and village records in the Gazetteer file produced successful end.

GAZ FILE CONTAINS Y HAMLET RECORDS

Give totals by hamlet and village records in the Gazetteer file produced successful end.

GAZ FILE CONTAINS Z TOTAL RECORDS

Give totals by hamlet and village records in the Gazetteer file produced successful end.

* * * END OF JOB - R7119 * * *

3.3.1 Job Control Language. Data definition (DD) statements containing the following information are required for execution:

<u>FILE</u>	<u>DD NAME</u>	<u>DSNAME</u>
HES Basic Master	HESBASIC	R710702
Gazetteer	GAZFILE	R722201
Control Card (Reader)	SYSIN	Input Stream

4. PROGRAM ASSEMBLING, LOADING, AND MAINTENANCE PROCEDURES.

4.1 Input/Output Requirements. Maintenance listings are provided under separate cover. Source decks are retained on a HES source magnetic tape (R7107HES).

4.2 Procedures. Execution of procedure R7973C invokes program R7119P which can be run anytime in the HES cycle after the creation of the HES Basic Master file (R710702) for the desired month.

4.3 Verification. Cross-checking with other reports obtained from the HES basic master file.

4.4 Listings. Listings appear under separate cover.

Appendix A

SYSTEM ABBREVIATIONS, MNEMONICS, AND TERMS

Appendix A

SYSTEM ABBREVIATIONS, MENMONICS, AND TERMS

HES	Hamlet Evaluation System
MACCORDS	Military Assistance Command Civil Operations and Rural Development Support
MACV	Military Assistance Command, Vietnam
QTAB	Question Table. The first set of records in the HES master file which describes the content and order of all questions and models in the system.
USID	United States Identification Number. A unique nine-digit number to afford positive identification of each hamlet, village, district, province, and military region in the Republic of Vietnam
UTM	Universal Transverse Mercator. A standard grid system used to identify geographical points or areas.

Appendix B

SYSTEM LOGIC CHART

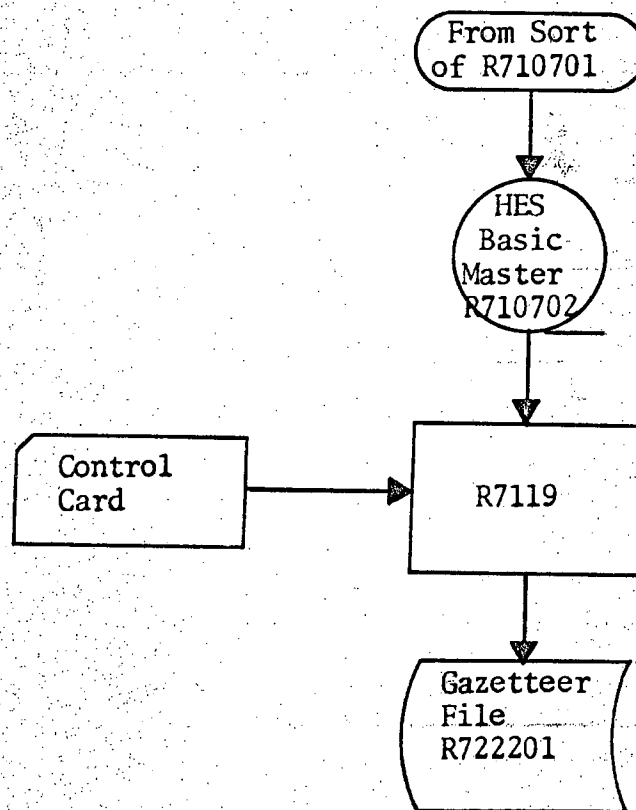


Figure B-1
SYSTEM LOGIC CHART

Appendix C

PROGRAM LOGIC CHART

C - 1

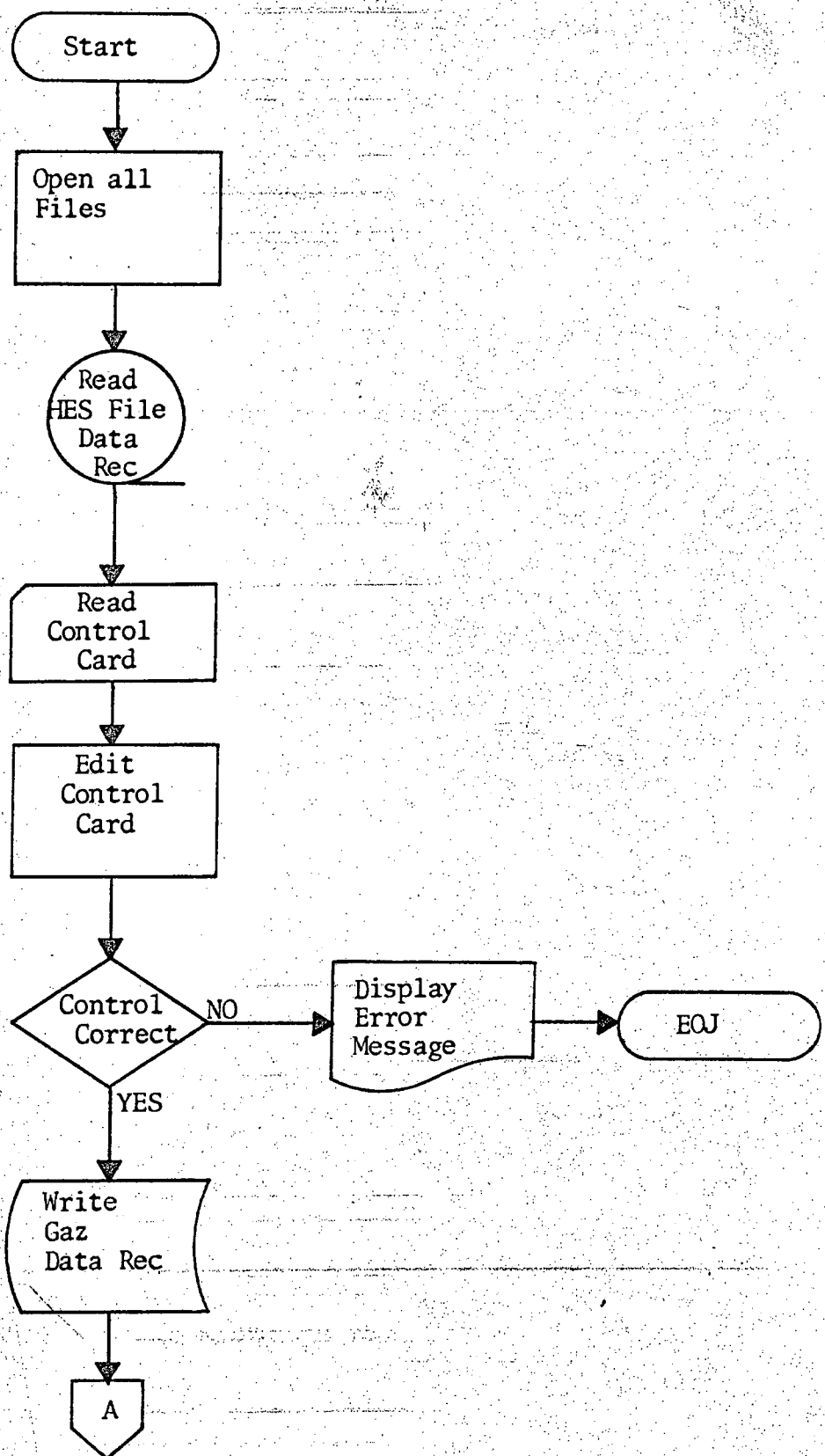


Figure C-1

PROGRAM LOGIC CHART (Sheet 1 of 2)

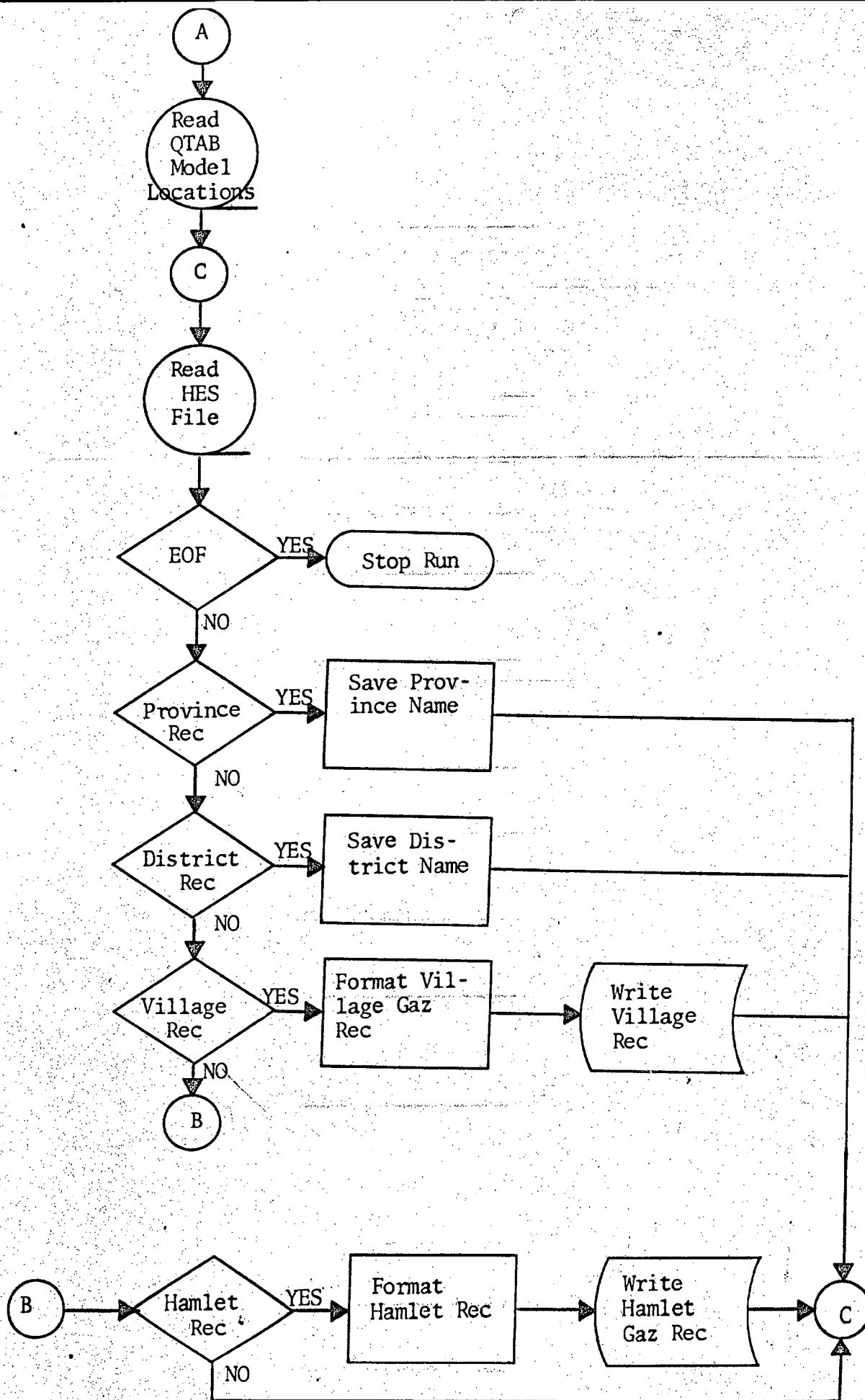


Figure C-1
PROGRAM LOGIC CHART (Sheet 2 of 2)

Appendix D

LISTINGS *

* Provided under separate cover

Appendix E

INPUT RECORD LAYOUT

[illegible]

Appendix F

OUTPUT RECORD LAYOUT

RECORD LAYOUT FORM										GAZETTEER FILE										SHEET 1 OF 3 SHEETS																					
SYSTEM NAME: HES										EFFECTIVE DATE: 1 APRIL 1971																															
Record Name	Base	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40
Date Record	0	Zero Filler																																							
	40																																								
	80											<div>File Date</div> <div>Y Y M M</div>																													
	120																																								

1

2

3

4

5

6

7

8

9

10

1

2

3

4

5

6

7

8

9

20

1

2

3

4

5

6

7

8

9

30

1

2

3

4

5

6

7

8

9

40

0

40

80

120

Zero Filler

File Date

Y Y M M

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RECORD LAYOUT FORM		GAZETTEER FILE																				SHEET 2 OF 3 SHEETS																			
SYSTEM NAME:		HES																				EFFECTIVE DATE: 1 APRIL 1971																			
Record Name	Base	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40
Village Record	0	Village USID										Province Name										District Name																			
	40	District Name										Village Name																													
	80											Model Rating *					Total Pop															Perm Pop					Temp Pop				
																						A	B	C	D	E															
	120	Admin ID																																							
		* A = PAM01 D = MAM02 B = PAM02 E = MAM03 C = MAM01																																							

RECORD LAYOUT FORM										GAZETTEER FILE										SHEET 3 OF 3 SHEETS																					
SYSTEM NAME: HES										EFFECTIVE DATE: 1 APRIL 1971																															
Record Name	Base	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	20	1	2	3	4	5	6	7	8	9	30	1	2	3	4	5	6	7	8	9	40
Hamlet Record	0	Hamlet USID										Province Name										District Name																			
	40	District Name										Village Name										Hamlet Name																			
	80	Hamlet Name										Model Rating*					Total Pop					Perm Pop					Temp Pop														
												A	B	C	D	E																									
	120	Admin ID										UTM										F					G					H									
		* A = PAM01 E = MAM03 B = PAM02 F = Urban/Rural C = MAM01 G = SUM02 D = MAM02 H = SUM09																																							

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MILITARY ASSISTANCE COMMAND, VIETNAM

HAMLET EVALUATION SYSTEM (HES)

1 September 1971
MACV DOCUMENT NUMBER
DAR R70-79
CM-01B

Prepared for
RESEARCH AND ANALYSIS DIRECTORATE
CIVIL OPERATIONS AND RURAL DEVELOPMENT SUPPORT

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REPORT NUMBER R7223.00.0

HES. VILLAGE/HAMLET GAZETTEER

PAGE 1

RUN DATE 16 MAR 71

AS OF 28 FEB 71

USID SEQUENCE

CORPS - 1
PROVINCE - QUANG TRI

DISTRICT	VILLAGE	HAMLET	USID	UTM	TOTAL	POPULATION PERM	TEMP	N-HAM	ADMIN ID
HAI LANG	HAI-AN		101010100		4,413	2,796	1,617	0	101010103
HAI LANG	HAI-AN	TAN-AN	101010101	YD466584	1,364	1,364	0		101010100
HAI LANG	HAI-AN	MY-THUY	101010102	YD466583	1,048	1,048	0		101010100
HAI LANG	HAI-AN	THUAN-DAU	101010103	YD466585	384	384	0		101010100
HAI LANG	HAI-AN	TRUNG-AN (B)	101010104	YD461586	930	0	930		101010600
HAI LANG	HAI-AN	THAM KHE (B)	101010105	YD463584	687	0	687		101010600
HAI LANG	HAI-BA		101010200		3,785	3,785	0	0	101010201
HAI LANG	HAI-BA	BA DU	101010201	YD448540	288	288	0		101010200
HAI LANG	HAI-BA	CO-LUY	101010202	YD454535	1,207	1,207	0		101010200
HAI LANG	HAI-BA	DA-NGHI	101010203	YD458529	569	569	0		101010200
HAI LANG	HAI-BA	PHUONG LANG DUONG	101010204	YD442547	1,147	1,147	0		101010200
HAI LANG	HAI-BA	PHUONG LANG TAY	101010205	YD436553	479	479	0		101010200
HAI LANG	HAI-BA	PHU-HAI	101010206	YD420553	95	95	0		101010200
HAI LANG	HAI-CHANH		101010300		3,402	3,402	0	0	101010303
HAI LANG	HAI-CHANH	HOI-KY	101010301	YD471401	442	442	0		101010300
HAI LANG	HAI-CHANH	VAN-PHONG	101010302	YD480384	117	117	0		101010300
HAI LANG	HAI-CHANH	MY-CHANH	101010303	YD464401	1,365	1,365	0		101010300
HAI LANG	HAI-CHANH	TAN-LUONG	101010304	YD464396	257	257	0		101010300
HAI LANG	HAI-CHANH	XUAN-LOC	101010305	YD457394	352	352	0		101010300
HAI LANG	HAI-CHANH	VUC-KE	101010306	YD464396	119	119	0		101010300
HAI LANG	HAI-CHANH	TRUNG-CHANH	101010307	YD468388	398	398	0		101010300
HAI LANG	HAI-CHANH	TAN VAN HIEP	101010311	YD464404	352	352	0		101010300
HAI LANG	HAI-DUONG		101010400		1,798	1,798	0	0	101010401
HAI LANG	HAI-DUONG	DONG-DUONG	101010401	YD508493	200	200	0		101010400
HAI LANG	HAI-DUONG	DIEN-KHANH	101010402	YD492503	740	740	0		101010400
HAI LANG	HAI-DUONG	AN-NHON	101010403	YD511494	194	194	0		101010400
HAI LANG	HAI-DUONG	XUAN-VIEN	101010404	YD516492	232	232	0		101010400
HAI LANG	HAI-DUONG	KIM-GIAO	101010405	YD486508	432	432	0		101010400
HAI LANG	HAI-KINH		101010500		3,821	3,821	0	0	101010501
HAI LANG	HAI-KINH	HUNG-NHON	101010501	YD485445	854	854	0		101010500
HAI LANG	HAI-KINH	AN-THO	101010502	YD493451	1,244	1,244	0		101010500
HAI LANG	HAI-KINH	PHU-KINH	101010503	YD497458	1,433	1,433	0		101010500
HAI LANG	HAI-KINH	HOI-DIEN	101010504	YD475469	290	290	0		101010500
HAI LANG	HAI KHE (B)		101010600		0	0	0	0	101010602

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Figure 2-18
HES GAZETTEER

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GLOSSARY

This glossary contains definitions of terms, abbreviations, and acronyms used in the text of this manual. Terms used in the HES Question-Set are defined in Annex D (The HES Glossary) to the Hamlet Evaluation System Handbook, June 1971.

<u>Term</u>	<u>Definition</u>
ADP	Automatic Data Processing
ARVN	Army of the Republic of Vietnam
COMUSMACV	Commander, United States Military Assistance Command Vietnam
CRA	Conditions Requiring Attention Report
DEROS	Date of eligibility for return from overseas
DDR	Data Discrepancy Report
District Chief	The official appointed by the GVN to administer district affairs. In most cases, District Chiefs are GVN military officers.
DMA	Data Management Agency. The MACV agency that provides data processing support for the MACCORDS automated systems.
DPS	Data Presentation System
DSA	District Senior Advisor. The officer (or civilian) in charge of and responsible for the operation of U.S. district advisory teams. These teams are assigned to each district in RVN where there is a GVN District Chief. One responsibility of the DSA is to assure the timely completion and submission of the HES Update Form.
FWMAF	Free World Military Assistance Forces. Military forces other than US assisting GVN in RVN.
GCA	Generalized Condition Analysis
GVN	Government of Vietnam. The legal, elected government of the Republic of Vietnam.
GVN Serial Number	A three-digit number assigned by GVN to selected hamlets in Vietnam. Unlike the USID number, the GVN Serial Number may be duplicated or reused. GVN Serial Numbers should, however, be unique within each province. Typically, IDs are only assigned to "official" GVN hamlets.

GLOSSARY (Cont.)

<u>Term</u>	<u>Definition</u>
Hamlet	In some districts, hamlets are identified as geographic areas with surveyed boundaries which are contiguous throughout a village. In other areas, hamlets are identified only as an area of massed population without clearly defined boundaries. Hamlets exist for the purpose of internal village administration, and the number of hamlets within a specific village may fluctuate over a period of time according to the administrative needs of the village.
HES	(1) Hamlet Evaluation System. Automated System R10, designed for the evaluation of the pacification program at the hamlet level, which identified significant problem areas in addition to maintaining a hamlet data base. This system was supplanted by HES/70. (2) Hamlet Evaluation System. Automated System R70-79, implemented in 1970 as HES/70 and reaggregated for 1971. The reaggregated HES, R70-79 is the subject of this Command Manual.
HES/70	Hamlet Evaluation System 1970. The first version of Automated System R70-79, developed for the evaluation of the pacification program at both the hamlet and village level. The system was revised for 1971 and retermed the reaggregated HES.
HES Ledger Card	Hamlet and Village Ledger Cards. The cards used by DSAs in the field to record hamlet and village evaluation data.
HES Newsletter	A letter written by MACCORDS-RAD analysts to the DSAs and PSAs containing messages concerning erroneous updating, special problems, or messages of appreciation. (See Appendix E.)
MACCORDS	Military Assistance Command Civil Operations and Rural Development Support. The MACV agency responsible for the management of the US pacification effort in Vietnam.
MACCORDS-RAD	MACCORDS-Research and Analysis Directorate. The MACCORDS agency responsible for the design, development, and maintenance of most pacification systems, the distribution of pacification system reports, and the analysis of pacification data.
MACCORDS-RAD/A	MACCORDS-RAD, Analysis Division. The division of MACCORDS-RAD responsible for the review, error correction, and analysis of HES data, and the preparation of requests for reports in support of stated user requirements.
MACCORDS-RAD/ADF	MACCORDS-RAD, Automatic Data Processing Division. The division of MACCORDS-RAD responsible for coordinating production, programming resources, and distribution of the HES reports.

GLOSSARY (Cont.)

<u>Term</u>	<u>Definition</u>
MACV	Military Assistance Command, Vietnam.
Model	Any one of the 30 pacification indicators monitored in HES at any of the five levels. (The HES Model Hierarchy is shown in Figure 1-2).
MR	Military Region. RVN is divided into four military regions, formerly known as Corps Tactical Zones (CTZ), or corps.
NMCSSC	National Military Command System Support Center
Non-Hamlet Population	Population not living in, or not counted as living in, hamlets. May include refugees, migrants, members of the RVNAF and their families, and widely dispersed population.
PCM	Punched Card Machine
PSA	Province Senior Advisor. The officer in charge of and responsible for the U.S. province advisory team. One team is assigned to each province to advise the GVN Province Chief. One responsibility of the PSA is to ensure the timely completion and submission of HES Update Forms by the districts within the province.
PSDF	People's Self-Defense Force
Q-TAB	Question Table. The first set of records in the HES Basic Master File, which describe the content and order of all questions and models in the system.
Question Number	Each HES question is referenced by a three-position alpha, two-position numeric identification code. The first position designates hamlet or village level. The second position designates quarterly or monthly reporting. The third position designates the topic group. The two-digit number is the question number within the topic group:

H	Q	A	03
hamlet	quarterly	topic group	question number

V	M	B	02
village	monthly	topic group	question number

GLOSSARY (Cont.)

<u>Term</u>	<u>Definition</u>
Rural Development	
RD	
RVN	Republic of Vietnam
RVNAF	Republic of Vietnam Armed Forces
Rural Population	Population living in sparsely-populated hamlets, having limited or no commercial enterprises and relying on agriculture, forestry, or fishing for their livelihood.
TAOR	Tactical Area of Responsibility. A 14-segment breakdown of RVN along province boundaries according to ARVN Divisions' areas of responsibility. (Formerly, Division Tactical Area (DTA)).
Topic Group	Sets of HES questions dealing with the same topic or subject. A topic group can consist of both hamlet and village level questions and be reported both monthly and quarterly. Each topic group is assigned an identification letter (see Question Number).
Urban Population	Generally, population living in densely-populated hamlets having a significant business community.
US	United States
USAID	United States Agency for International Development
USID	United States Identification Number. Each component geopolitical level in RVN (hamlet, village, district, province, military region) has a unique U.S.-assigned identification number (USID or, commonly, ID). To afford complete identification of all levels, from region (the highest reporting unit) to hamlet (the lowest reporting unit), a nine-digit USID number is used, as shown below.

4	3	0	0	1	0	4	0	1
region		province		district	village		hamlet	

Note that region is the highest reporting unit and hamlet is the lowest. The first digit is the military region number; the second and third digits are the province number; fourth and fifth digits are the district number; sixth and seventh digits are the village number; and the eighth and ninth digits are the hamlet number.

GLOSSARY (Cont.)

<u>Term</u>	<u>Definition</u>
UTM	Universal Transverse Mercator. A standard grid system used to identify geographic points of areas. In HES; eight-position UTM coordinates are used (grid square plus six digits), providing accurate location of the hamlet geographic population centers to within 100 meters.
VC	Viet Cong
Village	Villages typically have surveyed boundaries and form contiguous coverage of the area of each district in the country. The average Vietnamese village contains five hamlets, although the number may vary from one to twenty five or more. A legal entity with administrative autonomy, the village is the basic echelon for rural administration in Vietnam.

QUAN

MR I

QUANG NAM

MR I

010000801 000010000000

QUANG TRI

MR I

THUA THIEN

YOUNG TRI

1 GIO LINH

TAN HOA (8)

01040547YD11558300030VQUAN

RA THANH 2

1

137 141

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```
CHAR  
ZONE      44444444444444444444  
NUMR      00000000000000000000  
1301-8.5.6.10...15...20
```

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

[illegible]