



# *National Archives and Records Administration*

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## LIST OF DOCUMENTATION

System and/or File Title:

Mine Warfare Operations File (MINEA);  
May 9, 1972 – January 14, 1973

	Number of Pages
I. NARA Documentation	
1. List of Documentation (Folder 1)	1 pg.
2. Note to Documentation (Folder 1)	1 pg.
3. User Note (Folder 1)	9 pg.
4. Supplemental User Note (Folder 1)	1 pg.
5. Supplemental User Note II (Folder 1)	2 pg.
6. NARA Created Record Layout (Folder 2)	11 pg.
7. ASCII Rendered File Report (Folder 3)	3 pg.
8. NIPSTRAN Program Users Guide (Folder 3)	23 Pg.
II. Agency Documentation	
1. National Military Command System Information Processing System (NIPS) Documentation Note (Folder 4)	2 pg.
2. Application File Description (Duplicate Copy) no date (Folder 5)	27 pg.
3. Application File Description (Original Copy) no date (Folder 6)	27 pg.
III. Other Materials	
1. Subroutines (Duplicate Copy) (27 Aug 75) (Folder 7)	67 pg.
2. Subroutines (Original Copy) (27 Aug 75) (Folder 8)	67 pg.
Total	241 pg.
IV. NARA Processing Materials	
1. Automated Validation of Electronic Records (Folders 9-10)	
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Accession No.: NN3-218-76-030

Prepared by: Andrea Shahmohammadi, Archivist

Date: August 26, 2010

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## USER NOTE

**System and/or File Title:** **Mine Warfare Operations File (MINEA)**  
**May 9, 1972 – January 14, 1973**

### **I. Introduction**

Background. MINE WARFARE OPERATIONS FILE (MINEA) is one of four computer files created by the Office of the Joint Chiefs of Staff (OJCS), Operations Directorate (J-3) to document the activities of the U.S. Navy in the Vietnam War. MINEA contains data on all mine seeding operations conducted by the United States in North Vietnam during the period from May 1972 to January 1973. This was the only period of the war during which the United States was engaged in extensive mine laying activities north of the demilitarized zone (DMZ). Data from two operations, Pocket Money and Linebacker, is included in the file. Pocket Money was concerned with the blocking of Haiphong and other harbors in North Vietnam, and Linebacker was concerned with the blocking of interior waterways. Strings of mines were delivered by aircraft taking off from naval carriers. Whether magnetic or acoustic, the mines deactivated by themselves after a specific period of time depending on the type of mine. The purpose of the file was to keep track of the location of active mines.

The source documents for the file were the Commander's Operation Reports (OPREP), which were formatted messages sent by the U.S. Military Assistance Command – Vietnam (MACV) via teletype to OJCS. The OPREP system, consisting of five types of reports corresponding to five stages in the operations being reported, was begun in the early 1960's and used during the Vietnam War to transmit data quickly from the field to decision makers in Washington. MINEA data was derived from daily OPREP-4 or operation completion reports. Examples of OPREP reports relating to naval activities can be found at the Naval History Division, Operational Archives Branch. These input reports may still be classified even though the machine-readable file has been declassified. The file was created and maintained with the aid of IBM, Arlington, Virginia.

Technical. MINEA was originally created according to the National Military Command Systems Support Center (NMCSSC) Information Processing System 360 Formatted File System (NIPS 360 FFS), which was a generalized file handling system designed for easy preparation of reports. NIPS records consist of a control set, a fixed set, and variable numbers of one or more periodic sets. MINEA was set up to contain two periodic sets, but data was placed in only one periodic set. Thus a record in MINEA consists of control set, fixed set, and a variable number of periodic set 1.

File Description. There is one record for each date and location of mine seeding for a total of 554 records. The control set for each record consists of the location of the mine seeding activity ("segment"), and the date and hour of the OPREP-4 message. The location of mine seeding is broken down into 124 areas. In the fixed set are listed the operation code, the

unit identification code of the ship and the carrier task group, the type of area seeded (coastal, land, waterways), and the general area seeded. In addition the fixed set contains administrative data on the record.

Each repeating subset of items (periodic set 1) contains data on a particular string of mines laid. Items include the string activation date; the "safe date" for the string; the interval between mines; the type of mines; the quantity of mines of each level of sensitivity; Universal Transverse Mercator coordinates and the latitude and longitude coordinates of the beginning and end of the string; and aircraft type, callsign, and number of sorties flown by the aircraft delivering the string. The "safe date" and the latitude/longitude coordinates were calculated by means of special NIPS programs. The file documentation provided by OJCS includes a table for each type of mine which gives the probability that the mine will have deactivated after a given number of days. According to members of the IBM systems support group, during the period of heavy mining activity, there was a severe solar storm which was thought to have destroyed most of the mines laid. Apparently, at that time all active mines in the file were "deactivated" by the substitution of the date of the storm for the safe date.

A second periodic set was to have provided data on mines lost. Such data was never entered into the data file.

As a result of the Peace Agreement in January 1973, United States forces agreed to sweep and deactivate the mines it had previously laid. The data from this minesweeping activity is included in another file, MINE COUNTERMEASURES ACTIVITY FILE (MICMA).

Frequency and nature of use. MINEA was an important and actively used file. During the period of mining, the file was used to determine which areas of North Vietnam needed reseeded. After the peace agreement, the file was used again to determine where it was necessary to sweep mines. MINEA was supposedly attempted as a model for future mining situations. The Pacific Regional Office of OJCS kept a hand log of the same data as on the tape, but the data on the tape was found to be more accurate. Four standard reports were prepared with each daily update of the file and distributed to J-3. A list of these reports is included in the documentation. In addition a number of ad hoc reports were made in order to answer special requests.

## **II. National Military Command System Information Processing System (NIPS)**

Overview. The National Military Command System Information Processing System 360 Formatted File System, commonly referred to as NIPS or NIPS 360 FFS, was developed in the 1960's under contract with the International Business Machines Corporation (IBM). It was a data management system which was operational on IBM System / 360 and System / 370 computers. NIPS provided data management support to structure files, generate and maintain files, revise and update files and data, select and retrieve data, and generate reports. NIPS used an IBM generalized file management system known at IBM as the

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Formatted File System (FFS). Originally implemented on the IBM 1410 computer, NIPS was primarily run on the IBM System 360 and was used for a variety of data related to the Vietnam War. The Mine Warfare Operations File (MINEA) was transferred to the National Archives and Records Service (NARS) in the NIPS format. The MINEA file in the NIPS format will be maintained as permanent based upon a decision of the Director, Electronic and Special Media Records Services Division (NWME) on April 2, 2002.

NIPS Format. Each NIPS file is organized into variable-length records, blocked and spanned. Although the bulk of the file is data, the beginning of the file consists of supporting information used during file maintenance, data retrieval, and output processing, such as the security classification record, data file control records, element format (field definitions) records, and file maintenance logic statement records. The sixth character of each logical record (following the four-character logical record length indicator and a system character) in the data file is used as a code indicating the type of information in that record (B = classification record, C = data file control record, F = element format record, L = file maintenance logic statement record, and R = data records).

A NIPS database consists of data elements organized into "Sets." The current view of these sets would be tables as all records, or rows, in these sets have the same format. Unfortunately, the historical documentation never refers to individual rows in these tables as records. The meaning of records in the historical documentation was logical assemblies of various rows from all the sets. Regardless of the terminology, the results are the same.

A NIPS database has one table (referred to as the Fixed Set) and multiple additional tables (referred to as Periodic Sets). There is a unique "key" in each row of the Fixed set which points to none to many rows in each Periodic Sets. The key is called the Control Set (an ambiguity since "Set" now has multiple meanings, I.E. a table and a key). This represents a one-to-many relationship and provides a hierarchical relationship of one and only one level.

Each row in a periodic set has none-to-many occurrences of the Control Set (key). A Subset (yet another use of the word set) is appended to the Control set (key) and represents a unique row in each periodic set (Table).

See NIPSTRAN Program Users Guide Version 3.4.1.0, for more information.

NIPS Documentation. A single set of the NIPS documentation is located in Stack 530 in the documentation for accession NN3-218-76-025, Combat Air Summary File (OPREA), 1962-73 (AKA Air Operations File). The table below lists the titles of the NIPS documentation.

<b>Title</b>	<b>Date</b>
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume I, Introduction to File Concepts	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume II, File Structuring (FS)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume III, File Maintenance (FM)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume IV, Retrieval and Sort Processor (RASP)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume V, Output Processor (OP)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume VI, Terminal Processing (TP)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume VII, Utility Support (UT)	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume VIII, Job Preparation Manual	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), User's Manual, Volume IX, Error Codes	1-Jul-71
National Military Command System Information Processing System 360 Formatted File System (NIPS 360 FFS), Technical Report TR 80-72, NIPS Processing Handbook	1-Feb-73
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), General Description	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume V, Output Processor (OP)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume VI, Terminal Processing (TP)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume VII, Utility Support	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume VIII (Revised) Job Preparation	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), User Manual, Volume, IV, Retrieval & Sort Processor (RASP)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume I, Introduction to File Concepts	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume II, File Structuring (FS)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume III, File Maintenance (FM)	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Users Manual, Volume IX, Error Codes	1-Sep-78
NMCS Information Processing System 360 Formatted File System (NIPS 360 FFS), Installation of NIPS 360 FFS	1-Sep-78

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### **III. ASCII Rendered File Conversion Process**

Vietnam NIPS ASCII Rendered Files Project. In 2007 a new software program, NIPSTRAN Version 3.4.10 was implemented to translate NIPS files into more usable ASCII Rendered Tables Data Files. The NIPSTRAN program developed by NARA, Electronic Records and Special Media Division, provides a tool to both analyze and extract into relations tables the data content of NIPS System backup or dump tapes. The NIPS file must be unaltered from the original which includes the record lengths as the first data in each record. Unfortunately, it has been discovered that some files were either transferred to NARA in a different format or were later altered before preservation. Additionally, the Archival Preservation System (APS) can produce reference copies using various options that make the resulting file unusable by this program.

When a NIPS file is read by the NIPSTRAN program, each data field label is looked up in the Agency Documentation (Data Dictionary) and any matches found have their descriptions and value information printed along with the layout for each table in the database. By adding entries in the Data Dictionary, archivists may build a cross reference of label uses that hopefully help in both keeping track of the meaning and enhance the archivist efforts to determine the meaning of undocumented labels.

NIPSTRAN generates one Report File and one Layout File. The Report File has the same name as the NIPS input file with “.REPORT.ASCII.TXT” appended to the file name. This Report File details metadata found in the NIPS file and generates a listing of the data field in each table. The Report also lists the size and number of records of each table in the NIPS file.

The Layout File of the NIPS file is generated as an HTML file that contains the labels and full names of each data field in the file as well as information about that label from both the metadata of the NIPS file and the Agency Documentation (Data Dictionary). The generated Layout File has the same name as the input file with “.LAYOUT.HTML” appended to the file name. The Report File shows each record starting at offset 1 as opposed to the Layout which starts at zero. However, the position in the Report File starts at one since most researchers use a one based counting system. The next column identifies from where the information is being drawn (NIPS Metadata or Agency Documentation (Data Dictionary)). Then the next column is the length of the stored value. Since this is always ASCII, the stored length is always the external or display length. This is followed by the data type, who defined the label if the information was extracted from the NIPS file, and then the dataset grouping if from Agency Documentation.

The ASCII Rendered Data Files created by NIPSTRAN are fixed fielded records of constant length. Each table representing each “Set,” both the Fixed Set and the Periodic Sets, are output as separate files. These files were verified using the Archival Electronic Records Inspection and Control (AERIC).

NIPSTRAN also generates a Tab Delimited file for each table in the NIPS file. Each table representing each “set,” both the Fixed Set and the Periodic Set, are output as separate files. The first row of each Tab Delimited file includes the field labels. If a label is preceded with a special symbol, I.E. a plus sign, then the delimited output of the first row has a single blank or space character preceding that label. This allows programs like Microsoft Excel to treat the label as textual information and not a mathematical operation.

See NIPSTRAN Program Users Guide, Version 3.4.1.0, for more information.

File Identification. The MINEA NIPS file was identified using the Archival Preservation System (APS) catalog database. A search query was formulated to provide all catalog records for data files in Record Group 218. MINEA is assigned to Record Group 218. The output report provided information for Record Group 218 that included the following: short title, file name, and accession number. This information is derived from data found in 5 fields in the File Master table in the APS catalog database. The short title is the field “stitle” in the File Master table. The file name is the field “fid” in the File Master table. The accession number is a combination of 3 fields “rgnum,” “accyear,” and “accitem” in the File Master table. The accession number for MINEA, May 9, 1972 – January 14, 1973 is NN3-218-76-030. The MINEA NIPS files had the following data in the previously described fields: an accession number of 218-1976-030A, the alphabetic character string of “MINEA” and “NIPS” in the short title, and the alphabetic character string of “MINEA” in the file name. Additionally each file has a unique number in the APS catalog database know as an XMIS number which is the field “fxno” in the File Master table. The following is a table listing the MINEA NIPS file identified from the APS catalog.

<b>XMIS #</b>	<b>Accession Number</b>	<b>Short Title</b>	<b>File Name</b>
12778	218-1976-030A	MINEA_70_73_NIPS	MINEAS

Reference Request. An exact copy of the MINEA NIPS files was requested on compact disk (CD).

Conversion Program. The MINEA NIPS file was converted by NIPSTRAN into two ASCII Rendered Table Data Files, one for each set or table in the NIPS file. The program requires no installation as system wide settings are not required to run the program. A user or archivist simply copies the program executable onto his Windows Workstation Desktop. The program requires Windows XP or later.

See NIPSTRAN Program Users Guide for more information.

File Translation Production. A single MINEA NIPS file was translated into two ASCII Rendered Table Data Files, one fixed table and one periodic table. Although the MINEA NIPS file contains one fixed and two periodic tables, a preservation copy was only made for the fixed and periodic table 1 because periodic table 2 contained no data.

NIPS Files			ASCII Rendered Files			
XMIS #	File Name	# of Records	XMIS #	File Name	# of Records	Type
12778	MINEAS	2214	91510	MINEA.AR.FIX	554	Fixed
			91511	MINEA.AR.PER1	1545	Fixed
			91512	MINEA.AR.FIX.TAB	554	Comma Delimited
			91513	MINEA.AR.PER1.TAB	1545	Comma Delimited

Initial Verification. The translated ASCII Rendered Table Data files were verified with VEdit 6.1 by manually checking a random sampling of the data against the expected values from the Agency Documentation. Additionally a visual inspection was performed to ensure the data's column width was consistent throughout the file. After the initial verification, the currently established NWME procedures were used to preservation copy and verify the MINEA ASCII Rendered Table Data Files.

Automated Verification. The MINEA ASCII Rendered Data Files in a fixed length format were verified using the Archival Electronic Records Inspection and Control System (AERIC).

Manual Verification. The MINEA NIPS file contains both Extended Binary Coded Decimal Interchange Code (EBCDIC) characters and binary characters. The MINEA NIPS file is organized into variable length records. Although the majority of the file is data, the beginning of the file contains information such as the security classification record, data file, control records, element format (field definitions/File Format Table) records, and file maintenance logic statement records. Because of the variable length records without a fixed length format, the file was manually verified using a printed copy of the hex and EBCDIC dumps of the first and last blocks produced by the Archival Preservation System (APS). From the dumps the review of the dumps indicated that the data in the file was in the expected NIPS format starting with the classification record followed by the formal records.

The MINEA ASCII Rendered Tab Delimited Data Files are organized into variable length records. The first line of the ASCII Rendered Tab Delimited Data Files contains the labels of the data values of each record in the file. The Archival Services manager made a decision on July 26, 2007, to only verify the ASCII Rendered Data Files in a fixed length format with the Archival Electronic Records Inspections and Control System (AERIC). A manual verification of the Tab Delimited Data Files was performed by sampling data from the MINEA ASCII Rendered Data Files against the MINEA ASCII Rendered Tab Delimited Data Files in VEDIT 6.1. A small sample of data records values were compared between the MINEA ASCII Rendered Data Files in the fixed length format and MINEA ASCII Rendered Tab Delimited Data Files.

#### **IV. Agency Documentation**

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Acidic Paper. The paper of the Application File Description was determined to be slightly acidic. A copy of the documentation was made on non-acidic paper and is filed immediately before the original agency documentation.

Record Layout. There is a NARA created HTML Record Layout for the Mine Warfare Operations (MINEA) file (Folder 2). This layout was created from the information found in the original agency documentation and the metadata of the NIPS file.

## **VI. Data and Documentation.**

Minor discrepancies between the data and documentation were discovered during the data verification process. The discrepancies are characters within the data that were not within the expected values listed in the documentation. The explanations of the differences are listed alphabetically by Data Field Name and are described below.

Area Code: The agency documentation, Application File Description, MINEA, lists the expected numeric values as 01 – 09 that are found in the codes table ARTAB for the data element ARCODE in Record Positions 69 – 70. A number of records contain the numeric value of 10 that is not found in the agency documentation.

Begin UTM: The agency documentation, Application File Description, MINEA, lists the expected alphanumeric values for the data element UTM1 in Record Positions 97 – 106 as a Universal Transverse Mercator (UTM) geographic coordinate. A number of records contain values in Record Positions 97 - 106 that do not match the expected UTM format.

End UTM: The agency documentation, Application File Description, MINEA, lists the expected alphanumeric values for the data element UTM2 in Record Positions 107 – 116 as a Universal Transverse Mercator (UTM) geographic coordinate. A number of records contain values in Record Positions 107 - 116 that do not match the expected UTM format.

First Activation Date: The agency documentation, Application File Description, MINEA, lists the expected date format for the data element STIME in Record Positions 29 – 38. The agency documentation lists the date format as YYDDD (Julian Form) in Record Positions 29 – 33, and Record Positions 34 – 38 as not being used. The data contains numeric values in Record Positions 34 – 37 that appear to be in the hour format of HHMM.

Last Activation Date: The agency documentation, Application File Description, MINEA, lists the expected date format for the data element ETIME in Record Positions 39 – 48. The agency documentation lists the date format as YYDDD (Julian Form) in Record Positions 39 – 43, and Record Positions 44 – 48 as not being used. The data contains numeric values in Record Positions 39 – 48 that do not match the expected format.

Segment Name Code: The agency documentation, Application File Description, MINEA, lists the expected alphanumeric values found in the codes table SEGTAB for the data element SEGMN in Record Positions 1 – 6. A number of records contain alphanumeric values not found in the agency documentation.

Space Unit: The agency documentation, Application File Description, MINEA, lists F as the expected code value for the data element ICODE in Record Position 77. A single record contains the value of 7. A number of records contain the values of M and Y in Record Position 77 that do not match the expected format.



## SUPPLEMENTAL USER NOTE

**System and/or File Title:** **Mine Warfare Operations File (MINEA)  
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Two system generated originally hidden fields and one system generated non-hidden field usually occur in records ASCII-rendered from NIPS files.

They are:

**PCN**- The value in this three character, originally hidden, field is an indicator of the table to which this record belongs. A zero value indicates the Fixed Table, a value of 1 indicate Periodic Table one, etc.

**SCO**- This originally hidden field aligned in the Fixed Table with the sub-key of Periodic Tables. As a result, it was blank. This allowed for a uniform key length for all records.

**VSZ**- This field occurred in the Fixed Table (or, in the first Periodic Table, VSZ1, in the second Periodic Table, VSZ2, etc.) – The value in this field will almost always be zero. It represents the length of a possible variable length field in the record. The rules that IBM implemented in its Formatted File System, of which these NIPS fields are an offspring, stated that the last field in a record could be variable length. If no variable length field was used, this value was zero.

An additional field in the Period Table(s) or files is used as the secondary key. This is:

**PSSQn**- The value in this field, also called a sub-key, is used to sequence through all the records in the Period Tables having a common primary key. PSSQ1 was used for the first Periodic Table, PSSQ@ for the second Periodic Table, etc. For reasons unknown, the value 5000 is used in this field for the first matching record, 5001 for the second matching record, etc.



## SUPPLEMENTAL USER NOTE II

**System and/or File Title:** Mine Warfare Operations File (MINEA)  
May 9, 1972 – January 14, 1973

### Agency Documentation

Minor discrepancies were discovered between the code values and their descriptions.

In the codes table SEGTab for the data element SGMN the agency assigned two different descriptions to the code value W75. The two descriptions for code value W75 are VINH and GIA HOI RIVER.

In the codes table SEGTab for the data element SGMN the agency assigned multiple descriptions for the code values below.

CAP BOUTON (W17)	2121A
CAP BOUTON (W17)	2121B
CAP BOUTON (W17)	2121C
DONG HOI	2110A
DONG HOI	2110B
DONG HOI	2110C
DONG HOI	2110D
DONG HOI	2110E
HAIPHONG	2100
HAIPHONG	2101A
HAIPHONG	2101C
HAIPHONG	2101D
HAIPHONG	2102
HAIPHONG	2111A
HAIPHONG	2111B
HAIPHONG	2111C
HAIPHONG	2111D
HAIPHONG	2111E
HAIPHONG	2111F
HAIPHONG	2111G
HAIPHONG	2111H
HAIPHONG	2111I
HANOI	W34
HANOI	W55
HANOI	W69A
HON GAI	2104

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HON GAI	2105
LACH HUYEN	
(HAIPHONG)	2122A
LACH HUYEN	
(HAIPHONG)	2122B
LACH HUYEN	
(HAIPHONG)	2122C
QUANG KHE	2109A
QUANG KHE	2109B
QUANG KHE	2109C
QUANG KHE	2109D
QUANG KHE	2109E
QUANG KHE	W5A
THANH HOA	2115A
THANH HOA	2115B
THANH HOA	2115D
THANH HOA	2115E
THANH HOA	C6
THANH HOA	W18
THANH HOA	W22A
THANH HOA	W23A
THANH HOA	W27A
THANH HOA	W47
THANH HOA	W81A
VINH	2107
VINH	2108
VINH	2125C
VINH	W11A
VINH	W11B
VINH	W13
VINH	W17
VINH	W75
VINH	W9B

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NIPS (NMCS Information Processing System) Emulation based on the  
IBM(tm) FFS (Formatted File System)  
version 3.4.1.0 Dated Sep 26, 2007

Production of simple Relational tables in ASCII of User's  
Data File Records from NIPS System files dumped in image form

This emulator produces one file per table (Fixed Set and Periodic Sets) in ASCII format. Each data value is transformed from EBCDIC, NIPS Coordinate, Binary, Decimal, etc. into ASCII, ASCII encoded latitude-longitude geographic coordinate system, ASCII encoded Decimal values, etc. Each file is a table in fixed field and optionally formatted delimited values. The delimited values use either commas or tabs chosen by the user. The first row of values for each table are the NIPS Mnemonics allowing the importing of the data into spread sheets and databases with the correct column labels.

For more detail about the files produced, changes in the size of the data values, and other valuable information about the processes used, see the User's Reference Manual.

Two additional files are produced during this process. One file shows the analysis and summary of the input data and the other file shows the layout of each table file produced. If a data dictionary is used with the program, the definition of each Mnemonic is printed on the layout report.

Processing started: **Fri Oct 19 14:35:10 2007**

The option selected for "Output Delimited tables" is: **TRUE**

The delimiter selected is: **COMMA**

The NIPS file being processed is: **S:\NWME\NIPS\VN Bklg MINEA\MINEA.72.73.NIPS**

<b>Fixed Record Lengths by Table</b>	
(Includes "CR+LF" line termination)	
Table	Record Length
Fixed	72
Periodic 1	137
Periodic 2	79

### **Fixed Table**

Label	Pos	Offset	Authority	Len	Type	Defined by	In Dataset
SEGMN	1	(0x0000)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> SEGMENT NAME CODE <b><u>Description:</u></b> Contains the coded name of the segment <b><u>Code Table:</u></b> SEGTAB <b><u>Source:</u></b> File Description/ File Detail			
RECTYP	7	(0x0006)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Mining Data:Loss Data		MINEA
				<b><u>Title:</u></b> RECORD TYPE <b><u>Description:</u></b> Contains a code identifying the type of record <b><u>Code Table:</u></b> M:L <b><u>Source:</u></b> File Description/ File Detail			
DATE	8	(0x0007)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> MESSAGE DATE <b><u>Description:</u></b> Contains the date of the message in the form YYMMDD (IE.- 730101) <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
HOUR	14	(0x000D)	NIPS Metadata	4	Alphameric	User Defined	
			Agency Documentation	4	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> MESSAGE HOUR <b><u>Description:</u></b> Contains the hour of the message in the form HHMM (IE. -1342) <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
+PCN	18	(0x0011)	NIPS Metadata	3	Alphameric	System Generated	

				No agency or user documentation for this label.			
+SC0	21	(0x0014)	NIPS Metadata	4	Alphameric	System Generated	
				No agency or user documentation for this label.			
VSZ	25	(0x0018)	NIPS Metadata	4	Numeric	System Generated	
				No agency or user documentation for this label.			
STIME	29	(0x001C)	NIPS Metadata	10	Alphameric	User Defined	
			Agency Documentation	10	Alphanumeric Text		MINEA
				<b>Title:</b> FIRST ACTIVATION DATE <b>Description:</b> Contains the earliest activation date for the record. Positions 1-5 contain this date in Julian form - YYDDD. Positions 6-10 are not used. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
ETIME	39	(0x0026)	NIPS Metadata	10	Alphameric	User Defined	
			Agency Documentation	10	Alphanumeric Text		MINEA
				<b>Title:</b> LAST DEACTIVATION DATE <b>Description:</b> Contains the last deactivation date for the record. Positions 1-5 contain this date in Julian form - YYDDD. Positions 6-10 are not used. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
UPDATE	49	(0x0030)	NIPS Metadata	5	Alphameric	User Defined	
			Agency Documentation	5	Alphanumeric Text		MINEA
				<b>Title:</b> DATE OF UPDATE <b>Description:</b> Contains the Julian date on which the record was last updated. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
OPCOD	54	(0x0035)	NIPS Metadata	2	Alphameric	User Defined	
			Agency Documentation	2	Linebacker:Pocket Money		MINEA
				<b>Title:</b> OPERATION CODE			

				<b><u>Description:</u></b> Contains a code for the operation supported. <b><u>Code Table:</u></b> LB:PM <b><u>Source:</u></b> File Description/ File Detail			
CTGUIC	56	(0x0037)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> CTG UIC <b><u>Description:</u></b> Contains the UIC of the Carrier Task Group. <b><u>Code Table:</u></b> UICTAB <b><u>Source:</u></b> File Description/ File Detail			
SHPUIC	62	(0x003D)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> SHIP UIC <b><u>Description:</u></b> Contains the UIC of the ship. <b><u>Code Table:</u></b> UICTAB <b><u>Source:</u></b> File Description/ File Detail			
ARTYPE	68	(0x0043)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Coastal:Land:Waterways		MINEA
				<b><u>Title:</u></b> AREA TYPE <b><u>Description:</u></b> Contains a code for type of area seeded. <b><u>Code Table:</u></b> C:L:W <b><u>Source:</u></b> File Description/ File Detail			
ARCODE	69	(0x0044)	NIPS Metadata	2	Alphameric	User Defined	
			Agency Documentation	2	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> AREA CODE <b><u>Description:</u></b> Contains a code for the name of the area seeded. <b><u>Code Table:</u></b> ARTAB <b><u>Source:</u></b> File Description/ File Detail			

**Periodic Table 1**

Label	Pos	Offset	Authority	Len	Type	Defined by	In Dataset
SEGMN	1	(0x0000)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b>Title:</b> SEGMENT NAME CODE <b>Description:</b> Contains the coded name of the segment <b>Code Table:</b> SEGTAB <b>Source:</b> File Description/ File Detail			
RECTYP	7	(0x0006)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Mining Data:Loss Data		MINEA
				<b>Title:</b> RECORD TYPE <b>Description:</b> Contains a code identifying the type of record <b>Code Table:</b> M:L <b>Source:</b> File Description/ File Detail			
DATE	8	(0x0007)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b>Title:</b> MESSAGE DATE <b>Description:</b> Contains the date of the message in the form YYMMDD (IE.- 730101) <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
HOUR	14	(0x000D)	NIPS Metadata	4	Alphameric	User Defined	
			Agency Documentation	4	Alphanumeric Text		MINEA
				<b>Title:</b> MESSAGE HOUR <b>Description:</b> Contains the hour of the message in the form HHMM (IE. -1342) <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
+PCN	18	(0x0011)	NIPS Metadata	3	Alphameric	System Generated	

			No agency or user documentation for this label.			
PSSQ1	21	(0x0014)	NIPS Metadata	4	Alphameric	System Generated
			No agency or user documentation for this label.			
VSZ1	25	(0x0018)	NIPS Metadata	4	Numeric	System Generated
			No agency or user documentation for this label.			
QTYEXA	29	(0x001C)	NIPS Metadata	2	Numeric	User Defined
			Agency Documentation	2	Numeric	MINEA
			<b>Title:</b> QUANTITY OF A-TYPE MINES <b>Description:</b> Contains the number of A-Type sensitivity mines laid. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
QTYEXB	31	(0x001E)	NIPS Metadata	2	Numeric	User Defined
			Agency Documentation	2	Numeric	MINEA
			<b>Title:</b> QUANTITY OF B-TYPE MINES <b>Description:</b> Contains the number of B-Type sensitivity mines laid. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
QTYEXC	33	(0x0020)	NIPS Metadata	2	Numeric	User Defined
			Agency Documentation	2	Numeric	MINEA
			<b>Title:</b> QUANTITY OF C-TYPE MINES <b>Description:</b> Contains the number of C-Type sensitivity mines laid. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
QTYEXD	35	(0x0022)	NIPS Metadata	2	Numeric	User Defined
			Agency Documentation	2	Numeric	MINEA
			<b>Title:</b> QUANTITY OF D-TYPE MINES <b>Description:</b> Contains the number of D-Type sensitivity mines laid.			

				<b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
QTYEX	37	(0x0024)	NIPS Metadata	3	Numeric	User Defined	
			Agency Documentation	3	Numeric		MINEA
				<b><u>Title:</u></b> QUANTITY OF MINES <b><u>Description:</u></b> Contains the number of mines. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
LAT1	40	(0x0027)	NIPS Metadata	15	Coordinate	User Defined	
			Agency Documentation	15	COORD		MINEA
				<b><u>Title:</u></b> BEGIN LAT-LONG <b><u>Description:</u></b> Contains the starting Lat-Long of the string. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
LAT2	55	(0x0036)	NIPS Metadata	15	Coordinate	User Defined	
			Agency Documentation	15	COORD		MINEA
				<b><u>Title:</u></b> END LAT-LONG <b><u>Description:</u></b> Contains the ending Lat-Long of the string. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
SORTS	70	(0x0045)	NIPS Metadata	1	Numeric	User Defined	
			Agency Documentation	1	Numeric		MINEA
				<b><u>Title:</u></b> SORTIES <b><u>Description:</u></b> Contains the number of sorties flown. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
STRING1	71	(0x0046)	NIPS Metadata	2	Alphameric	User Defined	
			Agency Documentation	2	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> STRING NUMBER <b><u>Description:</u></b> Contains the string number from the			

				message. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
STRING2	73	(0x0048)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> SUB-STRING CONTROL <b><u>Description:</u></b> Contains a letter to provide uniqueness on string subsets. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
INTRVL	74	(0x0049)	NIPS Metadata	3	Alphameric	User Defined	
			Agency Documentation	3	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> INTERVAL SPACE <b><u>Description:</u></b> Contains a number giving the spacing between mines. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
ICODE	77	(0x004C)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Feet		MINEA
				<b><u>Title:</u></b> SPACE UNIT <b><u>Description:</u></b> Contains a code for the unit used in spacing mines. <b><u>Code Table:</u></b> F <b><u>Source:</u></b> File Description/ File Detail			
STIME1	78	(0x004D)	NIPS Metadata	9	Alphameric	User Defined	
			Agency Documentation	9	Alphanumeric Text		MINEA
				<b><u>Title:</u></b> ACTIVATION DATE <b><u>Description:</u></b> Contains the string activation date/time (YYDDDDHHMM). <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
ETIME1	87	(0x0056)	NIPS Metadata	9	Alphameric	User Defined	
			Agency	9	Alphanumeric		MINEA

			Documentation		Text		
				<b>Title:</b> SAFE DATE/TAB SETTING <b>Description:</b> Contains the safe date and tab setting (in days) for the string. Positions 1-5 are the safe date (YYDDD). <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
ORTYP	96	(0x005F)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Alpha		MINEA
				<b>Title:</b> ORDNANCE TYPE <b>Description:</b> Contains a code for type of mine laid. <b>Code Table:</b> ORDTAB <b>Source:</b> File Description/ File Detail			
UTM1	97	(0x0060)	NIPS Metadata	10	Alphameric	User Defined	
			Agency Documentation	10	Alpha		MINEA
				<b>Title:</b> BEGIN UTM <b>Description:</b> Contains the UTM coordinate wihat starts the string. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
UTM2	107	(0x006A)	NIPS Metadata	10	Alphameric	User Defined	
			Agency Documentation	10	Alpha		MINEA
				<b>Title:</b> END UTM <b>Description:</b> Contains the UTM coordinate that ends the string. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
ACRFT	117	(0x0074)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b>Title:</b> AIRCRAFT TYPE/MODEL <b>Description:</b> Contains the aircraft delivering the string (IE. - A6). <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			

SERIES	123	(0x007A)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Alpha		MINEA
				<b>Title:</b> AIRCRAFT SERIES <b>Description:</b> Contains the aircraft series letter. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
CALSGN	124	(0x007B)	NIPS Metadata	12	Alphameric	User Defined	
			Agency Documentation	12	Alpha		MINEA
				<b>Title:</b> CALLSIGN <b>Description:</b> Contains the aircraft callsign. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			

Periodic Table 2							
Label	Pos	Offset	Authority	Len	Type	Defined by	In Dataset
SEGMN	1	(0x0000)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b>Title:</b> SEGMENT NAME CODE <b>Description:</b> Contains the coded name of the segment <b>Code Table:</b> SEGTAB <b>Source:</b> File Description/ File Detail			
RECTYP	7	(0x0006)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Mining Data:Loss Data		MINEA
				<b>Title:</b> RECORD TYPE <b>Description:</b> Contains a code identifying the type of record <b>Code Table:</b> M:L <b>Source:</b> File Description/ File Detail			

DATE	8	(0x0007)	NIPS Metadata	6	Alphameric	User Defined	
			Agency Documentation	6	Alphanumeric Text		MINEA
				<b>Title:</b> MESSAGE DATE <b>Description:</b> Contains the date of the message in the form YYMMDD (IE. - 730101) <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
HOUR	14	(0x000D)	NIPS Metadata	4	Alphameric	User Defined	
			Agency Documentation	4	Alphanumeric Text		MINEA
				<b>Title:</b> MESSAGE HOUR <b>Description:</b> Contains the hour of the message in the form HHMM (IE. -1342) <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
+PCN	18	(0x0011)	NIPS Metadata	3	Alphameric	System Generated	
				No agency or user documentation for this label.			
PSSQ2	21	(0x0014)	NIPS Metadata	4	Alphameric	System Generated	
				No agency or user documentation for this label.			
VSZ2	25	(0x0018)	NIPS Metadata	4	Numeric	System Generated	
				No agency or user documentation for this label.			
LSLAT	29	(0x001C)	NIPS Metadata	15	Coordinate	User Defined	
			Agency Documentation	15	COORD		MINEA
				<b>Title:</b> LAT-LONG COORDINATE <b>Description:</b> Contains the Lat-Long coordinate where the loss occurred. Not in use. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
MLQTY	44	(0x002B)	NIPS Metadata	3	Numeric	User Defined	
			Agency Documentation	3	Numeric		MINEA

				<b>Title:</b> QUANTITY <b>Description:</b> Contains the quantity of material lost. Not in use. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
LSEQN	47	(0x002E)	NIPS Metadata	2	Alphameric	User Defined	
			Agency Documentation	2	Alphanumeric Text		MINEA
				<b>Title:</b> SEQUENCE NUMBER <b>Description:</b> Contains the set sequence number. Not in use. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
LSUTM	49	(0x0030)	NIPS Metadata	10	Alphameric	User Defined	
			Agency Documentation	10	Alpha		MINEA
				<b>Title:</b> UTM COORDINATE <b>Description:</b> Contains the UTM coordinate where the loss occurred. Not in use. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
LCODE	59	(0x003A)	NIPS Metadata	2	Alphameric	User Defined	
			Agency Documentation	2	Alpha		MINEA
				<b>Title:</b> MATERIAL LOST <b>Description:</b> Contains a code for the material lost. Not in use. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
MLUNT	61	(0x003C)	NIPS Metadata	1	Alphameric	User Defined	
			Agency Documentation	1	Alpha		MINEA
				<b>Title:</b> NATION SUSTAINING THE LOSS <b>Description:</b> Contains a code for the nation sustaining the loss. Not in use. <b>Code Table:</b> <b>Source:</b> File Description/ File Detail			
MLDCD	62	(0x003D)	NIPS Metadata	1	Alphameric	User Defined	

			Agency Documentation	1	Alpha		MINEA
				<b><u>Title:</u></b> RESULT <b><u>Description:</u></b> Contains a code for the type of result. Not in use. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			
LDESC	63	(0x003E)	NIPS Metadata	15	Alphameric	User Defined	
			Agency Documentation	15	Alpha		MINEA
				<b><u>Title:</u></b> DESCRIPTION <b><u>Description:</u></b> Contains a description of the material lost. Not in use. <b><u>Code Table:</u></b> <b><u>Source:</u></b> File Description/ File Detail			

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ACKNOWLEDGEMENT

THIS APPLICATION FILE DESCRIPTION HAS BEEN PREPARED BY THE INTERNATIONAL BUSINESS MACHINES CORPORATION, 1601 N. KENT STREET, ARLINGTON, VIRGINIA FOR THE NATIONAL MILITARY COMMAND SYSTEM SUPPORT CENTER, UNDER DCA CONTRACT NUMBER 100-71-C-0014. INFORMATION CORRESPONDS TO RELEASE 21.6 OF THE IBM OPERATING SYSTEM.

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## FILE DESCRIPTION

### A. NARRATIVE

1. THE PURPOSE OF THE MINEA FILE IS TO PROVIDE INFORMATION ON MINE LAYING OPERATIONS IN NORTH VIETNAM.

2. THE MINEA FILE IS DESIGNED TO INCLUDE THE FOLLOWING INFORMATION FOR EACH ACTION REPORTED.

SEGMENT NAME, TYPE OF OPERATION, DATE/TIME OF MESSAGE, ACTIVATION DATE/TIME, DEACTIVATION DATE/TIME, DATE OF UPDATE, UIC, AREA, INFORMATION FOR EACH STRING, LOSS DATA.

3. INFORMATION FOR THE MINEA FILE WAS TAKEN FROM THE DAILY OPREP-4 REPORT.

4. THE FOLLOWING ACTIVITIES RECEIVE DATA FROM THE MINEA FILE.

A. JOINT CHIEFS OF STAFF - J-3 DIRECTORATE - DATA PROCESSING DIVISION - OPERATION STATISTICS BRANCH.

5. THE CATEGORIES OF DATA CONTAINED IN EACH SET IN THE MINEA FILE ARE-

CONTROL SET - UNIQUELY IDENTIFIES EACH RECORD. CONSISTS OF SEGMENT NAME, RECORD TYPE, AND MESSAGE DATE/TIME.

FIXED SET - CONTAINS ACTIVATION AND DEACTIVATION DATES, DATE OF UPDATE, OPERATION TYPE, UIC, AND AREA.

PERIODIC SET 1 - CONTAINS STRING, SPACING, ACTIVATION AND DEACTIVATION DATES, TYPE OF ORDNANCE, QUANTITIES, COORDINATES, AIRCRAFT AND SORTIES.

PERIODIC SET 2 - CONTAINS SET SEQUENCE NUMBER, COORDINATE, MATERIAL, NATIONALITY, RESULT, QUANTITY, DESCRIPTION. THIS SET WAS NEVER USED.

6. THE MINEA FILE CONTAINS DATA ON ALL US MINING OPERATIONS FROM MAY 1972 TO JANUARY 1973.

7. THE FILE CONTAINS APPROXIMATELY 554 RECORDS.

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FILE FORMAT TABLE

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STRUCTURE MINEA.

CLASSIFICATION 'TOP SECRET'.

FIELD SEGMN 6 C ALPHA.

FIELD RECTYP 1 C ALPHA.

FIELD DATE 6 C ALPHA.

FIELD HOUR 4 C ALPHA.

GROUP SDATE DATE,HOUR ALPHA.

GROUP RCTRL SEGMN,RECTYP,DATE,HOUR ALPHA.

FIELD STIME 10 X ALPHA.

FIELD ETIME 10 X ALPHA.

FIELD UDATE 5 X ALPHA.

FIELD OPCOD 2 X ALPHA.

FIELD CTGUIC 6 X ALPHA.

FIELD SHPUIC 6 X ALPHA.

FIELD ARTYPE 1 X ALPHA.

FIELD ARCODE 2 X ALPHA.

GROUP AREA ARTYPE,ARCODE.

FIELD STRING1 2 1 ALPHA.

FIELD STRING2 1 1 ALPHA.

GROUP STRING STRING1,STRING2.

FIELD INTRVL 3 1 ALPHA.

FIELD ICODE 1 1 ALPHA.

FIELD STIME1 9 1 ALPHA.

FIELD ETIME1 9 1 ALPHA.

FIELD ORTYP 1 1 ALPHA.

FIELD QTYEXA 2 1 NUMER.

FIELD QTYEXB 2 1 NUMER.

FIELD QTYEXC 2 1 NUMER.

FIELD QTYEXD 2 1 NUMER.

FIELD QTYEX 3 1 NUMER.

FIELD UTM1 10 1 ALPHA.

FIELD UTM2 10 1 ALPHA.

FIELD LAT1 15 1 COORD.

FIELD LAT2 15 1 COORD.

FIELD ACRFT 6 1 ALPHA.

FIELD SERIES 1 1 ALPHA.

GROUP ACTYP ACRFT,SERIES ALPHA.

FIELD SORTS 1 1 NUMER.

FIELD CALSGN 12 1 ALPHA.

FIELD LSEQN 2 2 ALPHA.

FIELD LSUTM 10 2 ALPHA.

FIELD LSLAT 15 2 COORD.

FIELD LCODE 2 2 ALPHA.

FIELD MLUNT 1 2 ALPHA.

FIELD MLDCD 1 2 ALPHA.

FIELD MLQTY 3 2 NUMER.

FIELD LDESC 15 2 ALPHA.

END.

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# FILE DETAIL

\*\*\*\*\*  
\* CONTROL SET \*  
\*\*\*\*\*

## 1. SEGMENT NAME CCODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
SEGMN	F	06	SEGTAB	ALPHA/NUMERIC

CONTAINS THE CODED NAME OF THE SEGMENT.

## 2. RECORD TYPE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
RECTYP	F	01	M	MINING DATA
			L	LOSS DATA

CONTAINS A CODE IDENTIFYING THE TYPE OF RECORD.

## 3. MESSAGE DATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
DATE	F	06		ALPHA/NUMERIC

CONTAINS THE DATE OF THE MESSAGE IN THE FORM YYMMDD (IE.- 730101).

## 4. MESSAGE HOUR

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
HOUR	F	04		ALPHA/NUMERIC

CONTAINS THE HOUR OF THE MESSAGE IN THE FORM HHMM (IE. -1342).

## 5. MESSAGE DATE/TIME

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
SDATE	G	10		ALPHA/NUMERIC

CONTAINS THE MESSAGE DATE/TIME CONSISTING OF THE FIELDS DATE AND HOUR.

## 6. RECORD CONTROL GROUP

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
RCTRL	G	17		ALPHA/NUMERIC

CONTAINS THE UNIQUE RECORD CONTROL FOR RECORD, CONSISTING OF THE FIELDS SEGMN, RECTYP, DATE AND HOUR.

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\*\*\*\*\*  
\* FIXED SET \*  
\*\*\*\*\*

1. FIRST ACTIVATION DATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
STIME	F	10		ALPHA/NUMERIC.

CONTAINS THE EARLIEST ACTIVATION DATE FOR THE RECORD. POSITIONS 1-5  
CONTAIN THIS DATE IN JULIAN FORM - YYDDD. POSITIONS 6-10 ARE NOT  
USED.

2. LAST DEACTIVATION DATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
ETIME	F	10		ALPHA/NUMERIC

CONTAINS THE LAST DEACTIVATION DATE FOR THE RECORD. POSITIONS 1-5  
CONTAIN THIS DATE IN JULIAN FORM - YYDDD. POSITIONS 6-10 ARE NOT  
USED.

3. DATE OF UPDATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
UDATE	F	05		ALPHA/NUMERIC

CONTAINS THE JULIAN DATE ON WHICH THE RECORD WAS LAST UPDATED.

4. OPERATION CODE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
OPCOD	F	02	LB PM	LINEBACKER POCKET MONEY

CONTAINS A CODE FOR THE OPERATION SUPPORTED.

5. CTG UIC

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
CTGUIC	F	06	UICTAB	ALPHA/NUMERIC

CONTAINS THE UIC OF THE CARRIER TASK GROUP.

6. SHIP UIC

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
--	-----	-----	----	-----
SHPUIC	F	06	UICTAB	ALPHA/NUMERIC

CONTAINS THE UIC OF THE SHIP.

7. AREA TYPE

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ID --	GROUP -----	LENGTH -----	CODE -----	DATA VALUES -----
ARTYPE	F	01	C L W	COASTAL LAND WATERWAYS

CONTAINS A CODE FOR TYPE OF AREA SEEDED.

8. AREA CODE

ID --	FIELD/ GROUP -----	LENGTH -----	CODE -----	DATA VALUES -----
ARCODE	F	02	ARTAB	ALPHA/NUMERIC

CONTAINS A CODE FOR THE NAME OF THE AREA SEEDED.

9. AREA GROUP

ID --	FIELD/ GROUP -----	LENGTH -----	CODE -----	DATA VALUES -----
AREA	G	03		ALPHA/NUMERIC

CONTAINS THE FIELDS ARTYPE AND ARCODE.

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\*\*\*\*\*  
 \* PERIODIC SET 1 \*  
 \*\*\*\*\*

1. STRING NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
STRING1	F	02		ALPHA/NUMERIC

CONTAINS THE STRING NUMBER FROM THE MESSAGE.

2. SUB-STRING CONTROL

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
STRING2	F	01		ALPHA

CONTAINS A LETTER TO PROVIDE UNIQUENESS ON STRING SUBSETS.

3. STRING CONTROL

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
STRING	G	03		ALPHA/NUMERIC

CONTAINS THE FIELDS STRING1 AND STRING2.

4. INTERVAL SPACE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
INTRVL	F	03		ALPHA/NUMERIC

CONTAINS A NUMBER GIVING THE SPACING BETWEEN MINES.

5. SPACE UNIT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ICODE	F	01	F	FEET

CONTAINS A CODE FOR THE UNIT USED IN SPACING MINES.

6. ACTIVATION DATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
STIME1	F	09		ALPHA/NUMERIC

CONTAINS THE STRING ACTIVATION DATE/TIME (YYDDHHMM).

7. SAFE DATE/TAB SETTING

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ETIME1	F	09		ALPHA/NUMERIC

CONTAINS THE SAFE DATE AND TAB SETTING (IN DAYS) FOR THE STRING. POSITIONS 1-5 ARE THE SAFE DATE (YYDDD).

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6 NOT USED  
7-9 TAB SETTING

## 8. ORDNANCE TYPE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ORTYP	F	01	OROTAB	ALPHA

CONTAINS A CODE FOR TYPE OF MINE LAID.

## 9. QUANTITY OF A-TYPE MINES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
QTYEXA	F	02		NUMERIC

CONTAINS THE NUMBER OF A-TYPE SENSITIVITY MINES LAID.

## 10. QUANTITY OF B-TYPE MINES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
QTYEXB	F	02		NUMERIC

CONTAINS THE NUMBER OF B-TYPE SENSITIVITY MINES LAID.

## 11. QUANTITY OF C-TYPE MINES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
QTYEXC	F	02		NUMERIC

CONTAINS THE NUMBER OF C-TYPE SENSITIVITY MINES LAID.

## 12. QUANTITY OF D-TYPE MINES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
QTYEXD	F	02		NUMERIC

CONTAINS THE NUMBER OF D-TYPE SENSITIVITY MINES LAID.

## 13. QUANTITY OF MINES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
QTYEX	F	03		NUMERIC

CONTAINS THE NUMBER OF MINES LAID.

## 14. BEGIN UTM

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
UTM1	F	10		ALPHA

CONTAINS THE UTM COORDINATE THAT STARTS THE STRING.

## 15. END UTM

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ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
UTM2	F	10		ALPHA

CONTAINS THE UTM COORDINATE THAT ENDS THE STRING.

## 16. BEGIN LAT-LONG

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LAT1	F	15		COORD

CONTAINS THE STARTING LAT-LONG OF THE STRING.

## 17. END LAT-LONG

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LAT2	F	15		COORD

CONTAINS THE ENDING LAT-LONG OF THE STRING.

## 18. AIRCRAFT TYPE/MODEL

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ACRFT	F	06		ALPHA

CONTAINS THE AIRCRAFT DELIVERING THE STRING (IE. - A6).

## 19. AIRCRAFT SERIES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
SERIES	F	01		ALPHA

CONTAINS THE AIRCRAFT SERIES LETTER.

## 20. AIRCRAFT TYPE/MODEL/SERIES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
ACTYP	G	07		ALPHA

CONTAINS THE FIELDS ACRFT AND SERIES (IE. - A6 A).

## 21. SORTIES

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
SORTS	F	01		NUMERIC

CONTAINS THE NUMBER OF SORTIES FLOWN.

## 22. CALLSIGN

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
CALSGN	F	12		ALPHA

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CONTAINS THE AIRCRAFT CALLSIGN.

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\*\*\*\*\*  
\* PERIODIC SET 2 \*  
\*\*\*\*\*

1. SEQUENCE NUMBER

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
LSECN	F	02		ALPHA/NUMERIC

CONTAINS THE SET SEQUENCE NUMBER. NOT IN USE.

2. UTM COORDINATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
LSUTM	F	10		ALPHA

CONTAINS THE UTM COORDINATE WHERE THE LOSS OCCURRED. NOT IN USE.

3. LAT-LONG COORDINATE

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
LSLAT	F	15		COORD

CONTAINS THE LAT-LONG COORDINATE WHERE THE LOSS OCCURED. NOT IN USE.

4. MATERIAL LOST

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
LCODE	F	02		ALPHA

CONTAINS A CODE FOR THE MATERIAL LOST. NOT IN USE.

5. NATION SUSTAINING THE LOSS

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
MLUNT	F	01		ALPHA

CONTAINS A CODE FOR THE NATION SUSTAINING THE LOSS. NOT IN USE.

6. RESULT

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
MLDCD	F	01		ALPHA

CONTAINS A CODE FOR THE TYPE OF RESULT. NOT IN USE.

7. QUANTITY

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
---	-----	-----	----	-----
MLQTY	F	03		NUMERIC

CONTAINS THE QUANTITY OF MATERIAL LOST. NOT IN USE.

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8. DESCRIPTION

ID	FIELD/ GROUP	LENGTH	CODE	DATA VALUES
LDISC	F	15		ALPHA

CONTAINS A DESCRIPTION OF THE MATERIAL LOST. NOT IN USE.

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TABLES

-----  
TABLE=ARTAB ARG=(9/10,ONE,F) FUNC=(16/35,TWO,F)

\* AREA CODE CONVERSION TABLE

01	HCN GAI/CAM PHA
02	HAIPHONG AREA
03	THANH HOA AREA
04	VINH
05	QUANG KHE
06	DONG HOI
07	HCN LA AREA
08	HCN CO ISLAND
09	HANOI

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TABLE=ORDTAB ARG=(1/1,ONE,F) FUNC=(4/16,TWO,V) USE=B  
\*ORDTAB TABLE IS USED FOR INPUT VALIDATION OF THE  
\*ORTYP FIELD AND FOR OUTPUT CONVERSION OF THE  
\*1 CHAR CODE TO A 13 CHAR DESCRIPTION.

A MK36 DST  
B MK36 MOD1 DST  
C MK36 MOD2 DST  
D MK82 (M346)  
E MK36 MOD3 DST  
F MK52  
G MK36 MOD 4

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TABLE=PROB1 ARG=(1/3,ONE,F) FUNC=(5/8,TWO,V) USE=B

\*PROB1 TABLE IS USED TO DETERMINE PROBABILITY PERCENT  
\*OF ACTIVE MINES BASED ON ELAPSED DAYS FROM MINE SETTING DATE.  
\*THIS TABLE IS USED FOR MK36 MOD1 AND MOD4 MINES. THE FUNCTION  
\*VALUE HAS AN IMPLIED DECIMAL POINT BETWEEN THE SECOND  
\*AND THIRD CHARACTERS (EX. 99.67).  
\*  
\*MINES LAID 0/151 DAYS AGO ARE 100 PERCENT ACTIVE.  
\*MINES LAID 212/226 DAYS AGO ARE .1 PERCENT ACTIVE.  
\*MINES LAID 227 DAYS AGO ARE 0 PERCENT ACTIVE.

152	9000
153	8800
154	8600
155	8400
156	8200
157	8000
158	7750
159	7500
160	7250
161	7000
162	6670
163	6340
164	6000
165	5670
166	5340
167	5000
168	4670
169	4340
170	4000
171	3750
172	3500
173	3250
174	3000
175	2750
176	2500
177	2250
178	2000
179	1800
180	1600
181	1400
182	1200
183	1000
184	0870
185	0740
186	0610
187	0480
188	0350
189	0220
190	0100
191	0096
192	0092
193	0088
194	0084

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195 0080  
196 0076  
197 0072  
198 0068  
199 0064  
200 0060  
201 0056  
202 0052  
203 0048  
204 0044  
205 0040  
206 0036  
207 0032  
208 0028  
209 0024  
210 0020  
211 0016

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TABLE=PROB2 ARG=(1/3,ONE,F) FUNC=(5/8,TWO,V) USE=8

\*PROB2 TABLE IS USED TO DETERMINE PROBABILITY PERCENT  
\*OF ACTIVE MINES BASED ON ELAPSED DAYS FROM MINE SETTING DATE.  
\*THIS TABLE IS USED FOR MK36 MOD2 AND MOD3 MINES. THE FUNCTION  
\*VALUE HAS AN IMPLIED DECIMAL POINT BETWEEN THE SECOND  
\*AND THIRD CHARACTERS (EX. 99.67).

\*

\*MINES LAID 0/150 DAYS AGO ARE 100 PERCENT ACTIVE.  
\*MINES LAID 190/198 DAYS AGO ARE .1 PERCENT ACTIVE.  
\*MINES LAID 199 DAYS AGO ARE 0 PERCENT ACTIVE.

151 9000  
152 8670  
153 8340  
154 8000  
155 7670  
156 7340  
157 7000  
158 6500  
159 6000  
160 5500  
161 5000  
162 4500  
163 4000  
164 3500  
165 3000  
166 2670  
167 2340  
168 2000  
169 1750  
170 1500  
171 1250  
172 1000  
173 0900  
174 0800  
175 0700  
176 0600  
177 0500  
178 0400  
179 0300  
180 0200  
181 0100  
182 0090  
183 0080  
184 0070  
185 0060  
186 0050  
187 0040  
188 0030  
189 0020

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TABLE=PROB3 ARG=(1/3,ONE,F) FUNC=(5/8,TWO,V) USE=8

\*PROB3 TABLE IS USED TO DETERMINE PROBABILITY PERCENT  
\*OF ACTIVE MINES BASED ON ELAPSED DAYS FROM MINE SETTING DATE.

\*THIS TABLE IS USED FOR MK36 MOD2 AND MOD3 MINES WITH

\*30 DAY TAB (ORTYP EQ C E AND ETIME1 7/9 EQ 030).

\*THE FUNCTION VALUE HAS AN IMPLIED DECIMAL POINT BETWEEN

\*THE SECOND AND THIRD CHARACTERS (EX. 90.00).

\*

\*MINES LAID 0/27 DAYS AGO ARE 100 PERCENT ACTIVE.

\*MINES LAID 31 DAYS AGO ARE 0 PERCENT ACTIVE.

028 9000

029 5000

USING IODATA,4

NUMCK IODATA,10,BAD

Q-INPUT NOT NUMERIC

030 1000

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TABLE=PROB4 ARG=(1/3,ONE,F) FUNC=(5/8,TWO,V) USE=B

\*PROB4 TABLE IS USED TO DETERMINE PROBABILITY PERCENT

\*OF ACTIVE MINES BASED ON ELAPSED DAYS FROM MINE SETTING DATE.

\*THIS TABLE IS USED FOR MK36 MOD4 WITH A 50 DAY TAB (ORTYP EQ G

\*AND ETIME 7/9 EQ 050). THE FUNCTION VALUE HAS AN IMPLIED

\*DECIMAL POINT BETWEEN THE SECOND AND THIRD CHARACTERS (EX. 90.00)

\*

\*MINES LAID 0/38 DAYS AGO ARE 100 PERCENT ACTIVE

\*MINES LAID 54/57 DAYS AGO ARE .1 PERCENT ACTIVE

\*MINES LAID 58 DAYS AGO ARE 0 PERCENT ACTIVE

039 9000

040 8000

041 7000

042 6000

043 4500

044 3000

045 2000

046 1000

047 0775

048 0550

049 0325

050 0100

051 0078

052 0055

053 0033

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TABLE=PROB5 ARG=(1/3,ONE,F) FUNC=(5/8,TWO,V) USE=B

\*  
MK36 MOD 2/3 - 15 DAY PROB TABLE  
\*PROB5 TABLE IS USED TO DETERMINE PROBABILITY PERCENT  
\*OF ACTIVE MINES BASED ON ELAPSED DAYS FROM MINE SETTING DATE.  
\*THIS TABLE IS USED FOR MK36 MOD2 AND MOD3 WITH A 15 DAY TAB  
\*{ORTYP EQ C E AND ETIME1 7/9 EQ 015}.  
\*THE FUNCTION HAS AN IMPLIED DECIMAL POINT BETWEEN THE SECOND  
\*AND THIRD CHARACTERS (EX. 90.00).  
\*  
\*MINES LAID 0/10 DAYS AGO ARE 100 PERCENT ACTIVE.  
\*MINES LAID 14 DAYS AGO ARE 0 PERCENT ACTIVE.

011 5000

012 1000

013 0010

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TABLE=PROB6 ARG=(1/3,ONE,F) FUNC=(5/8,TWO,F)

\* PROB6 TABLE IS USED TO DETERMINE PROBABILITY PERCENT  
\* OF ACTIVE MINES BASED ON ELAPSED DAYS FROM MINE SETTING DATE.  
\* THIS TABLE IS USED FOR MK36 MOD4 MINES. THE FUNCTION VALUE  
\* HAS AN IMPLIED DECIMAL POINT BETWEEN THE SECOND AND THIRD  
\* CHARACTERS (EX. 96.67).  
\*  
\* MINES LAID 0/75 DAYS AGO ARE 100 PERCENT ACTIVE.  
\* MINES LAID 106/113 DAYS AGO ARE .1 PERCENT ACTIVE.  
\* MINES LAID 114 DAYS AGO ARE 0 PERCENT ACTIVE.

076 9000  
077 8500  
078 8000  
079 7500  
080 7000  
081 6500  
082 6000  
083 5500  
084 5000  
085 4000  
086 3500  
087 3000  
088 2500  
089 2000  
090 1670  
091 1340  
092 1000  
093 0890  
094 0780  
095 0670  
096 0560  
097 0450  
098 0340  
099 0230  
100 0100  
101 0085  
102 0070  
103 0055  
104 0040  
105 0025

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TABLE=SEGTAB ARG=(1/6,ONE,F) FUNC=(9/33,TWO,V) USE=B  
 \*SEGTAB TABLE IS USED FOR INPUT VALIDATION OF THE  
 \*SEGMN FIELD AND FOR OUTPUT CONVERSION OF THE  
 \*6 CHAR CODE TO A 25 CHAR DESCRIPTION.

C	JETTISON AREA C	
D	JETTISON AREA D	
W22A	THANH HOA	
W81A	THANH HOA	
W17	VINH	
W11A	VINH	
W9B	VINH	
W11B	VINH	
W18	THANH HOA	
W13	VINH	
C13	RON	
W75	VINH	
W5A	QUANG KHE	
2101D	HAIPHONG	
2101C	HAIPHONG	
W69A	HANOI	
2109D	QUANG KHE	
2110D	DONG HOI	
2110B	DONG HOI	310
2110C	DONG HOI	
2110E	DONG HOI	
W27A	THANH HOA	
W7A	CUA SOT RIVER	
W63C	THAI BINH RIVER	
W55	HANOI	
W34	HANOI	
W27C	NAM DINH	
C6	THANH HOA	
W23A	THANH HOA	
W47	THANH HOA	
HC1	HON CO ISLAND	
HL1	HON LA ISLAND	
SR1	SONG RON RIVER	
HN1	HON NGHI SON	
SC1	SON CA RIVER	
CM1	CAPE MUI RON	
VC1	VINH COASTAL	
2100	HAIPHONG	180
2101A	HAIPHONG	216
2102	HAIPHONG	72
2104	HON GAI	140
2105	HON GAI	100
2106	CAM PHA	40
2107	VINH	48
2108	VINH	48
2109A	QUANG KHE	48
2109B	QUANG KHE	175
2109C	QUANG KHE	245
2109E	QUANG KHE	245

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2110A	DONG HOI	36
2111A	HAIPHONG	12
2111B	HAIPHONG	24
2111C	HAIPHONG	4
2111D	HAIPHONG	27
2111E	HAIPHONG	12
2111F	HAIPHONG	12
2111G	HAIPHONG	21
2111H	HAIPHONG	5
2111I	HAIPHONG	11
2115A	THANH HOA	70
2115B	THANH HOA	28
2115D	THANH HOA	168
2115E	THANH HOA	325
2117A	KHE LUN ROI	12
2117B	CON VOI RIVER	12
2118A	CUA BA LAT (W27A)	48
2118B	CUA LAC GIANG (W47)	48
2118C	CUA DAY (W23A)	48
2119A	CUA TRAY LY (W50A)	20
2119B	SONG GIEN HO (W53)	20
2119C	CUA THAI BINH (W63A)	30
2119D	CUA VAN UC (W56A)	40
2121A	CAP BOUTON (W17)	56
2121B	CAP BOUTON (W17)	225
2121C	CAP BOUTON (W17)	102
2125C	VINH	
W75	GIA HOI RIVER	
600934	NAM DINH HWY FERRY	
BA1	BAY AREA 2012N10624E	
IA1	INTERSEC W27C/W50B	
RS3	DINH GIANG/RED RIVER	
RS4	VAN UC/LAC TRAY RIV	
700041	LAN TRA HWY BRIDGE	
700786	DAI THUY RR BRIDGE	
704268	PHU CU RR BYP BR	
700274	YEN PHU HWY BRIDGE	
R15	ROAD ROUTE 15	
703388	VINH LOC RR SIDING	
701422	PHU CU RR SIDING	
R1A	ROAD ROUTE 1A	
RS1	ROAD SEGMENT	
RS2	RIVER SEGMENT	
FS1	FERRY SLIP	
761719	BAI DUC THON HWY FD	
VIN RB	VINH RR BR	
LC FY	LINH CAM HWY FY	
TS FY	THO SON HWY FY	
TS BR	THO SON HWY BR	
HT FY	HA TINH HWY FY	
TD FY	TAM DA HWY FY	
V AFLD	VINH AIRFIELD	
CL FD	CHU LE HWY FORD	

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HG FY	HON GAI FERRY	
TN BR	THO NGOA BRIDGE	
XG BR	XCM GIA BRIDGE	
VL BR	VINH LUU BRIDGE	
HWY FD	HIGHWAY FORD	
HWY FY	HIGHWAY FERRY	
IDP	INTERDICTION PT	
HWY BR	HIGHWAY BRIDGE	
RR BR	RAILROAD BRIDGE	
ST BR	SON TRIEU HWY BR	
PQ FY	PHU QUE HWY FERRY	
QM BR	QUI MY HWY BR	
KN BR	KIM NAC HWY BR	
TD HWY	TU DUNG HWY	
TV BR	THO VINH HWY BR	
TR BR	TRAI RCM HWY BR	
DX BR	DONG XA HWY BR	
2122A	LACH HUYEN (HAIPHONG)	48
2122B	LACH HUYEN (HAIPHONG)	70
2122C	LACH HUYEN (HAIPHONG)	42
2125	PHU LONG (VINH)	87
2155	HON GAY	80

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TABLE=UICTAB ARG=(1/6,ONE,F) FUNC=(9/30,TWO,V) USE=B  
\*UICTAB TABLE IS USED FOR INPUT VALIDATION OF THE  
\*CTGUIC AND SHPUIC FIELDS AND FOR OUTPUT CONVERSION  
\*OF THE 6 CHAR CODE TO A 22 CHAR DESCRIPTION.

N03334	ORISKANY	CVA	34
N03341	MIDWAY	CVA	41
N03363	KITTY HAWK	CVA	63
N03366	AMERICA	CVA	66
N03364	CONSTELLATION	CVA	64
N03343	CORAL SEA	CVA	43
N03365	ENTERPRISE	CVAN	65
N03359	FORRESTAL	CVA	59
N03321	HANCOCK	CVA	19
N03362	INDEPENDENCE	CVA	62
N03367	KENNEDY JF	CVA	67
N03368	NIMITZ	CVAN	68
N03361	RANGER	CVA	61
N03342	ROOSEVELT FD	CVA	42
N03360	SARATOGA	CVA	60
NA2072	CTG 77.0		
NA2073	CTG 77.1		
NA6986	CTG 77.2		
NA2044	CTG 77.3		
N28310	CTG 77.4		
N28311	CTG 77.5		
N28312	CTG 77.6		
N28313	CTG 77.7		
NA2075	CTG 77.8		
NA2076	CTG 77.9		
FFFC30	8TFW UBCN		
FFNLS0	432TRW UDCRN		

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## FILE MAINTENANCE

### A. FILE MAINTENANCE

1. TO PROCESS DATA FOR THE MINEA SYSTEM THE FOLLOWING PROGRAMS ARE REQUIRED.
  - A. NIPS FMS
  - B. ALC SUBROUTINES
    1. SFDATS
    2. UTMCCN
2. THE PURPOSE OF THE PROGAMS AND SUBROUTINES IS -
  - A. NIPS FMS BUILDS AND UPDATES THE NIPS DATA BASE.
  - B. SFDATS COMPUTES THE DEACTIVATION DATE FOR MINES.
  - C. UTMCCN CONVERTS UTM COORDINATES TO GEOGRAPHIC COORDINATES.

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2. THE STANDARD REPORTS ARE-

<u>REPORT</u>	<u>DESCRIPTION</u>	<u>SCHEDULE</u>	<u>DISTRIBUTION</u>	<u>COPIES</u>
MDUMP	QUIP RECORD PRINTOUT	PER UPDATE	J-3	1
MN01T	QUIP SUMMARY OF OPERATIONS	PER UPDATE	J-3	1
MN02R	SUMMARY OF OPERATIONS BY SEGMENT, OPERATION AND AREA	PER UPDATE	J-3	1
MN03R	SUMMARY OF OPERATIONS BY AREA	PER UPDATE	J-3	1
MN04R	SUMMARY OF ACTIVITIES BY AREA AND SEGMENT	PER UPDATE	J-3	1

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