

# National Archives



Washington, DC 20408

3-338-84-003

COMBAT OPERATIONS LOSS AND EXPENDITURE DATA - VIETNAM

(COLED-V)

## DOCUMENTATION

Record Group 338

Records of U.S. Army Commands

## INTRODUCTION TO DOCUMENTATION (COLED-V)

American presence in South Vietnam rapidly expanded in 1965. So did the need for an adequate inventory of combat materiel shipped to and used in that country.

Some military personnel remembered how after the Normandy landings in 1944, ammunition and other vital materiel were in short supply largely due, they said, to an inadequate reporting and planning system. Then the amount of ammunition used and required and in what condition was little more than educated guess work. Because Vietnam was a counterinsurgency war planning was crucial, requiring data which answered the knotty questions about how much ammunition was being consumed and in what conditions and how much materiel was going to be required. To develop these answers, the United States Army Combat Development Command(CDC) developed the data base, Combat Operations Loss and Expenditure Data-Vietnam (COLED-V) in 1966.

CDC perceived that the war called for a data base to be used by the Army the Army combat units to forecast the loss and expenditure of its equipment and ammunition. There were data available from other wars but they had been conventional ones. The planners of COLED-V wanted combat loss data to relate to the conditions under which the losses occurred. Further, combat consumption data would have to include elements relating to the area of operations, type of war, and intensity of combat. The Vice Chief of Staff was convinced that "gathering information in Vietnam will produce an acceptable and valid Data Bank [sic] that can be used for revising or substantiating rates of losses and expenditures for forecasting materiel and ammunition requirements in counterinsurgency type of war."<sup>1</sup>

Containing data on U.S. Army troops only, the COLED-V project began to input 7000 records per month in 1966. That soon was surpassed, for soon as many as 30,000 per month were being keyed into the system. So much data were being added to COLED-V that the program could not accommodate it. Between 1966-1969, the war intensified and the American involvement along with it. Yet after the TET offensive in 1968, changes in missions, and terrain and target analyses required revisions in the collection parameters. Weather conditions had not been among the data elements. Now they were. The effects of day light or darkness on combat consumption were now included as crucial data elements.

A seven man team, stationed at the COLED-V data collection center in Vietnam, began processing the information as it was fed to

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<sup>1</sup> Research Analysis Corporation, "RAC Study 009.402, COLED-V," Project Advisory Group Meeting, 8 August 1969, p. vi.

them. In addition, the team was responsible for reviewing reports, extracting information, editing, and verifying information. They visited Army units, assisted in monitoring the reporting system, and provided COLED-V feedback data to major commands in Vietnam. After collected, the data were cross-checked with that of the Army Materiel Command (AMC). A contractor, in this case, Research Analysis Corporation, reduced the data and processed it into its final form. A generous amount of information was provided that proved to be the backbone for statistical tables on rounds of ammunition expended per weapon per day, expenditures versus losses, and expenditures by mission.

Heretofore, predictions of consumption had been based upon the amount issued. Allocation of this type could result in an uneven distribution of materiel. Since COLED-V depended upon data taken from expenditure results and the conditions under which the consumption took place, the thinking was that predictions as to where materiel should go would be more logical. If the nature of the war changed or if there were to be a phase out of Army troops, the COLED-V data could be used to determine how much materiel was, "in the pipeline". If a phase down occurred, this materiel could quickly be transported to theater depots for storage or shipment elsewhere.

The year before COLED-V was transferred, the Frankfort Arsenal was using the information to help predict ammunition consumption for their purposes.

The COLED-V project was transferred to the U.S. Army Depot Systems Command (HCDESCOM) in Chambersburg, Pennsylvania, in 1970.

Documentation Package prepared by Michael T. Meier, Machine-readable Branch (NNSR), National Archives and Records Administration, January 1988.

January 14, 1988  
FILE NUMBER: 3-338-84-003-A  
Michael T. Meier, NNSR

#### ABSTRACT

UNITED STATES ARMY COMBAT DEVELOPMENT COMMAND (CDC)  
COMBAT OPERATIONS LOSS AND EXPENDITURE DATA-VIETNAM  
(COLED-V), (Ammunition Expenditure Data), 1968-1970,  
(machine-readable data file) Created by CDC, Produced by  
CDC, National Archives and Records Administration  
(distributor)

TYPE OF FILE: Microdata. The units of observation are ammunition expenditure data of 24 types of ammunition as used by the U.S. Army for Fiscal Years 1968, 1969, and 1970 in South Vietnam.

UNIVERSE DESCRIPTION: The universe consists of ammunition expenditure data. The conditions under which the expenditure took place, intensity of engagement, terrain, targetfire, and type of ammunition used are data elements in these data sets.

SUBJECT MATTER DESCRIPTION: Beginning in 1966, the U.S. Army, responding to the United States military build-up in South Vietnam, ordered the Combat Development Command (CDC) to start organizing a data base to measure the expenditure of ammunition in South Vietnam by Army units. The result was the Combat Operations Loss and Expenditure Data-Vietnam. The data base, consisting of six data sets, was designed to assist the Army in planning for the appropriate allocation of ammunition. To this end, it was important to logistical personnel to determine the conditions under which the ammunition was expended, by which command, which unit, whether in daylight or in darkness, in rough terrain, in various types of weather, and the intensity of combat. Based on these findings, the Army hoped to determine where and what type of ammunition should be allocated to which unit. It was thought that this would alleviate the uneven distribution of ammunition that had been experienced in past wars. As the American presence began to diminish in South Vietnam, the project was transferred to the U.S. Army Depot Systems Command (HQDESCOM) in 1970.

GEOGRAPHIC IDENTIFIERS: Ammunition expenditure in South Vietnam by U.S. Army forces.

TECHNICAL DESCRIPTION:

FILE STRUCTURE: Fixed length, non-hierarchical.

FILE SIZE: There are 243,664 records for Ammunition Expenditure for Fiscal Year 1968, 372,247 for Fiscal Year 1969, and 310,662 for Fiscal Year 1970 for a total of 926,573 records.

FILE SORT SEQUENCE: Arranged by Fiscal Year and thereunder by major command, activity, by date of action, and ammunition type.

REFERENCE MATERIAL: Background and technical information consisting of a briefing paper presented at the Project Advisory Group Meeting, August 8, 1969, record layouts, and codes are included as documentation. Agency documentation is supplemented by the Machine-Readable Branch of the National Archives consisting of an introduction and portions of computer printouts. The last three data sets have computer dumps in a print format because they contain text material and they are included with the documentation.

FILE AVAILABILITY: The file is currently available from:  
Machine-Readable Branch (NNSR)  
Special Archives Division  
National Archives and Records Administration  
Washington, D.C. 20408

QUOTATION: Includes codes, record layouts, Research Analysis Corporation Briefing (62pp.), punch card format, file description.

DATA SETS:

Ammunition Expenditure 1968. Data set name RG338.COLEDV.AE68.  
Ammunition Expenditure 1969. Data set name RG338.COLEDV.AE69.  
Ammunition Expenditure 1970. Data set name RG338.COLEDV.AE70.  
End Item Loss. Data set name RG338.COLEDV.EDNI.  
Item Name File. Data set name RG338.COLEDV.ITEM.  
Organization Name File. Data set name RG338.COLEDV.ORGN.

January 14, 1988  
FILE NUMBER: 3-338-84-003-B  
Michael T. Meier, NNSR

ABSTRACT

UNITED STATES ARMY COMBAT DEVELOPMENT COMMAND (CDC)  
COMBAT OPERATIONS LOSS AND EXPENDITURE DATA-VIETNAM  
(COLED-V), (Items Lost), 1968-1970, (machine-readable data  
file) Created by CDC, Produced by CDC,  
National Archives and Records Administration (distributor)

TYPE OF FILE: Microdata. End Items. The units of observation are  
items or materiel lost as a result of combat or non-combat  
circumstances.

UNIVERSE DESCRIPTION: The universe consists of items lost. The  
conditions under which the loss took place, intensity of  
engagement, terrain, visibility, and item age are data elements  
in this data set. The line item number and Federal Stock number  
are included for tracking purposes.

SUBJECT MATTER DESCRIPTION: Beginning in 1966, the U.S. Army,  
responding to the United States military build-up in South  
Vietnam, ordered the Combat Development Command (CDC) to start  
organizing a data base to measure the ammunition expenditure and  
item loss in South Vietnam by Army units. The result was the  
Combat Operations Loss and Expenditure Data-Vietnam. The data  
base, consisting of six data sets, was designed to assist the  
Army in planning for the appropriate allocation of ammunition and  
materiel. To this end, it was important to logistical personnel  
to determine items lost as a result of combat or non-combat  
reasons. To insure proper tracking of the item the line item  
number and Federal Stock Number of are given and to help avoid  
confusion the item name is spelled out in each record. In  
addition, weather conditions, terrain, time of day, type of  
mission, and intensity of combat were elements in the equation.  
As the American presence began to diminish in South Vietnam, the  
project was transferred to the U.S. Army Depot Systems Command  
(HQDESCOM) in 1970.

GEOGRAPHIC IDENTIFIERS: End Item Losses in South Vietnam by U.S.  
Army forces.

TECHNICAL DESCRIPTION:

FILE STRUCTURE: Fixed length, non-hierarchical.

FILE SIZE: There are 179,313 records in this data set.

FILE SORT SEQUENCE: Arranged by item type and thereunder by date

of loss, conditions resulting in loss, line item number, Federal Stock number, item age, whether the result of combat or non-combat circumstances, and major unit name.

**REFERENCE MATERIAL:** Background and technical information consisting of a briefing paper presented at the Project Advisory Group Meeting, August 8, 1969, record layouts, and codes are included as documentation. Agency documentation is supplemented by the Machine-Readable Branch of the National Archives consisting of an introduction and portions of computer printouts. The last three data sets have computer dumps in a print format because they contain text material and they are included with the documentation.

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**QUOTATION:** Includes codes, record layouts, Research Analysis Corporation Briefing (62pp.), punch card format, file description.

**DATA SETS:**

Ammunition Expenditure 1968. Data set name RG338.COLEDV.AE68.  
Ammunition Expenditure 1969. Data set name RG338.COLEDV.AE69.  
Ammunition Expenditure 1970. Data set name RG338.COLEDV.AE70.  
End Item Loss. Data set name RG338.COLEDV.EDNI.  
Item Name File. Data set name RG338.COLEDV.ITEM.  
Organization Name File. Data set name RG338.COLEDV.ORGN.

January 14, 1988  
FILE NUMBER: 3-338-84-003-C  
Michael T. Meier, NNSR

#### ABSTRACT

UNITED STATES ARMY COMBAT DEVELOPMENT COMMAND (CDC)  
COMBAT OPERATIONS LOSS AND EXPENDITURE DATA-VIETNAM  
(COLED-V), (Item Name File), 1968-1970, (machine-readable  
data file) Created by CDC, Produced by CDC,  
National Archives and Records Administration (distributor)

TYPE OF FILE: Microdata. Item Name File. The units of observation  
are full name items placed into the COLED-V data base.

UNIVERSE DESCRIPTION: The universe consists of the full name of  
the item along with its federal stock number, model number, and  
line item number.

SUBJECT MATTER DESCRIPTION: Beginning in 1966, the U.S. Army,  
responding to the United States military build-up in South  
Vietnam, ordered the Combat Development Command (CDC) to start  
organizing a data base to measure the ammunition expenditure and  
item loss in South Vietnam by Army units. The result was the  
Combat Operations Loss and Expenditure Data-Vietnam. The data  
base, consisting of six data sets, was designed to assist the  
Army in planning for the appropriate allocation of ammunition and  
material. This data set, the Item Name File, was designed to  
provide a cross reference for the items placed into the data  
base. In addition to the full item name, the model number,  
federal stock number, and line item number are provided. As the  
American presence began to diminish in South Vietnam, the project  
was transferred to the U.S. Army Depot Systems Command (HQDESCOM)  
in 1970.

GEOGRAPHIC IDENTIFIERS: Item names with identifiers issued to the  
U.S. Army in South Vietnam.

TECHNICAL DESCRIPTION:

FILE STRUCTURE: Fixed length, non-hierarchical.

FILE SIZE: There are 956 records in this data set.

FILE SORT SEQUENCE: Arranged by full item name and thereunder by  
model number and by line item number and federal stock number.

REFERENCE MATERIAL: Background and technical information  
consisting of a briefing paper presented at the Project Advisory  
Group Meeting, August 8, 1969, record layouts, and codes are  
included as documentation. Agency documentation is supplemented.

by the Machine-Readable Branch of the National Archives consisting of an introduction and portions of computer printouts. The last three data sets have computer dumps in a print format because they contain text material and they are included with the documentation.

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Ammunition Expenditure 1970. Data set name RG338.COLEDV.AE70.  
End Item Loss. Data set name RG338.COLEDV.EDNI.  
Item Name File. Data set name RG338.COLEDV.ITEM.  
Organization Name File. Data set name RG338.COLEDV.ORGN.

January 14, 1988  
FILE NUMBER: 3-338-84-003-D  
Michael T. Meier, NNSR

#### ABSTRACT

UNITED STATES ARMY COMBAT DEVELOPMENT COMMAND (CDC)  
COMBAT OPERATIONS LOSS AND EXPENDITURE DATA-VIETNAM  
(COLED-V), (Organization Name File), 1968-1970, (machine-  
readable data file) Created by CDC, Produced by CDC,  
National Archives and Records Administration (distributor)

TYPE OF FILE: Microdata. Organization Name File. The units of observation are Army commands and units involved in collection of data for COLED-V.

UNIVERSE DESCRIPTION: The universe consists of the names of U.S. Army commands, units, and sub-units that experienced item losses in South Vietnam between 1968-1970.

SUBJECT MATTER DESCRIPTION: Beginning in 1966, the U.S. Army, responding to the United States military build-up in South Vietnam, ordered the Combat Development Command (CDC) to start organizing a data base to measure the ammunition expenditure and item loss in South Vietnam by Army units. The result was the Combat Operations Loss and Expenditure Data-Vietnam. The data base, consisting of six data sets, was designed to assist the Army in planning for the appropriate allocation of ammunition and materiel. This data set, the Organization Name File, lists the Army's commands in South Vietnam that reported items lost. As the American presence began to diminish in South Vietnam, the project was transferred to the U.S. Army Depot Systems Command (HQDESCOM) in 1970.

GEOGRAPHIC IDENTIFIERS: U.S. Army commands in South Vietnam that reported items lost.

#### TECHNICAL DESCRIPTION:

FILE STRUCTURE: Fixed length, non-hierarchical.

FILE SIZE: There are 2,393 records in this data set.

FILE SORT SEQUENCE: Arranged by major command and thereunder by sub-unit identification, by company designation, by sub-unit name, and by unit branch.

REFERENCE MATERIAL: Background and technical information consisting of a briefing paper presented at the Project Advisory Group Meeting, August 8, 1969, record layouts, and codes are included as documentation. Agency documentation is supplemented

by the Machine-Readable Branch of the National Archives consisting of an introduction and portions of computer printouts. The last three data sets have computer dumps in a print format because they contain text material and they are included with the documentation.

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Item Name File. Data set name RG338.COLEDV.ITEM.  
Organization Name File. Data set name RG338.COLEDV.ORGN.

COLED-V AMMO TAPE LAYOUT FY 68-69-70

<u>TAPE POSITIONS</u>	<u>CONTENTS</u>					
1-5	SUB-UNIT UIC					
6-20	SUB-UNIT NAME					
21-25	MAJOR COMMAND UTC					
26-40	MAJOR COMMAND NAME					
41-42	WEAPON CODE					
43-46	WEAPON DENSITY					
47-52	ACTIVITY CODES					
47	MISSION CODE					
48	INTENSITY CODE					
49	TERRAIN CODE					
50	TARGET FIRE					
51	WEATHER CODE					
52	DAY-NIGHT CODE					
53-62	NOT USED					
63-66	JULIAN DATE OF ACTION					
67-72	ROUNDS OF AMMO TYPE 1 EXPENDED BY UNIT					
73-78	"	"	"	"	2	"
79-84	"	"	"	"	3	"
85-90	"	"	"	"	4	"
91-96	"	"	"	"	5	"
97-102	"	"	"	"	6	"
103-108	"	"	"	"	7	"
109-114	"	"	"	"	8	"
115-120	"	"	"	"	9	"

TABLE OF ACTIVITY CODES

ACTIVITY	TYPE	NUMBER CODE
MISSION	RECON IN FORCE	1
	CLEAR AND SECURE	2
	CORDON AND SEARCH	3
	SECURITY	4
	BASE CAMP DEFENSE	5
	NOT UNDER ATTACK	6
	TRAINING	7
	LOSS	9
INTENSITY	HEAVY	1
	MODERATE	2
	LIGHT	3
	INACTIVE	4
	LOSS	9
TERRAIN	JUNGLE	1
	OPEN	2
	FOREST/PLANTATIONS	3
	MARSH/RICE PADDY	4
	HIGH GRASS	5
	MOUNTAINOUS	6
	CITY/VILLAGE	7
	GULLIES	8
	LOSS	9
TARGET/FIRE	CONFIRMED TGTS	1
	ACQUIRED TGTS	2
	COUNTERBATTERY TGTS	3
	PREPARATION TGTS	4
	ARVN SUPPORT TGTS	5
	INTERDICTION	6
	SPECIAL PURPOSE TGTS	7
	OTHER	8
	NA/LOSS	9
WEATHER	CLEAR	1
	RAIN	2
	FOG	3
	OVERCAST	4
	NA	5
	LOSS	9
DAY/NIGHT	DAYLIGHT	1
	DARKNESS	2
	NA	3
	LOSS	9

TABLE OF WEAPON CODES AND AMMO TYPES

Weapon Code	Weapon Name	Name Ammo Type 1	Name Ammo Type 2	Name Ammo Type 3	Name Ammo Type 4	Name Ammo Type 5	Name Ammo Type 6	Name Ammo Type 7
01	8in	HE	M404FC					
02	175mm	HE						
03	155mm	HE	ILL	SMK/WP M449	FCXM-631			
04	105mm	HE	ILL	SMK/WP APERS	M546	XMM-629		
05	90mm TANK/RR	HEAT	HE-T	APERS				
06	107mm MTR	HE	ILL	SMK/WP	XMM-630			
07	81 MM MTR	HE	ILL	SMK/WP				
08	106mm	HE	HEAT	APERS				
09	20mm VULCAN	ALL						
10	M-42	HEIT						
11	M-79	HE	MULTI	M386	FCM397	FCXM651E1		
12	M-5	HE						
13	2.75 ROCKET	HE	WP	ALL CLR				
14	50 CAL MG	ALL						
15	7.62 MG	ALL						
16	7.62 MINIGUN	ALL						
17	7.62 RIFLE	ALL						
18	5.56 RIFLE	ALL						
19	GRENADE FRAG	ALL CLR	M26A1	M26A2	M33FC	M7A3	M54	M25A2
20	66mm ROCKET	HEAT						
21	FLARE	M24						
22	MINE	M18A1						
23	CS	158/159E8LCHR	CS-1	CS-2				
24	THICKENER BULK	LES.						

COLED-V ITEM LOSSES TAPE LAYOUT

TAPE POSITIONS

1-2  
3-8  
9-19  
20-23  
24-33  
34  
35  
36  
37  
38  
39  
40  
41-45  
46-47  
48-50  
51-52  
53-54  
55-58  
59-62  
63-66  
67-81  
82-86  
87-101  
102-131  
132-137  
138  
139-142  
143-144  
145-146  
147-148  
149-151  
152-155  
156-160

CONTENTS

MAJOR UNIT ID  
LINE ITEM NUMBER  
FEDERAL STOCK NUMBER  
DATE OF LOSS  
SERIAL NUMBER  
CAUSE  
MISSION  
INTENSITY  
TERRAIN  
WEATHER  
VISIBILITY  
CORP TACTICAL FORCE  
ITEM AGE  
STATUS  
UPDATE  
UNIT BRANCH  
FIRE-NO-FIRE  
DATE SHIPPED TO REBUILD  
DATE REBUILT OR SALVAGED  
OPERATION  
MAJOR UNIT NAME  
SUB UNIT ID  
SUB UNIT NAME  
ITEM FULL NAME  
TAERS ID  
CONSOLIDATE  
DISPOSITION  
KHA  
WHA  
PASSENGERS  
CARD COUNT  
DATE RECEIVED AT DEPOT  
FILLER

COLED-V CODING LEGENDS AND  
EXPLANATIONS FOR ITEM LOSSES

TYPE REPORT

CL-Combat Loss  
NC-Non-Combat Loss  
NR-Evacuation to  
Rebuild Depot  
RB-Rebuild Depot  
Report

MISSION

A-Recon in Force  
B-Clear and Secure  
C-Cordon and Search  
D-Security  
E-Base Camp Defense  
Engaged  
F-Not Under Attack

DESTINATION/DISPOSITION

Burn  
DEST-(Destroyed)  
SAL-(Salvaged)  
PDO-(Taiwan)  
PDO-(Cannibalized)  
PDO-(Cann. Point)  
BTLS-(Battle Loss)

FIRE

F-Fire  
NF-No Fire

INTENSITY

A-Heavy  
B-Moderate  
C-Light  
D-Inactive

KILLED HOSTILE ACTION

Numeric, personnel  
killed

BRANCH

AB-Airborne  
AD-Air Defense  
AG-Adjutant General  
AR-Armor  
AS-Security  
AV-Aviation  
CA-Civil Affairs  
CM-Chemical  
CS-Combat Support  
CV-Cavalry  
EN-Engineers  
FA-Artillery  
FI-Finance  
IN-Infantry  
MD-Medical  
MH-Military History  
MI-Intelligence  
MP-Military Police  
OD-Ordnance  
PI-Public Information  
PO-Postal  
QM-Quartermaster  
SC-Signal  
TC-Transportation

LOSS CAUSE

A-Direct Fire  
B-Indirect Fire  
C-Mine  
D-Battle Loss  
E-Acc/Crash  
F-Fwt  
G-Other

TERRAIN

A-Jungle  
B-Open  
C-Forest/Plantation  
D-Marsh/Rice Paddy  
E-High Grass  
F-Mountainous  
G-City/Village

H-Gullies

OPERATIONS

WOUNDED HOSTILE ACTION

No Codes

Numeric, personnel  
wounded

CORPS TACTICAL ZONE

WEATHER

1  
2  
3  
4

A-Clear  
B-Rain  
C-Fog  
D-Overcast  
E-Not Given

VISIBILITY

PASSENGERS

A-Not Given  
B-NA/FY68  
D-Daylight  
N-Darkness

Numeric, number of  
personnel involved in  
loss.

CARD COUNT

Numeric

ITEM NAME FILE  
FILE DESCRIPTION

<u>RECORD POSITIONS</u>	<u>DESCRIPTION</u>
1-23	ITEM FULL NAME
24-30	MODEL NUMBER
31	SPACE
32-37	LINE ITEM NUMBER
38	SPACE
39-49	FEDERAL STOCK NUMBER
50-80	SPACES

ORGANIZATION NAME FILE  
FILE DESCRIPTION

<u>RECORD POSITION</u>	<u>DESCRIPTION</u>
1-2	MAJOR COMMAND CODE
3-5	SPACES
6-7	MAJOR COMMAND CODE
8-20	MAJOR UNIT NAME
21-23	SUB-UNIT UIC
24-25	COMPANY DESIGNATION
26-28	SUB-UNIT NO.
29-40	SUB-UNIT NAME
41-42	UNIT BRANCH
43-80	SPACES

COLED-V CODING LEGENDS AND  
EXPLANATIONS FOR ITEM LOSSES

TYPE REPORT

CL-Combat Loss  
NC-Non-Combat Loss  
NR-Evacuation to  
Rebuild Depot  
RB-Rebuild Depot  
Report

MISSION

A-Recon in Force  
B-Clear and Secure  
C-Cordon and Search  
D-Security  
E-Base Camp Defense  
Engaged  
F-Not Under Attack

DESTINATION/DISPOSITION

Burn  
DEST-(Destroyed)  
SAL-(Salvaged)  
PDO-(Taiwan)  
PDO-(Cannibalized)  
PDO-(Cann. Point)  
BTLS-(Battle Loss)

FIRE

F-Fire  
NF-No Fire

INTENSITY

A-Heavy  
B-Moderate  
C-Light  
D-Inactive

KILLED HOSTILE ACTION

Numeric, personnel  
killed

BRANCH

AB-Airborne  
AD-Air Defense  
AG-Adjutant General  
AR-Armor  
AS-Security  
AV-Aviation  
CA-Civil Affairs  
CM-Chemical  
CS-Combat Support  
CV-Cavalry  
EN-Engineers  
FA-Artillery  
FI-Finance  
IN-Infantry  
MD-Medical  
MH-Military History  
MI-Intelligence  
MP-Military Police  
OD-Ordnance  
PI-Public Information  
PO-Postal  
QM-Quartermaster  
SC-Signal  
TC-Transportation

LOSS CAUSE

A-Direct Fire  
B-Indirect Fire  
C-Mine  
D-Battle Loss  
E-Acc/Crash  
F-Fwt  
G-Other

TERRAIN

A-Jungle  
B-Open  
C-Forest/Plantation  
D-Marsh/Rice Paddy  
E-High Grass  
F-Mountainous  
G-City/Village

H-Gullies	<u>OPERATIONS</u>
<u>WOUNDED HOSTILE ACTION</u>	No Codes
Numeric, personnel wounded	<u>CORPS TACTICAL ZONE</u>
	1
	2
	3
	4
<u>WEATHER</u>	<u>VISIBILITY</u>
A-Clear	A-Not Given
B-Rain	B-NA/FY68
C-Fog	D-Daylight
D-Overcast	N-Darkness
E-Not Given	
<u>PASSENGERS</u>	<u>CARD COUNT</u>
Numeric, number of personnel involved in loss.	Numeric

## VALIDATION NOTES

### COMBAT OPERATIONS LOSS and EXPENDITURE DATA-VIETNAM

#### AMMUNITION EXPENDITURES, 1968, 1969, 1970:

Codes for the Sub-Unit ID (UIC), fields 1-5, and codes for the Major Commands (UIC), fields 15-21, are missing. However the Sub-Unit name, fields 6-20, and Major Command Name, fields 26-40, are written in full so the utility is not affected.

Fields 63-66, JULIAN DATE of ACTION, has four digits. The first digit in Ammunition Expenditures, 1968, 1969, and 1970, is the year in which the action took place and the Julian date follows. 8123, for example, would translate into May 2, 1968.

#### AMMUNITION EXPENDITURES, 1969, 1970:

Fields 53-62 are listed in the record layout as being empty. The sample dump for these years, however, shows recurring characters in these fields for which an explanation does not exist.

#### LOSS DATA-END ITEMS:

Fields 1-2, MAJOR UNIT ID, are empty on some records. The Machine-readable Branch does not have codes for these fields. Fields 41-45, ITEM AGE, does not always have the year of manufacture of the item. If the year is given in these fields, it is preceded in field 41 by a "Y". Thus, if the item were built in 1967, the fields would read "Y1967". If the item was a motorized vehicle the age is given in miles used before the loss occurred. If the item was an aircraft the age is determined by hours flown. To determine this, fields 102-131 contain the ITEM FULL NAME.

The "COLED-V Coding Legends and Explanations for Item Losses," indicates that four types of reports were generated by these data. They are: (1) Combat Loss [CL]; (2) Non-Combat Loss [NC]; (3) Evacuation to Rebuild Depot [NR]; (4) Rebuild Report [RB]. Machine validation on fields 46-47, STATUS, using SAS, disclosed that only Combat Loss [CL] and Non-Combat Loss [NC] data were recorded. Thus if the items were sent to a rebuild depot or rebuilt these data would not be found in these records.

Using information extracted from USARV Form 2408-7, the combat loss and non-combat loss data were originally placed onto a Punch Card Format. The data were then reformatted onto the Tape Format. Even though the data are the same, the field locations on the Punch Card Format and the Tape Format are not. The utility of the data is not compromised.

**ORGANIZATION NAME FILE:**

The Machine-readable Branch does not have codes for the following:

- (1) MAJOR COMMAND Codes, fields 1-2.
- (2) SUB-UNIT UIC, fields 21-23.
- (3) COMPANY DESIGNATION, fields 24-25.

However, the FULL NAME OF COMMAND is given in fields 8-20 so the data are not compromised.

Codes for UNIT BRANCH, fields 41-42, are the same as those in the END ITEMS data set.

# National Archives



Washington, DC 20408

Validation - ITEM LOSS

"STATUS" Field  
SAS Validation

## VALIDATION OF COLEDV

15:36 TUESDAY, JANUARY 12, 1988

STATUS	FREQUENCY	CUM FREQ	PERCENT	CUM PERCENT
CL	53711	53711	29.954	29.954
NC	125602	179313	70.046	100.000



## Algemene levensgeschiedenis, 1768-1769

Preservation Job 87-P095  
Validated 11/19/87  
Mike Marin

\*\*\*FI18 PRINT OF HEADER LABELS:

VOL1B036690

NIH=BTHSDA





Validated 1/11/88

Mark Meier

## \*\*\*FI18 PRINT OF HEADER LABELS:

VOL1B036690

NIH=BTHSDA

HDR1RG338.COLEDV.ITEMB0366900010005  
 HDR2F096000008040MTEP097B/GO

87316 000000000000IBM OS/VS 370  
 60830

Serial  
Model  
Name  
Member  
Number  
Stock No.

B  
Federal  
Belarus

***FI21	CURRENT DATA	SET NUMBER IS	00005		
***WT2	BLOCK 1,	RECORD 1,	RECORD 1,	1 IN ENTIRE FILE, RECORD SIZE	80 .
MG 50 CAL HVY M26CUP	M2	L91290	10050136944	*	
***WT2	BLOCK 1,	RECORD 2,	RECORD 2,	2 IN ENTIRE FILE, RECORD SIZE	80 .
RIFLE 7.62MM	M14A1	R95251	10050725011	*	
***WT2	BLOCK 1,	RECORD 3,	RECORD 3,	3 IN ENTIRE FILE, RECORD SIZE	80 .
RIFLE 5.56MM	M16A1	R94977	10050739421	*	
***WT2	BLOCK 1,	RECORD 4,	RECORD 4,	4 IN ENTIRE FILE, RECORD SIZE	80 .
ARMT SYM HCPT 7.62MM	M6	A90323	10050868332	*	
***WT2	BLOCK 1,	RECORD 5,	RECORD 5,	5 IN ENTIRE FILE, RECORD SIZE	80 .
REVOLVER 38	CLT2IN	R91107	10052140933	*	
***WT2	BLOCK 1,	RECORD 6,	RECORD 6,	6 IN ENTIRE FILE, RECORD SIZE	80 .
REVOLVER 38	SW4INMR	R91244	10052140934	*	
***WT2	BLOCK 1,	RECORD 7,	RECORD 7,	7 IN ENTIRE FILE, RECORD SIZE	80 .
REVOLVER 38	CLT4IN	R91244	10053172464	*	
***WT2	BLOCK 1,	RECORD 8,	RECORD 8,	8 IN ENTIRE FILE, RECORD SIZE	80 .
MG 50 HVY FLEX GRN	M2	L91975	10053229715	*	
***WT2	BLOCK 1,	RECORD 9,	RECORD 9,	9 IN ENTIRE FILE, RECORD SIZE	80 .
PISTOL CAL 45 AUTO	M1911A1	N96741	10055612003	*	
***WT2	BLOCK 1,	RECORD 10,	RECORD 10,	10 IN ENTIRE FILE, RECORD SIZE	80 .
RIFLE 7.62MM	M14	R95114	10055891271	*	
***WT2	BLOCK 1,	RECORD 11,	RECORD 11,	11 IN ENTIRE FILE, RECORD SIZE	80 .
MG 7.62 MM LT FLEX	M60	L92386	10056057710	*	
***WT2	BLOCK 1,	RECORD 12,	RECORD 12,	12 IN ENTIRE FILE, RECORD SIZE	80 .
CARBINE .30 CAL SAUT	M1	D06435	10056707670	*	
***WT2	BLOCK 1,	RECORD 13,	RECORD 13,	13 IN ENTIRE FILE, RECORD SIZE	80 .
CARBINE .30 CAL AUT	M2	D06298	10056707675	*	

## \*\*\*FI18 PRINT OF HEADER LABELS:

VOL1B036690

NIH=BTHSDA

HDR1RG338.COLEDV.ORGNB0366900010006  
HDR2F09600008040MTEP097B/G0B 87316 000000000000IBM OS/VS 370  
B 60830

② 29 minicart, own)

Name File

Validated 1/11/88

Night Mail

***FI21	CURRENT DATA	SET NUMBER IS -	00006	
***WT2	BLOCK	1, RECORD	1, RECORD	1 IN ENTIRE FILE, RECORD SIZE 80 .
AC	AC1ST CAV DIV	AAFAAA011HHC GROUP AMAV		x
***WT2	BLOCK	1, RECORD	2, RECORD	2 IN ENTIRE FILE, RECORD SIZE 80 .
AC	AC1ST CAV DIV	AAGAAA011CO GEN SPT AV		x
***WT2	BLOCK	1, RECORD	3, RECORD	3 IN ENTIRE FILE, RECORD SIZE 80 .
AH	AH12TH AVN GRP	AAMAAA017SQ 3RD AIRCVAR		x
***WT2	BLOCK	1, RECORD	4, RECORD	4 IN ENTIRE FILE, RECORD SIZE 80 .
AC	AC1ST CAV DIV	AAVAIA227BN ASLT HEL AV		x
***WT2	BLOCK	1, RECORD	5, RECORD	5 IN ENTIRE FILE, RECORD SIZE 80 .
AC	AC1ST CAV DIV	AAMAAA228BN A H SPT AV		x
***WT2	BLOCK	1, RECORD	6, RECORD	6 IN ENTIRE FILE, RECORD SIZE 80 .
AC	AC1ST CAV DIV	AAXAAA229BN ASLT HEL AV		x
***WT2	BLOCK	1, RECORD	7, RECORD	7 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	AA5AA017SQ CV 1ST CV	2	x
***WT2	BLOCK	1, RECORD	8, RECORD	8 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	ABCRAA082HHC 3RD BDE AB	2	x
***WT2	BLOCK	1, RECORD	9, RECORD	9 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	ABGAAA307BN ABN EN	2	x
***WT2	BLOCK	1, RECORD	10, RECORD	10 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	ABLAAA321BN 2ND 105 TFA	2	x
***WT2	BLOCK	1, RECORD	11, RECORD	11 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	ABUAAA505BN 1ST IN	2	x
***WT2	BLOCK	1, RECORD	12, RECORD	12 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	ABVAAA505BN 2ND IN	2	x
***WT2	BLOCK	1, RECORD	13, RECORD	13 IN ENTIRE FILE, RECORD SIZE 80 .
BE	BE82ND ABN BDE	ABWAAA508BN 1ST IN	2	x