



**NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER**

USER'S MANUAL FOR THE DATA ENTRY (DEN) PROGRAM

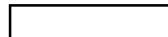
**Declass Review by
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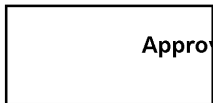


JUNE 1970

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35 PAGES

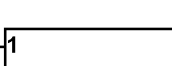
GROUP 1: EXCLUDED FROM
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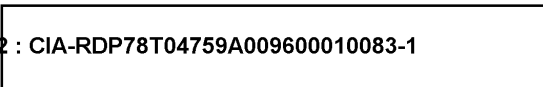
CIA-RDP78T04759A009600010083-1



USER'S MANUAL FOR THE DATA ENTRY

(DEN) PROGRAM

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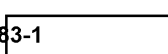
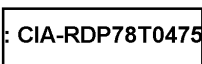
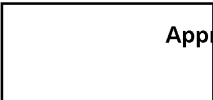
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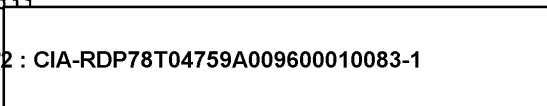
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TO THE USERS

Whenever necessary, revisions and/or addenda to this manual will be issued by the Automated Information Division, Production Services Group.



CHAPTER I. THE DEN PROGRAM

The Data Entry (DEN) Program is a computer program you will use to enter mission readouts in the Working File. You will call and run the program from an ASR teletypewriter in your work area. To use the DEN Program effectively, it is assumed that you know how to operate a teletypewriter. How to initialize, operate, and turn off a teletypewriter is explained in Introduction to the Remote Access Computer Service, May 1970. Copies are available in AID/PSG.

WORKSHEETS

Data to be entered in the Working File will be written on five worksheets:

- * Basic Worksheet
- * New Target Worksheet
- * Worksheet for Order of Battle
& Associated Objects
- * Mission Highlights Worksheet
- * Photo References Worksheet

Two worksheets and most of the data on them will be printed by the UNIVAC 494 computer: the Basic Worksheet and the Photo References Worksheet. One or more machine reference numbers (MRNs) will appear on all but the New Target Worksheet. This number identifies each target record. It is assigned by the UNIVAC 494 computer and will never be changed or transferred to another record.

All data on a given target must be entered in one transmission. A continuation page, which will contain handwritten data, may be attached to either a Basic Worksheet or a New Target Worksheet. The Worksheet for Order of Battle & Associated Objects will always be attached to either a Basic or a New Target Worksheet. The information recorded on this sheet must be transmitted with the data recorded on either of these two sheets. If you attempt to transmit only the data recorded on the order-of-battle worksheet, you will receive an error message.

Each worksheet will contain one or more blocks of data. Each block of information will be introduced by three symbols -- a dollar sign, a number or letter, and a second dollar sign. For example:

\$1\$000050\$1\$. . .
\$A\$C\$6\$. . .

You will transmit these symbols and the data following them exactly as they appear on the worksheets -- including the dollar signs and any mnemonics such as IMR: or STA:.

In this manual data is referred to as values or entries. Except for textual data, the number of character positions assigned to each value is delimited by dollar signs. For example, the date, 25 December 1970, is written this way:

\$701225\$

Values can consist of several characters, one line, or several lines.

Sample worksheets are presented on the following pages. The entries or values appearing in each are only samples.

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TOP SECRET

WORKING PAPER

BASIC WORKSHEET

DATA ENTRY
INTERPRETER

VERIFIER
VALIDATED

25X1

NEX
\$1\$000356\$!\$KH\$4324-1\$700713\$ \$

W A Q C W O M
P R P/F URG U V E T D
\$A\$1\$1\$111DX030 \$226 195" \$E\$C0\$C1\$04.\$5\$

25X1

25X1

ZAGORSK RKT ENG TEST FAC KRASNOZAVODSK UR 562542N 0381035E A

- REPORT 1 - PRESENCE OF MISSILES AND MISSILE RELATED EQUIPMENT
- 2 - NEW CONSTRUCTION, CHANGES TO FACILITIES, AND FEATURES NOT PREVIOUSLY REPORTED
- 3 -

25X1

25X1

\$D\$STA:000 NAC 3 ENGINES VISIBLE SW OF MAIN TEST FACILITY.

25X1

TOP SECRET

25X1

TOP SECRET

TOP SECRET

25X1

25X1

TOP SECRET
CONTINUATION PAGE
FOR BASIC WORKSHEET

WORKING PAPER

MRN _____
PAGE ____ OF ____ PAGES



25X1

\$G\$DES: A complete redescription of target status, activity, and/or changes may be recorded here.

or

\$G\$RMK: An incomplete description of target status, activity, and/or changes may be recorded here.

25X1

\$H\$DFC: A description of the security and defense facilities relating to the target may be recorded here.

\$J\$ Informal notes may be recorded here.

TOP SECRET



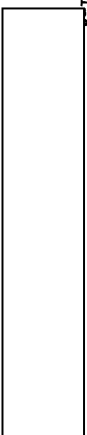
25X1

TOP SECRET

25X1



TOP SECRET

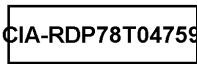
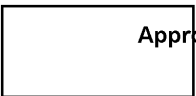


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TYPING RULES

You will type the blocks of data introduced by three symbols -- a dollar sign, a number or letter, and another dollar sign. You must type these three symbols and the data following them exactly as they appear on the worksheet -- including the dollar signs and any mnemonics such as IMR: or STA:.

Some of the values on the worksheets are required; others are optional. If no values have been recorded for a block of data, do not type the introductory symbols or the dollar-sign delimiters in that line. However, if one or more values have been entered, you must type all the dollar signs that delimit the values -- including those dollar signs that delimit missing values. For example, if the line looks like this,

\$A\$B\$ \$ \$ \$ \$ \$ \$ \$

type \$A\$B\$\$\$\$\$\$\$\$

Do not press the space bar to indicate missing characters.

Some of the values may be right or left justified. For example, the value

\$420 \$

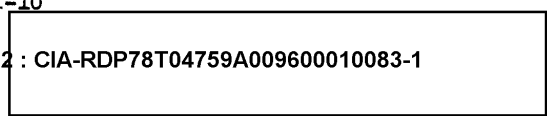
In this case, ignore the blank character positions and type the value like this

\$420\$

You must press the RETURN and LINE FEED keys

- * before you type a dollar sign, a number or letter, and another dollar sign that introduces a block of data (except for the first block on a worksheet)
- * each time you reach the end of a line on a worksheet
- * each time you reach the end of a line on the teletypewriter copy
- * after you type the coverage (CV) value and its delimiting dollar sign in the \$L\$ line of a Photo References Worksheet

Whenever you type textual data, you must leave spaces between words. This includes those words that end in the last position on a line on the teletypewriter copy. In this case, press the RETURN and LINE FEED keys. Then press the space bar and continue typing data. Do not hyphenate words. If a word will not fit on a line, type the entire word on the following line.



CHAPTER II. HOW TO RUN THE PROGRAM

How to run the DEN Program involves these procedures:

- * calling the program
- * transmitting the data on the worksheets
- * receiving your output

Each time you run the DEN Program, the data you submit in one transmission must be limited to the following:

- * data from one Basic Worksheet, continuation page (if any), and an order-of-battle worksheet for the same target (if any)

or

- * data from one New Target Worksheet, continuation page (if any), and an order-of-battle worksheet for the same target (if any)

or

- * data from one Mission Highlights Worksheet

or

- * data from one or more Photo References Worksheets

This restriction will make it easier to correct any errors you may have submitted in one transmission. For each error transmitted to the computer you will receive an error message after you have terminated the program. (See CHAPTER III.) If you make an error while typing data recorded in one or more \$L\$ blocks on a Photo References Worksheet, retransmit only the \$2\$ block and the \$L\$ block or blocks in error -- not all data on the worksheet. Errors made when entering data from all other worksheets can be corrected only by retransmitting all data in a given transmission -- not just the corrected data.

CALLING THE PROGRAM

Obtaining the particular computer program that will process your data is referred to as calling a program or a program call-up. To call the DEN program follow these steps in the order listed.

- STEP 1 Press **ALT MODE**
- STEP 2 Press **CTRL** + **SMK A** simultaneously
- STEP 3 Type DEN and then a comma. On the same line, type the logical equipment number (LEN) of the device you are using. A LEN has been assigned to each teletypewriter in Do not leave spaces between entries.
- STEP 4 Press **RE-TURN** and then **LINE FEED**
- i.e., R/L or C/L -- carriage return and line feed. Pressing the RETURN key will return the carriage to the left margin. Pressing the LINE FEED key will move the paper up one line. Both must be pressed after you have typed a LEN.
- STEP 5 Type your component code and a comma. On the same line type your name and a comma. On the same line type your extension. Do not leave spaces between entries.
- STEP 6 Press **RE-TURN** and then **LINE FEED**

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All of the information that you have just submitted to the computer system is called a header or header information.

To summarize the calling sequence:

ALT MODE
 CTRL + SMK
 DEN,LEN R/L
 Your Component Code,Name,Extension R/L

TRANSMITTING THE DATA ON THE WORKSHEETS

You are now ready to transmit the data on the worksheets. First,

- press **ALT MODE**
- CTRL** + **SOS Q** simultaneously

These keys must be pressed before you type any data from the worksheets. The SOS key indicates to the computer system that data is to be transmitted.

type the data as it appears on the worksheet.
(See TYPING RULES, CHAPTER I). Then,

press

ALT
MODE

CTRL

+

EOT
D



simultaneously

The EOT key will inform the computer system that you have terminated the transmission of all data and are now awaiting output.

CORRECTING ERRORS

Correcting the Preceding Character

If the last character that you typed was wrong, you can correct it by using the upper case symbol on the N key.

Press  N +  simultaneously

Pressing these keys will produce an arrow and delete the preceding character from the transmission. The incorrect character will remain on the printed page.

Type the correct character.

For example,



before: THIS ILLUSTRATION SHOW

after: THIS ILLUSTRATION SHOW↑S HOW THE PRINTED PAGE WILL LOOK.

Correcting the Preceding Two Characters

If the next to the last character or the last two characters typed were wrong, you can correct them by using the upper case symbol on the N key.

Press  N +  simultaneously

 N +  simultaneously

Each time you press these keys an arrow will be produced, and a character will be deleted from the transmission. The incorrect characters will remain on the printed page.

Type the two correct characters.

For example,

before: THIS ILLUSRA

after: THIS ILLUSRA↑↑TRATION SHOWS HOW THE PRINTED PAGE WILL LOOK.

Correcting Other Characters
in the Line Being Typed

While typing a line, if you find that any characters -- except the last two -- are incorrect, you can correct them before you begin typing the next line. To correct such characters, delete the entire line.

Press  and then 

Pressing the RETURN key will return the carriage to the left margin. Pressing the LINE FEED key will move the paper up one line.



Type \$DELETE\$



The entire line will be deleted from the transmission; however, it will remain on the printed page. Then retype the line. For example,



THIS ILLUSTRATION SHOWS HOW HOW THE PRINTED PAGE WILL
\$DELETE\$
THIS ILLUSTRATION SHOWS HOW THE PRINTED PAGE WILL LOOK.

Correcting Characters
in Preceding Lines


If you discover an error in any of the preceding lines, you can correct them by deleting the entire transmission.



Press  +  simultaneously

 +  simultaneously

 +  simultaneously

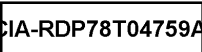
Each time you press the two keys an arrow will be produced. Pressing the keys the third time will delete the entire transmission.

Press 

 +  simultaneously

Pressing these keys will terminate your communication with the computer.

Call the program again and retransmit all data.



RECEIVING YOUR
OUTPUT

If the data you transmitted was from a New Target Worksheet, you will receive the following message:

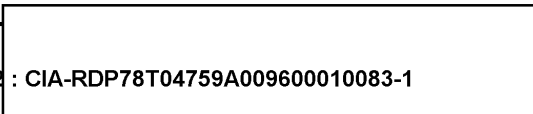
THE NEW ENTRY (\$3\$ LINE) HAS BEEN ASSIGNED MRN NNNNNN

NNNNNN represents the machine reference number (MRN) assigned to the new target record. Record this number on the New Target Worksheet in the upper left corner.

If there were no errors in the data you transmitted from any of the worksheets, you will receive this message:

PROCESSING FOR THIS TRANSMISSION COMPLETED.

If you receive an error message instead of this message, see CHAPTER III.



CHAPTER III. ERROR MESSAGES

If you make an error during the transmission of data to the computer, you will receive this list of error messages:

1. ILLEGAL INPUT FORM.
2. UNRECOGNIZED MESSAGE TYPE.
3. UNDEFINED MESSAGE TYPE.
4. INVALID MRN.
5. UNACCEPTABLE MESSAGE SEQUENCE.
6. ILLEGAL MISSION INFORMATION.
7. REQUIRED LINES NOT ALL PRESENT.
8. PASSED OFF DUE TO PRECEDING ERROR.
9. INPUT PARAMETER CONTAINS TOO MANY CHARACTERS.
10. INPUT PARAMETER CONTAINS TOO FEW CHARACTERS.

This list will be followed by the number of your error message and a printout of the line or lines in which the error occurred. Whenever you receive an error message, you must rerun the program and resubmit all data recorded on a worksheet, except the Photo References Worksheet.

Some error messages will indicate that either a value or its format is incorrect. Thus, for your convenience, we have included in APPENDIX A the instructions that will be used by the individual who enters the data on the worksheets. These instructions include all values to be recorded on worksheets and the format of each.

All error messages and what to do about each are listed on the following pages.

Error Message

Cause

What To Do

N U M B E R E D E R R O R M E S S A G E S

- | | | |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| 1. ILLEGAL INPUT FORM. | Required value(s) is missing; or
format of value is incorrect; or
dollar sign delimiter is missing | See APPENDIX A for required values & for
correct formats; rerun DEN Program &
submit correct values or dollar sign |
| 2. UNRECOGNIZED MESSAGE TYPE. | You entered \$X\$; X was not a letter
or number | Rerun the program & enter \$number\$ or
\$letter\$ |
| 3. UNDEFINED MESSAGE TYPE. | You entered \$X\$ but X was not 1 thru
4 or A thru M (excluding K) | Rerun program & enter correct number or
letter between dollar signs |
| 4. INVALID MRN. | Invalid MRN | Rerun program & transmit correct MRN |
| 5. UNACCEPTABLE MESSAGE SEQUENCE. | Data entered in wrong sequence | Enter data exactly as shown on worksheet |
| 6. ILLEGAL MISSION INFORMATION. | You entered invalid mnemonic | Enter valid mnemonic; only these are valid:
STA:, DES:, RMK:, DFC:, IMR:, UTM:, WAGC,
IDC:, MPR:, & ELEV |
| 7. REQUIRED LINES NOT ALL PRESENT. | Required line or lines missing | Check worksheet; rerun program & submit all
required lines; see APPENDIX A for re-
quired data |
| 8. PASSED OFF DUE TO PRECEDING ERROR. | After the first, all other errors in
a block of data are ignored because
all data must be retransmitted | Rerun program & submit corrected lines |



TOP SECRET



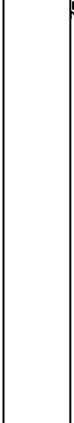
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III-2

<u>Error Message</u>	<u>Cause</u>	<u>What To Do</u>
9. INPUT PARAMETER CONTAINS TOO MANY CHARACTERS.	Number of characters exceeds maximum	See APPENDIX A for correct number of characters; rerun program & enter correct value
10. INPUT PARAMETER CONTAINS TOO FEW CHARACTERS.	Not enough characters for value transmitted	See APPENDIX A for correct number of characters; rerun program & enter correct value

U N N U M B E R E D E R R O R M E S S A G E S

DUPLICATE MRN IN QUEUE LIST	You entered same MRN twice	Contact the Chief, Information Systems Branch, AID for assistance
COULD NOT RECOGNIZE ANY OF THE FOLLOWING INPUT AS DEN INPUT	----	Check accuracy of worksheet; try to rerun program; if entered data is correct but message is received again, contact Chief, Information Systems Branch, AID for assistance
YOU HAVE CALLED FOR DEN BUT HAVE PROVIDED NO INPUT FOR DEN TO PROCESS. REINITIALIZE	----	Call program again & submit data; if you receive same message again, contact Chief, Information Systems Branch, AID for assistance

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TOP SECRET

TOP SECRET

25X1

25X1

If you receive any of the following error messages, contact the Chief, ISB/AID for assistance. N stands for a number.

NO ROOM IN THE QUEUE FOR A NEW ENTRY.

NO ROOM IN THE WORKING FILE FOR NEW DATA.

HAVE ENCOUNTERED AN EFC ERROR STATUS NN FOR FUNCTION NN.
MUST ABORT THIS RUN. CONTACT PROGRAM MAINTENANCE.

NO MISSION CONTROL SECTOR FOR THE SPECIFIED PHASE/CLASS/MISSION.
MUST HALT THIS RUN. MRN PH/CL/MISS.

STATUS LIST TROUBLE.

HAVE ENCOUNTERED AN I/O ERROR OR OTHER UNRECOVERABLE DIFFICULTY.
MUST ABORT THIS RUN.

FIXED FIELD/ITEM NAME AND FFT DO NOT AGREE. MUST ABORT THIS RUN.

FFTS ARE IN ERROR.

APPENDIX A. VALUES TO BE ENTERED ON WORKSHEETS

BASIC WORKSHEET
(N = number; A = letter; b = blank)

Entry	Character Positions	Format
	\$1\$	
MRN; printed by computer	6	
Phase of exploitation; required by computer; enter value	1	N; N = 1 or 2
Mission designator; printed by computer	8	Positions 1-2: abbreviation for collection system or for mission nickname Positions 3-8: mission & bucket numbers
Start date; date mission started; printed by computer	6	NN = last 2 digits of year NN = month NN = day
NEX; code for "not exploitable" C = target is cloud covered F = target is off frame If value is entered, do not complete rest of worksheet	1	A; A = C or F
	\$A\$	
WP; WWIPR part; required by computer; enter value	1	A; A = A-Z
AR; area designator	1	N; N = 1 through 7

TOP SECRET

BASIC WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
-------	---------------------	--------

\$A\$ (Continued)

P/F; best pass & frame to be specified in WWIPR; required by computer	8	Satellite photography Positions 1-4: NNNA = pass Positions 5-8: FNNA = camera/frame ANNA = camera/frame XNNA = index number Example: 111DF030 Aircraft photography Positions 1-4: NNNN = frame; right justify; use leading zeros Positions 5-8: camera station; left justify; leave unused positions blank Example: 0009LSV
URG; x-y coordinates of target; required by computer	6	NNN = x coordinate NNN = y coordinate
QU; quality of interpretability: E, G, F, or P; required by computer	1	A; A = E, G, F, or P
CV; extent & angle of coverage P = partial coverage C = complete coverage O = oblique angle V = vertical	2	AA or Ab A = C or P; required by computer A = O or V; optional
WE; weather conditions CL = clear SC = scattered clouds HC = heavy clouds HA = haze Required by computer	2	AA; AA = CL, SC, HC, or HA
OT; other conditions affecting photo interpretation SN = snow SH = shadow OL = obliquity SD = semidarkness HD = heavy dust	2	AA; AA = SN, SH, OL, SD, or HD



BASIC WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
-------	---------------------	--------

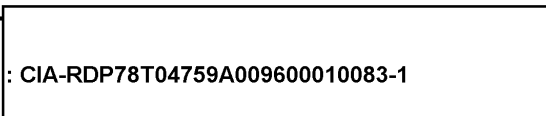
\$A\$ (Continued)

MD; mode: type of film & extent of stereo coverage; required by computer	1	A; A = S, W, A, P, C, B, D, F, R, or N
--------------------------------------------------------------------------	---	----------------------------------------

REST OF DATA FOLLOWING \$A\$ IS PRINTED BY THE COMPUTER

\$D\$

STA;; trinome for status of target; required by computer NEG COM NOP DMG UNP ABN TRN DST UCO UKN OPR OCC RMV NAC & text not over 53 characters may also be entered but both are optional	61	Positions 1-3: status trinome Position 4: blank Positions 5-61: NAC & text
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----	----------------------------------------------------------------------------------



NEW TARGET WORKSHEET
(N = number; A = letter; b = blank)

Entry	Character Positions	Format
	\$3\$	
NPIC NO; NPIC number; required by computer	12	NNNN-NNNN-AN
BE; installation number only	6	-NNNNN, -ANNNN, ANNNNN, or AANNNN
IDHS category code	5	NNNNN
NAME OF TARGET; required by computer	38	Alphanumeric; left justify; leave unused positions blank
COUN; country code; see <u>Basic Encyclopedia</u> ; required by computer	2	AA
Geocoordinates; AIF or imagery-derived coordinates; required by computer	15	
Latitude: if seconds are unknown, enter slashes	7	NNNNNNA or NNNN//A A = N or S; cross out unused symbol
Longitude: if seconds are unknown, enter slashes	8	NNNNNNNA or NNNNN//A A = E or W; cross out unused symbol
NCAT; NPIC category code	3	AAN
COMP; IEG component code; designates exploitation responsibility; required by computer	3	NNA or NNN
MIL; number of military district in which target is located; assigned by DIA	3	NNN
NTP category code; assigned by COMIREX; NTP = National Tasking Plan	5	AANNN

A-4

NEW TARGET WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
-------	---------------------	--------

\$1\$

PH; phase of exploitation;
required by computer

1

N; N = 1 or 2

MISSION DESIGNATOR; required
by computer

8

Positions 1-2: abbreviation for
collection system or for mis-
sion nickname
Positions 3-8: mission & buc-
ket numbers

[Redacted]

25X1

START DATE of mission; required
by computer

6

NN = last 2 digits of year
NN = month
NN = day
Example: 701111

\$A\$

WP; WWIPR part; required by
computer

1

A; A = A-Z

AR; area designator

1

N; N = 1-7

PASS/FRAME; best to be
specified in WWIPR;
required by computer

8

Satellite photography
Positions 1-4: NNNA = pass
Positions 5-8: FNNN = camera/
frame
ANNN = camera/
frame
XNNN = index
number

Example: 111AF030
Aircraft photography
Positions 1-4: NNNN = frame;
right justify; use leading
zeros
Positions 5-8: camera sta-
tion; leave unused positions
blank
Example: 0009LSV

NEW TARGET WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
-------	---------------------	--------

\$A\$ (Continued)

URG; x-y coordinates of target; required by computer	6	NNN = x coordinate NNN = y coordinate
QU; quality of interpretability: E, G, F, or P; required by computer	1	A = E, G, F, or P
CV; extent & angle of coverage C = complete P = partial O = oblique V = vertical	2	AA or Ab A = C or P; required by computer A = O or V; optional
WE; weather conditions CL = clear SC = scattered clouds HC = heavy clouds HA = haze Required by computer	2	AA; AA = CL, SC, HC, or HA
OT; other conditions affecting photo interpretation SN = snow SH = shadow OL = obliquity SD = semidarkness HD = heavy dust	2	AA; AA = SN, SH, OL, SD, or HD
MD; mode: type of film & extent of stereo coverage; required by computer	1	A; A = S, W, A, P, C, B, D, F, R, or N

\$B\$

IMR: Lines

FRAME DATE; date of first frame specified in IMR: line; required by computer	6	NN = last 2 digits of year NN = month NN = day Example: 701112
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NEW TARGET WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
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\$B\$ (Continued)
IMR: Lines

PASS; required by computer	4	NNNA = ascending NNNM = mixed NNND = descending NNNE = engineering
CAMERA/FRAME or INDEX from which x-y reading was taken; required by computer	14	Alphanumeric; left justify; separate each value with a comma
X-Y coordinates	9	NN.N-NN.N
STEREO FRAME	14	Alphanumeric; stereo counterpart; format is identical to CAMERA/FRAME or INDEX Example: \$A015,A019,A030\$
QU; quality of interpretation: E, G, F, or P	1	A; A = E, G, F, or P
CV; extent & angle of coverage C = complete P = partial O = oblique V = vertical	2	AA or Ab A = C or P A = O or V
WE; weather conditions CL = clear SC = scattered clouds HC = heavy clouds HA = haze	2	AA; AA = CL, SC, HC, or HA
OT; other conditions affecting photo interpretation SN = snow SH = shadow OL = obliquity SD = semidarkness HD = heavy dust	2	AA; AA = SN, SH, OL, SD, or HD

25X1

NEW TARGET WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
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\$B\$ (Continued)
IMR: Lines

MD; mode: type of film & extent of stereo coverage	1	A; A = S, W, A, P, C, B, D, F, R, or N
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BEST; indicator for evaluation of frame(s) cited in IMR: entries; limited to best or not best	1	* = best blank = not best
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\$I\$

UTM; UTM Grid coordinates of target	15	NNAAANNNNNNNNNN
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WAGC; World Area Grid code	10	NNNNNNNAN
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IDC; imagery-derived geocoordinates; required by computer	15	NNNNNNANNNNNNA
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MPR; map references for target; required by computer	30	Alphanumeric
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ELEV; elevation of target in relation to mean sea level; value is plus or minus; required by computer	5	NNNNN or -NNNN; right justify; use leading zeros
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\$D\$

STA; trinome for status of target; required by computer NEG COM NOP UNP ABN TRN DST UCO UKN OPR OCC RMV DMG	3	Positions 1-3: status trinome
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NEW TARGET WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
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\$G\$

DES:; description of target; use continuation page if necessary; required by computer 2,500 Alphanumeric

WORKSHEET FOR ORDER
OF BATTLE & ASSOCIATED OBJECTS
(N = number, A = letter)

Entry	Character Positions	Format
	\$E\$	
TYPE of object(s); required by computer MIS AOB NVL GFW ELC AAA OBJ	3	AAA
FRAME DATE; date of frame on which OB or other objects are visible; required by computer	6	NN = last 2 digits of year NN = month NN = day Example: 701112
COUNT; number of objects observed; required by computer	4	NNNN; right justify; use leading zeros
VALIDITY; confidence factor in identification of object(s)	4	AAAA; AAAA = CONF, PROB, POSS
NAME OF OBJECT; required by computer	24	Alphanumeric
TEXT on OB & associated objects; optional	2,500	Alphanumeric

MISSION HIGHLIGHTS WORKSHEET
(N = number, A = letter)

Entry	Character Positions	Format
	\$1\$	
MRN; required by computer	6	Always 000001
PH; phase of exploitation; required by computer	1	N; N = 1 or 2
MISSION DESIGNATOR; required by computer	8	Positions 1-2: abbreviation for collection system or for mission nickname Positions 3-8: mission & bucket numbers Example: KH1106-1
DATE OF TEXT; required by computer	6	NN = last 2 digits of year NN = month NN = day Example: 701112
	\$4\$	
TEXT OF HIGHLIGHTS; required by computer; begin each paragraph with \$4\$	2,500	Alphanumeric

PHOTO REFERENCES WORKSHEET
(N = number; A = letter; b = blank)

Entry	Character Positions	Format
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\$L\$
IMR: Entries

MRN; printed by computer	6	
DATE of frame from which x-y reading was taken; required by computer	6	NN = last 2 digits of year NN = month NN = day Example: 701212
PASS; required by computer	4	NNNA = ascending NNNM = mixed NNND = descending NNNE = engineering
FRAME from which x-y reading was taken; required by computer	14	Camera & frame; left justify; separate each value with a comma
X-Y coordinates	9	NN.N-NN.N
STEREO FRAME	14	Camera & frame; identical to FRAME format Example: \$A015,A019,A030\$
QU; quality of interpretability: E, G, F, or P	1	A; A = E, G, F, or P
CV; extent & angle of coverage C = complete P = partial O = oblique V = vertical	2	AA or Ab A = C or P A = O or V
WE; weather conditions CL = clear SC = scattered clouds HC = heavy clouds HA = haze	2	AA; AA = CL, SC, HC, or HA

25X1

PHOTO REFERENCES WORKSHEET
(CONTINUED)

Entry	Character Positions	Format
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\$L\$ (Continued)
IMR: Entries

OT; other conditions affecting photo interpretation SN = snow SH = shadow OL = obliquity SD = semidarkness HD = heavy dust	2	AA; AA = SN, SH, OL, SD, or HD
MD; mode: type of film & extent of stereo coverage	1	A; A = S, W, A, P, C, B, D, F, R, or N
INDC; exploitation indicator	4	AAAA; AAAA = NAC, NOOB, or IDO; left justify; leave unused positions blank
BEST; indicator for evaluation of frame(s) cited in IMR: entries; limited to best or not best	1	* = best blank = not best

TOP SECRET



TOP SECRET