



**NATIONAL PHOTOGRAPHIC  
INTERPRETATION CENTER**

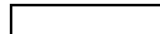
# WORKSHEETS FOR THE INTEGRATED INFORMATION SYSTEM

Declass Review by  
NIMA/DOD

25X1



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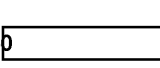
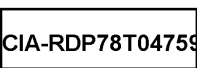


JUNE 1970

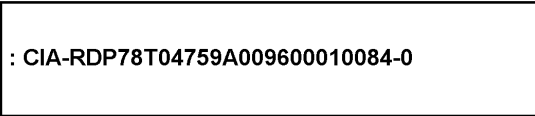
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21 PAGES





WORKSHEETS FOR THE INTEGRATED  
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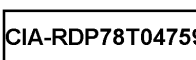
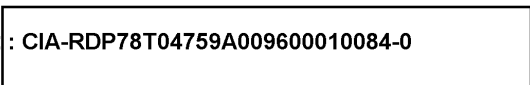


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WORKSHEETS FOR THE INTEGRATED  
INFORMATION SYSTEM

The new worksheets discussed in this publication will be used during the first- and second-phase exploitation of aerial photography. For the most part, the kind of information to be recorded on the new sheets is the same as that being recorded on existing forms. There are five new forms:

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

Photo interpreters will complete the first four; support personnel in the Production Services Group will complete the fifth.

Each worksheet accommodates several types of information on a given target. Each type of information is introduced by three symbols -- a dollar sign, a number or letter, and a second dollar sign. For example:

\$1\$KH1106-1 . . . .  
\$A\$F020-F030 . . . .

The three symbols will be used by the computer when the information on the worksheet is transmitted to the Working File. The information, i.e., the values or entries following these symbols may consist of several characters, an entire line, or several lines. The number of character positions in each value is delimited by dollar signs. For example:

or,                   \$31\$  
                     \$.S.3.1.\$

In both instances the maximum number of characters that can be entered between the dollar signs is three. One or more machine reference numbers (MRNs), which identify a given target record, will appear on all but one worksheet. This number is assigned by the UNIVAC 494 computer system and will never be changed or transferred to another record. On all but one worksheet, some entries are required by the computer system and some are optional. All entries to be recorded on the Mission Highlights Worksheet are required by the computer.

Clerks will transmit all information recorded on worksheets to the Working File. After the information has been verified, edited, and approved by the appropriate NPIC component, it will be stored in the Installations Data File (IDF).

Sample worksheets and instructions for completing each are presented on the following pages. In all the instructions number is abbreviated to N; letter to A; and the word, blank, to lowercase b.

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COMPLETING THE  
BASIC WORKSHEET

The Basic Worksheet pertains to target records stored in the IDF. This form and most of the information on it will be printed by the UNIVAC 494 computer. At present you will enter only one or two values in the first (\$1\$) line and all values in the second (\$A\$) and last (\$D\$) lines. Because only one copy will be printed for the MRN and mission specified in the first line, we recommend that you use a pencil when completing the Basic Worksheet so that erasures may be made if necessary.

You may also elect to add this information to a Basic Worksheet:

- \* a complete or incomplete description of target status, activity, and changes
- \* a description of the security and defense facilities observed at a given target
- \* any informal notes you wish to retain

If you choose to include some or all of this data, write the information on a blank sheet of paper. Each description and all notes must be introduced by the symbols shown on the sample continuation page for the Basic Worksheet. Insert the appropriate MRN in the upper right corner of the continuation page.

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

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

\$1\$ (Continued)

<p>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</p>	1	A; A = C or F
	\$A\$	
<p>WP; WWIPR part; required by computer; enter value</p>	1	A; A = A-Z
<p>AR; area designator</p>	1	N; N = 1 through 7
<p>P/F; best pass &amp; frame to be specified in WWIPR; required by computer</p>	8	<p>Satellite photography            Positions 1-4: NNNA = pass            Positions 5-8: FNNN = camera/frame            ANNN = camera/frame            XNNN = 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</p>
<p>URG; x-y coordinates of target; required by computer</p>	6	<p>NNN = x coordinate            NNN = y coordinate</p>
<p>QU; quality of interpretability: E, G, F, or P; required by computer</p>	1	A; A = E, G, F, or P
<p>CV; extent &amp; angle of coverage            P = partial coverage            C = complete coverage            O = oblique angle            V = vertical</p>	2	<p>AA or Ab            A = C or P; required by computer            A = O or V; optional</p>



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CONTINUATION PAGE  
FOR BASIC WORKSHEET

WORKING PAPER

MRN \_\_\_\_\_  
PAGE \_\_\_\_ OF \_\_\_\_ PAGES

\$G\$DES: Enter a complete redescription of target status, activity, and/or changes.

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or

\$G\$RMK: Enter incomplete description of target status, activity, and/or changes.

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\$H\$DFC: Enter a description of the security and defense facilities relating to the target.

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\$J\$ Enter any informal notes you wish to retain.

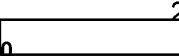
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Entry	Character Positions	Format
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\$A\$ (Continued)

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

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

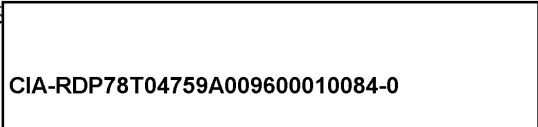
\$D\$

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
---	----	--

COMPLETING THE NEW TARGET WORKSHEET

On the New Target Worksheet character positions for each entry (value) are delimited by dollar signs; the space between each dot will accommodate one letter, number, or symbol. For example, to record the date, 25 December 1970, write

\$.7.0.1.2.2.5.\$



MRN

TOP SECRET [redacted]  
(When Filled)

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NEW TARGET WORKSHEET

DATA ENTRY INTERPRETER VERIFIER VALIDATED

\$3\$	NPIC NO	BE	IDHS	NAME OF TARGET				COUN		
.....	.....	.....	.....	.....	.....	.....	.....	.....		
	N	E	NCAT	COMP	MIL	NTP				
.....	.....	.....	.....	.....	.....	.....	.....	.....		
\$1\$	PH	MISSION DESIGNATOR	START DATE							
.....	.....	.....	.....							
	W	A	PASS/FRAME	URG	Q	C	W	O	M	
	P	R			U	V	E	T	D	
\$A\$	.....	.....	.....	.....	.....	.....	.....	.....	.....	
	FRAME DATE	PASS	CAMERA/FRAME OR INDEX	X-Y	STEREO FRAME	Q	C	W	O	M
\$B\$	IMR:	.....	.....	.....	.....	U	V	E	T	D
	.....	.....	.....	.....	.....	.....	.....	.....	.....	BEST
\$I\$	UTM:	.....	.....	.....	.....	.....	.....	.....	.....	.....
	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	WAGC:	.....	.....	.....	.....	.....	.....	.....	.....	.....
	IDC:	.....	.....	.....	.....	.....	.....	.....	.....	.....
	MPR:	.....	.....	.....	.....	.....	.....	.....	.....	.....
	ELEV:	.....	.....	.....	.....	.....	.....	.....	.....	.....
	STATUS	TRINOME								
\$D\$	STA:	.....	.....	.....	.....	.....	.....	.....	.....	.....
\$G\$	DES:	.....	.....	.....	.....	.....	.....	.....	.....	.....

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TOP SECRET

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The MRN for the new record will be entered by the clerk who transmits the information to the Working File. In line 3 (introduced by \$1\$), the first two characters in the MISSION DESIGNATOR comprise an abbreviation for a collection system or for a mission nickname. A list of these abbreviations appears at the end of this publication.

If you need additional space for the description of a new target (after the symbols \$G\$DES:), simply continue your writeup on a blank piece of paper. If you wish, you may also include these items on the continuation page:

\$H\$DFC: -- description of security  
and defense facilities  
observed

\$J\$ -- any notes you may wish to  
record; although these notes  
are only for your personal use  
and will not become part of the  
approved IDF, other users of this  
file can retrieve your notes by  
using an appropriate query lan-  
guage; you should keep this in  
mind whenever you elect to enter  
such notes to the file.

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 coordi- nates; required by computer	15	

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

\$3\$ (Continued)

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

\$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 mission nickname  
Positions 3-8: mission & bucket numbers

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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

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

\$\$ (Continued)

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 station; 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 = 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

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

\$\$  
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
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 <div style="border: 1px solid black; width: 200px; height: 30px; margin-top: 5px;"></div>
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 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
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

25X1

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

\$B\$  
IMR: Lines (Continued)

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

BEST; indicator for evaluation of frame(s) cited in IMR: entries; limited to best or not best 1 \* = best  
Blank = not best

\$I\$

UTM;; UTM Grid coordinates of target 15 NNAAAANNNNNNNNNN

WAGC; World Area Grid code 10 NNNNNNNNAN

IDC;; imagery-derived geocoordinates; required by computer 15 NNNNNNANNNNNNNA

MPR;; map references for target; required by computer 30 Alphanumeric

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

\$D\$

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

\$G\$

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



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WORKSHEET FOR  
ORDER OF BATTLE & ASSOCIATED OBJECTS

MRN \_\_\_\_\_  
PAGE \_\_\_\_ OF \_\_\_\_ PAGES

TYPE	FRAME DATE	COUNT	VALIDITY	NAME OF OBJECT (24)
\$. . . . . \$	. . . . .	. . . . .	. . . . .	. . . . . \$
TEXT (OPTIONAL)				

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COMPLETING THE WORKSHEET FOR ORDER  
OF BATTLE & ASSOCIATED OBJECTS

Submit this worksheet with a Basic or New Target Worksheet.

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

TOP SECRET [ ]  
(When Filled In)

WORKING PAPER

MISSION HIGHLIGHTS  
WORKSHEET

PAGE \_\_\_ OF \_\_\_ PAGES

(Repeat \$4\$ entry for each new paragraph)

MRN	PH	MISSION DESIGNATOR	DATE OF TEXT
\$1\$000001\$.	.\$.	.\$.	.\$.

TEXT OF HIGHLIGHTS

\$4\$

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COMPLETING THE MISSION  
HIGHLIGHTS WORKSHEET

In the MISSION DESIGNATOR the first two characters will be an abbreviation for a collection system or for a mission nickname. A list of these abbreviations appears at the end of this publication.

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

COMPLETING THE PHOTO  
REFERENCES WORKSHEET

The Photo References Worksheet and most of the information on it will be printed by the UNIVAC 494 computer system. For each target listed on this sheet the computer will print select header data (first line) and the predicted photo references for the mission and phase cited in line \$2\$ at the top of the worksheet. You will enter the actual photo references (IMR: entries) after the symbols \$L\$. For example, to record the value for a pass write the value between the appropriate dollar signs:

\$031A\$

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Because only one copy of this worksheet will be printed for the mission and phase specified at the top of the page, we recommend that you use a pencil when completing this form.

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

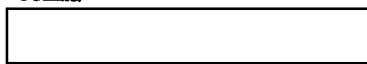
4

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



Example: \$F014-018,F020\$

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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



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

\$L\$

IMR: Entries (Continued)

OT; other conditions affecting photo interpretation 2 AA; AA = SN, SH, OL, SD, or HD  
 SN = snow  
 SH = shadow  
 OL = obliquity  
 SD = semidarkness  
 HD = heavy dust

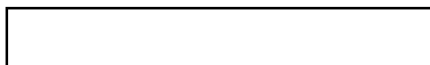
MD; mode: type of film & extent of stereo coverage 1 A; A = S, W, A, P, C, B, D, F, R, or N

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

ABBREVIATIONS FOR MISSION NICKNAMES AND COLLECTION SYSTEMS

Collection System or Mission Nickname      Abbreviation

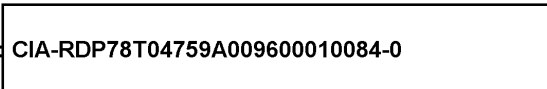
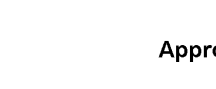


BUMPY ACTION BO  
 (China)  
 BUMPY ACTION BO  
 (N. Vietnam)

CHURCH DOOR [redacted] C-



GIANT NAIL GA  
 GIANT SCALE GS  
 OLD HEAD OH  
 TALENT-KEYHOLE KH



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