Intelligence

MISSION SUPPORT IMAGERY

This regulation establishes procedures for production, use and handling of target, aimpoint, and related imagery.

1. GENERAL:

a. Photography of targets, launch point fixes (LPF), offset aim points (OAP), post strike areas (P-S-A), or other areas of operational interest can be made available to operational units, crews, and planners. This mission support imagery is classified SECRET, produced by 544 TMS, and made available on a strict need to know basis. The acronym "STIM" was previously used to refer to this class of imagery. This program is managed by HQ SAC/INTM.

b. Mission support imagery (Target Area, Damage Assessment, Strike (DA/S), Launch Point, Offset Aimpoint, P-S-A, Contingency) is used for evaluation of Parent Numbered Air Force (PNAF) catalog plots, OAP selection, radar prediction and validation, or as otherwise required and authorized for Single Integrated Operational Plan (SIOP), Non-SIOP Operation (NSO), and contingency preparation. Questions concerning authorized use of such imagery will be directed to PNAF INT for subsequent forwarding, with PNAF comments, to HQ SAC/INTM.

2. TITLING:

a. Each piece of mission support imagery will contain 544 TMS identification number and copy number (Target Area imagery frame/copy number, Intelligence Cutoff Date (ICOD). OAP identifier will be the same as PNAF OAP catalog identifier. Examples of EWO support imagery titling are:

(1) Target Area imagery sample titling is:

EXAMPLE ONLY

Reference DGZ	2308 RA/VA/CA
X, Y, coordinates	X14, Y19 (only on frame B)
DATE	0381
ICOD	0882

(2) Titling data for OAP LPF imagery will reflect the TIN DGZ/OAP or LPF number.

DGZ	2308RA
OAP	264-03-55
DGZ and OAP(s)	2308RA/163-05-05
2 DGZ(s) and OAP(s)	2308RS/SA/163-05-06, 09
LPF	3JH
DATE	0381
ICOD	0882

(3) Titling for P-S-A imagery is:

Area name	MISAWA
Country Code	JA
Coordinates	40°42'N-141°22'E (degrees and minutes only)
Elevation	119'
DATE	0381
ICOD	0882

(4) All imagery will include appropriate classification and handling information in accordance with DOD 5200.1R AFR 205-1, as supplemented, and DIAM 56-1.

3. DISTRIBUTION, SPECIFICATION, AND ORDERING PROCEDURES:

a. 544 TMS will supply SAC units with mission support imagery in coordination with PNAF/INT and HQ SAC INTM.

b. Mission support imagery will be replaced by 544 TMS upon revision or change to SIOP, NSO, or planned contingency operations upon request from PNAF.

c. Mission support imagery is produced in different formats depending on its intended use. These are: Target Area. Damage Assessment/Strike, LPF OAP, Post Strike Area, and Contingency. Specific formats and distribution procedures are as follows:

(1) TARGET AREA IMAGERY:

(a) Target Area imagery will be provided in a 7 x 13 format positive transparency. Where possible, stereo coverage consisting of three positives with 50% overlap will be provided. Units should handle positives with care. Target Area imagery transparencies should remain in protective sleeves to avoid damage. Target Area imagery may be reproduced for use in combat mission folders and/or study folders.

(b) Target Area imagery will be distributed automatically for all SIOP gravity weapon targets. Units should receive Target Area imagery in sufficient time to be used for offset selection and radar prediction.

(2) DAMAGE ASSESSMENT/STRIKE IMAGERY:

(a) DA/S imagery will be provided in a 9 x 13 inch positive print format at scales of approximately 1:25,000, copy A, and 1:50,000, copy B. All Bomb Wings will receive 4 sets of copy A and 4 sets of copy B for each DA/S Alpha sortie. Follow-on sortie imagery will consist of two sets of copy A and two sets of copy B for all Bomb Wings.

(b) 544 TMS will mark DA/S imagery with inbound courseline and appropriate assessment radii. A solid circle(s) with radius size(s) as extracted from the DA/S summary sheet/SIR list will be centered around the DGZ. Radius size will be portrayed numerically on DA/S imagery on a general purpose block keyed to appropriate assessment radii. Information will be placed near the border so as not to obscure other information.

(c) DA/S imagery for quarterly maintenance SIOP revisions will be distributed automatically for all Damage Assessment/Strike targets.

(d) 544 TMS will provide copy A modified format print with "stabiloed" DGZ and course line depicted, to SAC XOBB for DA/S target selection not later than three weeks after receipt of the DA/S information from 544/DIT.

(e) Imagery for DA/S targets will be filed in the Combat Mission Folder (CMF).

(f) DA/S imagery for the major revision will be distributed to arrive at the units NLT 21 September of each year.

(3) LAUNCH POINT FIX/OFFSET AIMING POINT IMAGERY:

(a) LPF/OAP imagery will be provided in a 9 x 13 inch positive transparency format (6 x 10 inch for FB-111). Where possible, stereo coverage will be provided. Units should handle imagery with care to avoid damage.

(b) LPF and OAP imagery will be produced upon unit request and HQ SAC/INTM approval. Units will forward requests to HQ SAC/INTM with info copies to 544 TMS/TGO and PNAF. Imagery will be shipped to units NLT three weeks from receipt of request by 544 TMS.

(c) PNAF will provide a NAF Master OAP Data Base with updates to 544TMS/TGO.

(4) POST STRIKE AREA IMAGERY:

(a) P-S-A imagery will be produced for units in 8 x 10 print format (6 x 10 for FB-111) at an approximate scale of 1:50,000. 8AF and 15 AF will be provided PSA 7 x 13 positive transparency format consisting of three positive transparencies with 50% overlap. The 7 x13 format will be forwarded to NAFs upon request or automatically upon production of new P-S-A imagery. When possible, the primary runway will be centered and oriented with long side of the print. A north arrow will be portrayed.

(b) 544 TMS will produce and distribute Post Strike Area imagery for all areas as listed in SACR 55-16, volume II, attachment 10. INTM will provide initial distribution instructions to 544 TMS in sufficient time to allow distribution to users by 15 August.

(c) 544 TMS will develop and maintain a P-S-A list to be distributed to units 1 April each year which will indicate current availability and production date of all P-S-A imagery. Only P-S-A imagery numbers with production dates have imagery available. Units may use this list to order additional P-S-A imagery in accordance with paragraph 5.

(5) CONTINGENCY IMAGERY:

(a) Contingency imagery will be produced for aircrew use and distributed to support contingency operations upon request. ADVON and forward operating locations may request Contingency imagery through HQ SAC/INTM. Imagery may be reproduced from the Point Positioning Data Base (PPDB) if an Analytical Photogrammetric Positioning System (APPS) is deployed and suspenses preclude forwarding requests to HQ SAC/INTM. 544 TMS/TGO production will be in accordance with HQ SAC/IN Operating Instruction 200-24.

(b) Other imagery will be provided on 9 x 13 inch paper prints centered as much as possible on the requested point. Special size or scale prints can be provided on any point upon special request with brief justification. The center point should be identified by Series 200 WAC/Sheet number and coordinates if data required in paragraph 5 cannot be provided.

4. MARKINGS, ANNOTATIONS, FORMS:

a. Mutilation of Mission Support Imagery is prohibited. The only alterations authorized are mission essential changes, additions, or deletions to the target, OAP or LPF portion of the titling data. Units may annotate and change Target Area Imagery sortie titling information and classification. The identification and copy number of 544 TMS produced imagery will not be changed or obliterated. Unit reproduced imagery not place in CMF will contain all classification markings of original imagery and will be destroyed in accordance with instructions for original. Imagery marked "NO REPRODUCTION" will not be reproduced.

b. Target Area, LPF or OAP Imagery positives will be enclosed in a protective overlay or sleeve before any unit annotations are made.

(1) All markings, annotations and attached forms will be made on protective overlay or sleeve.

(2) Units should annotate imagery sleeves with Target, OAP and LPF symbols and number. If multiple targets or offsets are on one piece of material, additional numbering annotations will be used to avoid confusion. Annotations and numbers will correspond to those used on bomb and missile displays.

(3) Target Area, LPF or OAP Imagery reproduced for use in combat mission folders or study folders may be annotated directly on the reproduced copy with any additional information (e.g., BRL, track).

c. DA/S IMAGERY. The only authorized markings on DA/S Imagery are the attachment of SAC Form 645, Identification Label, for filing, and a SAC Form 676, STIM Data (LRA).

d. P-S-A IMAGERY. The only authorized marking on P-S-A Imagery is the attachment of SAC Form 645. Units may annotate PSB Imagery with OAP symbol(s).

e. DO NOT stamp additional classification or handling instructions on imagery unless each frame has two or more targets annotated. It then becomes TOP SECRET.

f. 544 TMS will annotate all Mission Support Imagery with an Intelligence Cutoff Date (ICOD). The ICOD indicates that intelligence data portrayed on the imagery is current as of that date.

5. IMAGERY REQUESTS:

a. Units will forward requests to HQ SAC/INTM with info copies to PNAF/INTM and 544 TMS/TGO. Requests for imagery should be in the following format. Header data for each column must be included as shown in attachments 2 and 3.

(1) Column 1 - Type of Request:

    (a) A - Target imagery.

    (b) B - Post Strike Area (P-S-A) imagery.

    (c) D - DA/S imagery.

    (d) P - OAP imagery.

    (e) S - RFP/LPF imagery.

    (f) C - Contingency.

(2) Column 2 - Unit number.

(3) Column 3 - Sortie number.

(4) Column 4 - Number of copies.

(5) Column 5 - Designator:

    (a) TIN/DGZ, e.g., 02123/AB.

    (b) RFP/LPF, e.g., ABC.

    (c) OAP, e.g., 0267 03 15.

    (d) P-S-A imagery number, e.g., BX12.

    (e) BE#/coordinates, e.g., 088-0123/35° 14' 12"N 091° 08' 35"W.

(6) Column 6 - In-bound heading. Used when ordering DA/S imagery.

(7) Column 7 - Size.

b. Requests for imagery will be UNCLASSIFIED except:

(1) OAP requests will be classified SECRET because of the inclusion of WAC area and sheet numbers.

(2) Any request which includes coordinates, country name, place name, and/or chart reference, along with TIN/DGZ will be classified SECRET.

(3) When coordinates are used to order imagery for new OAPs, RFPs, or LPFS the request will be SECRET.

(4) Any requests that fulfills para (2) above, and includes that information for two or more TIN/DGZs will be classified TOP SECRET.

c. Given the unit/sortie ID, 544 TMS does not need coordinates, country name, place name, or chart reference (except for OAP imagery).

6. SHIPPING INSTRUCTIONS:

a. Imagery will be shipped via any authorized method for transmission of SECRET material specified in DOD 5200.1-R AFR 205-1, as supplemented.

b. Use SAC Form 388 Document Record and Receipt-Bulk Shipment, (inner package). Each imagery copy number will be a separate line entry on SAC Form 388.

7. DESTRUCTION PROCEDURES:

a. Only the P-S-A imagery may be retained past the revision date. Other imagery, including all of the locally made copies and the protective sleeves, will be destroyed within one month after the applicable revision has expired. The P-S-A imagery will be destroyed only when it is superseded by new materials or when a specific P-S-A is no longer assigned to a unit. The NAFs may retain all of the imagery which will be used for analysis.

b. All of the imagery which is in excess of the unit requirements will be destroyed.

c. All of the imagery, except the P-S-A which is a part of the CMF, will be destroyed with the CMF.

d. The destruction of this may be certified on a SAC Form 388, a SAC Form 75, Certificate of CMF Data Change and Destruction, or on an AF Form 145, Certificate of Destruction of Material.

8. CORRESPONDENCE AND COMMUNICATIONS.

Units may communicate directly with HQ SAC/INTM in order to resolve apparent discrepancies.

9. USE OF IMAGERY:

a. For DA/S targets imagery will be filed with the Combat Mission Folder. DA/S Target Imagery consists of two sets of imagery for each DA/S target. One set will be placed in the pilot's strike folder and one set in the radar navigator's strike folder of the CMF. Other imagery may be filed with the CMF. Affix SAC Form 645 to the face of the imagery for identification purposes. Place the form near the border of the material so as not to obscure the originating agency's titling and/or other desired information.

b. P-S-A imagery will be filed with the Combat Mission Folder. P-S-A imagery consists of two copies. One copy will be placed in the pilot's strike folder and one copy in the radar navigator's strike folder behind the Enroute Display.

c. All imagery not included in the CMF will be maintained in an imagery file/folder, filed by sortie/target or TINDGZ sequence. In cases where more than one sortie is on the same piece of imagery, each sortie will be cross referenced.

d. SAC Form 873/873a, Record of CMF Data Change, will be used as a record of active pages in the folder. Changes, additions or deletions to folder contents will be in accordance with established directives.

e. Each file folder will be marked and controlled in accordance with DOD 5200.1R/AFR 205-1 and AFR 205-25.

NOTE 1:   When more than one target is contained in each file folder, that file folder becomes TOP SECRET.

NOTE 2:   When one set of Target Area Imagery has two or more targets annotated on the same piece of imagery, it becomes TOP SECRET.

NOTE 3:   Imagery filed in study folders containing more than one target will have the study folder classified TOP SECRET.

f. PNAFs are authorized to file EWO Support Imagery by either TINDGZ or WAC sheet sort.

g. All units will use imagery to update radar predictions and select/validate OAPs (as appropriate).

OFFICIAL · HEADQUARTERS STRATEGIC AIR COMMAND

B. L. DAVIS
General, USAF
Commander in Chief

WILLIAM O. NATIONS, Colonel, USAF
Director of Administration

5 Atch
1. EWO Support Imagery Production Milestones
2. Sample Classified Imagery Request
3. Sample Unclassified Imagery Request
4. List of SAC FORMS
5. AF Form 175

SUMMARY OF CHANGES
Regulation title was changed. Contingency imagery was added to paragraph 1b, date was add to titling data (2a(1), (2), (3)). Damage Assessment/Strike imagery requirements changed (3c2(a), (c), (e), (f)), Launch Point Fix imagery requirements changed (3c3(a), (b)), Post Strike Area imagery specifications changed (3c4(a)), Contingency imagery requirements changed (3c5(a), (b)), imagery request procedures were modified (5a), correspondence and communications procedures were changed in paragraph 8, Use of Imagery was added (new paragraph 9) and imagery production milestones (attachment 1) were revised.

DISTRIBUTION: X

2 - Andersen
    2 - 43 SW/IN

4 - Barksdale
    2 - 8AF/INT
    2 - 2 BMW/IN

2 - Blytheville
    2 - 97 BMW/IN

2 - Carswell
    2 - 7 BMW/IN

2 - Castle
    2 - 93 BMW/IN

2 - Dyess
    2 - 96 BMW/IN

2 - Ellsworth
    2 - 28 BMW/IN

2 - Fairchild
    2 - 92 BMW/IN

2 - Grand Forks
    2 - 319 BMW/IN

2 - Griffis
    2 - 416 BMW/IN

2 - K. I. Sawyer
    2 - 410 BMW/IN

1 - Loring
    1 - 42 BMW/IN

2 - March
    2 - 15 AF
        1-INTM, 1-INTP

2 - Minot
    2 - 5 BMW/IN

44 - Offutt
    38 - HQ SAC
        1-DAAS
    2 - 544 SIW
        1-DO, 1-DIT
    4 - 544 TMS
        1-TGOMP, 1-TGOME
        2-TGOMD

2 - Pease
    2 - 509 BMW/IN

1 - Plattsburgh
    1 - 380 BMW/IN

2 - Wurtsmith
    2 - 379 BMW/IN

2 - Mather
    2 - 320 BMW/IN

EWO SUPPORT IMAGERY PRODUCTION MILESTONES

DATE	OFFICE	ACTION REQUIRED
01 Feb	544 DIT	Provide Quarterly Maintenance (QM) SIR list to 544 TMS.
15 Feb	544 TMS	Provide QM imagery to users.
18 Feb	544 DIT	Provide QM initial SIR list to 544 TMS (not to include DA S).
01 Apr	544 TMS	Provide list of available coverage of Post Strike Area imagery (P-S-A) to users.
01 May	544 DIT	Provide QM SIR list to 544 TMS.
07 May	544 DIT	Provide SIR list by unit sortie and WAC sheet sort (4 copies each) to 544 TMS (includes DA/S and A. C. F).
15 May	544 TMS	Provide QM imagery to users.
28 May	544 TMS	Provide DA/S target imagery to HQ SAC XOBB from 7 May list.
31 May	544 TMS	Distribute target area imagery for ALPHA sorties to users.
31 May	544/DIT	Provide final SIR list to 544 TMS (4 copies)
01 Jun	544/DIT	Provide NSO Cat 1 list to 544 TMS.
25 Jun	INTMR	Request Post Strike Base (PSB) list from XOXP.
30 Jun	544 TMS	Distribute remaining target area imagery (NON-ALPHA) and NSO target area imagery to users.
01 Jul	INTMR	Provide PSB list to 544 TMS.
22 Jul	544 TMS	Distribute PSA imagery to users.
07 Sep	544 TMS	Distribute DA/S imagery to users.
_____	544 TMS	Produce and distribute OAP LPF special request imagery within 21 days from date of HQ SAC INTMR tasking to 544 TMS TGO.
01 Nov	544 DIT	Provide QM SIR list to 544 TMS.
15 Nov	544 TMS	Distribute QM imagery to users.

SAMPLE CLASSIFIED IMAGERY REQUEST

NO

        15 AF MARCH AFB CA//INT//
        544 TMS OFFUTT AFB NE//TGOMPI//
    INFO   HQ SAC OFFUTT AFB NE//INTM//
SECRET
SUBJECT: UNIT IMAGERY REQUEST (U)

TYPE	UNIT	SORTIE	COPIES	DESIGNATOR	HEADING	SIZE
P	93	01	01	0267 03 15		
P	319	02	02	0267 05 20		
A	320	09	02	09999/AB		
S	320	12 .	01	ABC		LARGE

SAMPLE UNCLASSIFIED IMAGERY REQUEST

NO

15 AF MARCH AFB CA//INT//

544 TMS OFFUTT AFB NE//TGOMPI//

INFO   HQ SAC OFFUTT AFB NE//INTM//

UNCLAS

SUBJECT: UNIT IMAGERY REQUEST

TYPE	UNIT	SORTIE	COPIES	DESIGNATOR	HEADING	SIZE
A	410	01	01	09999/AB		
D	410	03	02	09999/AC	190	
D	416	04	01	09999/AD	260	
S	509	02	01	ABC		LARGE

LIST OF SAC FORMS

1. GENERAL:

a. These instructions apply to Headquarters SAC Intelligence organizations, SAC Numbered Air Forces, 544 Target Materials Squadron, and any other persons or organizations involved in or assisting with CMF or Target Materials construction or production.

b. SAC forms described in this attachment will be issued by Headquarters SAC through DA channels. Unit required SAC forms must be requisitioned in accordance with AFR 7-2. as supplemented.

c. SAC forms that are illustrated in any EWO directive. and are used in or in support of CMFs are authorized local reproduction. Forms that are centrally printed by Headquarters SAC and are available through publications distribution channels are not authorized to be locally reproduced except in an emergency to prevent work stoppage.

d. All entries on data blocks and forms (except SAC Form 873 series) will be typewritten or printed neatly and legibly. Signatures will be in ink.

2. INSTRUCTIONS FOR USE OF FORMS:

a. **SAC Form 75, Certificate of CMF Data Change and Destruction.** SAC Form 75 will be completed in accordance with SACR 55-7, volume II.

b. **SAC Form 388, Document Record and Receipt-Bulk Shipment.** SAC Form 388 may be used for recording shipment and receipt of both classified and unclassified materials. A minimum of three copies are required for each shipment with the originating agency maintaining at least one copy and two copies accompanying the materials. Copies for unclassified materials will be maintained for at least 30 days. This insures adequate time for the originator to determine that the materials were received. This applies to organizations and recipients. Recipients will sign one copy and return it to the originator while maintaining the extra copy for the prescribed 30 days. Copies of SAC Form 388 for classified materials will be retained IAW DOD 5200.1-R AFR 205-1. Completion procedures for this form are self-explanatory.

c. **SAC Form 645, Identification Label.** SAC Form 645 will be used by all users and producers of Mission Support Imagery as a means of identification for this imagery. It will be affixed to all imagery except Wide Area Imagery where its use is optional. Completion procedures are self-explanatory.

d. **SAC Form 676, STIM Data (LRA).** SAC Form 676 is used to identify targets. fixpoints. and offset aiming points located on each piece of Mission Support Imagery. Any number of forms required to record this data may be used. Completion procedures are self-explanatory.

e. **SAC FORM 873 and 873a, Record of CMF Data Change** All entries on the form will be in ink or typed. The first line of the form will be used to record the initial page count, office symbol, and initials of the individual certifying the page count. When a second SAC Form 873 is required. number it page 1a. Retain all the SAC Forms 873, 873a until all imagery listed on the form has been destroyed. This form will be used as a log to indicate all changes. The first column will reflect the date the change is made. The second column will contain the change number. The third column will contain the office symbol of the agency making the change. The fourth column will contain a brief description of the change. A fifth column will contain the initials of the individual making the change. The sixth and seventh columns will only have entries for the page numbers added or deleted. Total page count in column eight will be entered for each line entry.

Annotations on form "CERTIFICATE OF CHF DATA CHANGE AND DESTRUCTION":

- Must be approved and signed before change is made to CHF. If used to control changes to materials other than CHFs, such as ISS, UHB, STIN folders, OTFs, etc., Executive Manager approval is not necessary.
- Date this form is initiated
- Consecutive change number
- Consult Chart 1-1 and 1-3 for suspense dates.
- Brief, unclassified reason for this change.
- Unclassified description of change.
- Abbreviated action symbol, R&R-Remove and Replace, Add, Delete, Remove, etc.
- Abbreviated location, P-OPS, RM-GP, etc.
- Office symbol of agency responsible for making change.
- Total number of this line item being entered and removed.
- Initials of individual making change. He/She should be assigned to the agency indicated and this individual will also make an entry on the applicable RECORD OF CHF DATA CHANGE (SACF 871/871a).
- Omit this section for composite changes.
- Normally only one OPR for composite changes.
- Each OPR will turn removed materials over to the TOCD. After all change action is complete, involving multiple OPRs, a TOCD representative completes this block based upon each OPR's initials in Section I and the possession of all removed materials. Each OPR is still responsible for the accuracy of their work. For composite changes, the OPR identified in Section II will complete this section.
- Omit this section for single CHF changes.
- Total entered and removed for all affected sorties.
- Enter only those sorties affected by the change.
- Individual making change will initial applicable block.

AGENCY/INDIVIDUAL RESPONSIBLE FOR COMPLETING
- 1 Agency initiating change
- 2 Executive Manager
- 3 Agency controlling change numbers
- 4 Individual making change
- 5 TOCD representative