

Army Topography
CLIMATIC, HYDROLOGICAL, AND TOPOGRAPHIC SERVICES

History. This regulation supersedes Fort Hood Supplement 1 to AR 115-11, dated 26 September 1995.

Applicability. This regulation applies to all organizations assigned to III Corps and Fort Hood, and potential users of the Mapping, Charting and Geodesy (MC&G) Program.

Summary. This regulation sets policy and procedure for the III Corps and Fort Hood MC&G Program, and outlines staff responsibilities for

MC&G product requirements, procedures, map stockage, and distribution.

Supplementation. Local supplementation of this regulation is prohibited unless approved by the III Corps Engineer.

Suggested improvements. The proponent for this regulation is the III Corps Engineer. Send comments and suggested improvements to Commander, III Corps and Fort Hood, ATTN: AFZF-EN-TOPO, Fort Hood, Texas 76544-5019.

FOR THE COMMANDER:

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Chief of Staff



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OVERVIEW

1

Purpose

This regulation:

- Sets and defines policies, procedures, and responsibilities of III Corps and Fort Hood, and subordinate and supported units for:
 - Mapping, charting, and geodesy (MC&G) product requirements.
 - Topographic support.
 - Requesting topographic products and services.
 - Map stockage, allowance, and distribution.
- Amplifies
 - AR 115-11 (Army Topography).
 - FORSCOM Supplement 1 to AR 115-11 (Climatic, Hydrological, and Topographic Services).
- Is a ready reference for use by III Corps and Fort Hood agencies at all levels of command.

If a conflict exists between guidance contained in this regulation and a DA publication, follow DA policy.

1a

References

Appendix A lists required and related references.

1b

Abbreviations and Terms

The glossary explains abbreviations and terms.

1c

RESPONSIBILITIES

2

Commander III Corps and Fort Hood

The Commander, III Corps and Fort Hood, will designate topographic products that controlled critical items (CCI) based upon the recommendation of the III Corps Engineer, determined by:

(continued on next page)

**Commander,
III Corps and
Fort Hood
(continued)**

- The availability of topographic products from the production source.
- Standard maps produced by the National Imagery and Mapping Agency (NIMA).
- Special products from engineer elements.

2a**ACofS,
G2**

The ACofS, G2 will:

- Coordinate with the ACofS, G3, and the III Corps Engineer 120 days in advance to determine:
 - Area of coverage.
 - Product requirements.
 - Priorities to support III Corps plans, operations, contingencies, and operations.
- Coordinate with the III Corps Engineer to establish policy and planning guidance for integration of terrain analysis data into III Corps combat requirements.
- Provide support to the III Corps Engineer in the production of topographic product using all pertinent source materials.
- Assist in the acquisition of aerial photography and remote sensed imagery of secure databases.
- Coordinate taskings that support war plans and Intelligence Preparation of the Battlefield (IPB) with the III Corps Engineer.
- The Terrain Platoon of the 555th EN Co (TOPO):
 - Is authorized four, five-soldier squads for general support to Corps units.
 - Is tasked by the III Corps Engineer, who tracks and prioritizes Corps capabilities and requirements.
- Distribute terrain analysis products to subordinate intelligence units.

2b

**ACofS, G3
War Plans**

The ACofS, G3 War Plans Division will coordinate with the III Corps Engineer and the ACofS, G2, to determine the area of coverage, product types, and scales to support III Corps operations, plans, and training exercises.

2c

**ACofS, G3
Exercise
Division**

The ACofS, G3 Exercise Division will:

- Coordinate with the III Corps Engineer to determine the exercise participants and product requirements for each exercise directive.
- Coordinate at least 150 days in advance of the exercise directive to allow enough time to obtain maps from supply channels.

2d

**ACofS, G3
Tasking
Division**

The ACofS, G3, Tasking Division, will coordinate with the III Corps Engineer for taskings from FORSCOM involving topographic production, geodetic survey, or terrain analysis assets.

2e

**III Corps
Engineer**

The III Corps Engineer will:

- Be the III Corps proponent for topography, terrain, and geodetic survey.
- Coordinate with the ACofS, G2 and ACofS, G3 to develop topographic force structure, area of coverage, and product requirements for contingencies, (OPLANs or CONPLANs) and operational stockage plans for topographic products.
- Recommend III Corps policy on MC&G and planning documents applicable to ILANs, Operational Orders (OPORDs) and exercise directives.
- Review and evaluate corps topographic unit capability to provide topographic products in support of III Corps missions.
- Conduct liaison and coordinate topographic actions with subordinate, adjacent, and higher headquarters.

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**III Corps
Engineer
(continued)**

- Coordinate with the Directorate of Public Works (DPW), ACofS G2, G3, and G4, and 13th COSCOM to establish requirements to procure or produce topographic products that are required for units training on Fort Hood, Fort Irwin, or other CONUS installations tasked by FORSCOM for which special products may be produced.
- Task the 555th EN Co (TOPO) with topographic missions to include terrain analysis, production, and geodetic survey.
- Review and approve supplementation to Fort Hood Regulation 115-11.
- Prioritize MC&G requirements and taskings with G2/G3 coordination to include requests for:
 - Topographic production.
 - Geodetic survey.
 - Terrain analysis.
- Hold weekly planning meetings to coordinate topographic and terrain analysis missions with the 555th EN Co (TOPO).

2f

ACofS, G1

The ACofS G1 will:

- Coordinate with Corps Adjutant General (AG) to ensure personnel with required topographic military occupational specialties (MOSs) are assigned to topographic units.
- Coordinate with the Corps AG to ensure requirements for topographic personnel to fill critically sensitive positions are coordinated with DA, including personnel for Special Compartmented Information (SCI) validated positions.

2g

**Major
Subordinate
Commands
(MSCs)**

MSCs will:

- Develop supplemental guidance to ensure adequate identification and consideration of topographic requirements are made during appropriate phases of operations and training exercises.

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**Major
Subordinate
Commands
(MSCs)
(continued)**

-
- Ensure units on a Time Phased Force Deployment List (TPFDL), in support of an approved OPLAN or CONPLAN, will:
 - Procure and maintain a unit basic load (UBL) of maps.
 - Establish a map stockage plan with their respective S2/G2 and S4/G4; for battalions, separate companies, detachments, and above.

 - Establish an internal map distribution policy for subordinate units which should identify procedures for requesting topographic products and designate a MSC or tenant point of contact (POC) for topographic issues.
 - OICs for validation of unit map requisitions are S2/G2s for battalions and above and commanders of separate companies and detachments.

 - Consolidate new topographic requirements annually, and submit to the III Corps Engineer, which
 - List area of coverage, map scale required, quantity, and justification.
 - Is due to the III Corps Engineer by 1 March of each year.

 - Commanders will further ensure UBLs of MC&G products are:
 - Inventoried at least annually for completeness and accuracy.
 - Packaged and stored separately from other MC&G products in the unit.
 - Carried and inspected by units on readiness tests, alerts, and to the annual training site for Reserve Component units.
 - Allocated space for topographic products in unit deployment load plans.

Requisitions must be validated (approved) by battalion S-2s or above following the instructions in paragraph 4c of this regulation.

Procedures for requesting for special topographic products, overlays, terrain analysis, and classified products are in paragraph 4 of this regulation.

2h

**III Corps
Staff**

III Corps Staff Sections will:

- Consolidate new topographic requirements annually for submission to III Corps Engineer ATTN: AFZF-EN- TOPO, NLT 1 March, which will validate map requirements throughout the year.
- Submit requisitions for topographic products required to support planning, exercises, and operations 120 days in advance of the required delivery date.
- Submit requests for special topographic products to the III Corps Engineer 120 days in advance for validation and tasking to the 555th EN Co (TOPO) and other topographic units per paragraph 4.
- The III Corps Engineer validates all requests for new digital data to support area requirements to include maps, imagery, and other products from NIMA.
- Justify new area requirements by:
 - OPLANs.
 - CONPLANs.
 - OPORDs.
 - Exercise directives.
 - Training.
 - Military operations.
- The III Corps Engineer will validate and approve all general or direct support production requests to include general support terrain projects.

2i

**Directorate
of Logistics
(DOL)**

The DOL will:

- Provide direct support (DS) and general support (GS) to III Corps topographic units to include the Division Terrain Detachments and the 555th EN Co (TOPO).
- Coordinate depot-level maintenance support or contract from commercial sources for parts and repairs not available through Army supply and maintenance.

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**Directorate
of Logistics
(DOL)
(continued)**

- Plan for and provide back up for the continuity of the installation GS map supply mission and depot operation including map requisition, receipt, storage, and distribution from the 289th GS Supply Co when deployed and otherwise not available.

2j

**555th
Engineer
Company
(TOPO)**

The 555th EN Co (TOPO) will:

- Provide accurate terrain analysis, geodetic survey, and topographic support through the III Corps Engineer.
- Report MC&G activities using the format supplied in Figure M-1, routing as specified on the sample SITREP, NLT the 15th day of each month according to FORSCOM Supplement 1 to AR 115-11, Appendix E.
- Provide GS to III Corps.
- Report database inventory, including survey, production, and terrain analysis materials, through the III Corps Engineer, to FORSCOM annually or as requested.
- Maintain at least a 10-day supply of all materials needed for topographic production, geodetic survey, and terrain analysis:
 - Manage, inventory monthly, and reorder as required to maintain a continuous 60-day UBL, computed based on maximum production capabilities, not current production rates and schedules.
 - Rotate to scheduled production to prevent shelf life expiration; resupply against current projects rotated in.
 - Incorporate into load plans for deployments and inspect during readiness exercises or as announced by the Corps Engineer.
- Maintain close coordination with DOL for repairs of topographic specific equipment, i.e. presses, plate makers, camera vans, diazo machines, etc., and advise the III Corps Engineer of deficiencies that affect production, via the monthly FORSCOM TOPOSITREP.

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**555th
Engineer
Company
(TOPO)
(continued)**

- Archive terrain information in a Terrain Analysis Information Database (TAIDB).
- Provide a quarterly consolidated listing of terrain information by Area of Interest (AOI) .
 - Provide the consolidated listing to other units who have the same AOI and through the III Corps Engineer to the 132nd En Det (P&C).
 - Ensure copies are reproducible.

2k

**Division
Terrain
Detachments**

Archive terrain information in a TAIDB, and maintain a quarterly consolidated listing on terrain information by AOI.

Ensure copies are reproducible.

2l

**13th
COSCOM**

The 13th COSCOM will:

- Provide sufficient facilities to operate a Corps Map Depot.
- Provide oversight to ensure that sufficient maps are stocked to support III Corps and Fort Hood training, operations, planning, and contingencies based on input from unit S2/G2s and S4/G4s and historical demand.
- Ensure that the map depot provides timely support for exercises.
- Continue to monitor and assist in the transition of maps into the Army supply system.
- Plan and provide backup to continuously operate the map depot in the event 289th QM Co. deploys or is otherwise unavailable.
- Coordinate map requisition flow with division main support battalions when Standard Army Retail Supply System-Objective (SARSS-O) is fielded in III Corps.

2m

**4th Corps
Materiel
Management
Center**

Upon implementation of maps into SARSS-O, the 4th CMMC will:

- Provide integrated supply management for maps that are available in the Army Supply System (see Appendix I).
- Perform non-time sensitive supply functions under SARSS2AC/B per commander's guidance to SARSS.
- Maintain document history files, corps catalog files, and track demand analysis for maps.
- Until full implementation of maps into SARSS-O is complete, provide technical assistance to the Installation Map Depot in proper accounting procedures and inventory control.

2n

**64th Corps
Support Group**

The 64th CSG will:

- Command and control special troops battalion (STB) and provide oversight to ensure maps are stocked to support III Corps and Fort Hood training, operations, planning, and contingencies based on historical demand.
- Monitor and assist in the transition of maps into SARSS.
- Oversee the provision of continuous Fort Hood Installation Map Depot operations in the event that the 289th QM Co assets deploy or are otherwise unavailable.
- Is the primary direct support (DS) for III Corps topographic units, including the 555th EN Co (TOPO).
- Coordinate map requisition flow with 13th COSCOM and DISCOMs for fielding of the SARSS-O in III Corps.
- If required, develop a map stockage plan.
- Identify units (the S2/G2 and S4/G4) on the TPFDL of current III Corps OPLANS.

2o

**Special
Troops
Battalion
(STB)**

The STB will:

- Maintain the Fort Hood Map Depot for storage and distribution of operational, planning, and training stocks of standard NIMA maps and digital products.
- Maintain inventory control of all types of stocks and impose restrictions on the issue of CCI.
- Coordinate transition of requisitioning procedures from current practice to the SARSS with 64th CSG, 4th MMC, 13th COSCOM, and divisional main support battalions (MSBs) and field support battalions (FSBs).
- Plan, coordinate, and exercise continuity of the map supply mission in the event that depot personnel deploy or are otherwise unavailable.
- According to AR 115-11 and paragraph 4h of this regulation, plan and exercise procedures for disposal of excess or obsolete maps through the recycling program.
- Accept excess maps returned by units that participate in training exercises and return these items to existing operational stocks.
- If required, develop a map stockage plan.
 - Identify units (the S2/G2 and S4/G4) on the TPFDL of current III Corps OPLANS.

2p

**National
Imagery
and Mapping
Agency
(NIMA)**

The III Corps technical representative for NIMA facilitates the exchange of policy and procedure; planning, programming, and budgeting; requirements management; and other activities of common interest.

- Paragraph 4b lists technical representative POCs.

2q

Mapping, Charting, and Geodesy (MC&G) SUPPORT

3

Topographic Support

III Corps and Fort Hood units plan, train, and execute combat operations using standard maps available from the NIMA.

- Units may use nonstandard products (image maps, special maps, or USGS maps, etc.) for operations.
- The III Corps Engineer can assist units in determining what non-standard topographic products are available.
- The 555th EN Co (TOPO) can overprint standard topographic products at different scales.
- Only maps and charts needed to support III Corps and Fort Hood missions may be produced unless validated by the III Corps Engineer *and* approved by FORSCOM.
- The 555th EN Co (TOPO) will provide:
 - Terrain information, map overlays, and imagery based terrain analyses tailored to situations, or to support specific functions of supported units.
 - Expedient maps or map substitutes in the absence of standard products from NIMA.
 - Expedient map updates and overprints.
 - Point positioning and related data services.
 - Third order topographic survey to support artillery, communications, and Army aviation.
- The 555th EN Co (TOPO) is not authorized by AR 25-30 (The Army Integrated Printing and Publishing Program) to produce telephone charts, graphic training aids, stationary, programs, or related items.
 - The DOIM Printing Liaison office supports reprographic requirements in the interest of official business.

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Topographic Support (continued)

- Send requests for topographic support new products from units or agencies not on Fort Hood and without organic topographic capabilities through command channels to Commander, III Corps and Fort Hood, ATTN: AFZF-EN-TOPO, Fort Hood, TX 76544-5019.
- Requests that III Corps assets cannot accomplish are referred to FORSCOM as out-of-cycle requirements.

3a

Division Terrain Detachments

Divisional Terrain Detachments are attached to each division for DS terrain analysis and work under the supervision of the Division Engineer Brigade or the Division G-2.

3b

Fort Hood Map Depot

The Fort Hood Map Depot (289th QM Co) will:

- Provide map stockage and distribution to support III Corps and Fort Hood units and valid requesters not on the installation map depot.
- Maintain operational and training stocks.
- If required, implement a map stockage plan.
 - Identify units (the S2/G2 and S4/G4) on the TPFDL of current III Corps OPLANS.

3c

Topographic Programs

Surveyors from the 555th EN Co (TOPO) are tasked by FORSCOM to support the United States Army Aeronautical Services Office (USAASO) by performing Army airfield safety surveys.

- Surveys are:
 - Paid by the airfield installation.
 - Controlled by the USAASO.
- POC for this mission is the III Corps Engineer.

3d

**Fort Hood
Training
Maps**

The 555th EN Co (TOPO) overprints standard NIMA 1:50,000 scale maps of the Fort Hood area with new training area information and endangered species habitat areas.

- The III Corps G-3 Range Control and the DPW, Environmental Management Offices provide overprint information.
- Units use these maps for planning and controlling military training on Fort Hood and general issue to troops as a tactical map.

3e**NIMA
Maps**

Table H-1 lists NIMA catalogs.

A NIMA publication, NIMA Portfolio, (stock number PSERVPORTFOLIO, NSN 7643- 01-445-9105) is available from the DLA Depot, Richmond, VA.

- This publication describes many NIMA products, both hardcopy and digital, and explains other services provided by NIMA.
- Order through supply channels, just like a map.

Map requirements for MSCs:

- Map requirements and issue plans are:
 - Determined by the MSC staff.
 - Validated by the G2.
 - Submitted to the Fort Hood Installation Map Depot using a FHT Form 115-X7 (Fort Hood Map Request).
- Map requirements are consolidated at the MSC level and submitted 120 days before the exercise.

Map requirements for the Corps staff:

- The III Corps Engineer, in conjunction with the Corps staff, determines map coverage requirements for Corps level exercises.
- Each unit is individually responsible for submitting their own quantity requirements to the Fort Hood Map Depot.

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**NIMA
Maps
(continued)**

- As identified under responsibilities in paragraph 2, G3 Plans determines the geographic boundaries of an exercise while G2 Exercise will identify required or authorized participants, and quantities of maps (map sets) are based on individual unit requirements.

3f

**Terrain
Analysis
Requirements**

MSCs requirements are determined by the Division Terrain Detachments, in coordination with the Assistant Division Engineer and G2 to support plans and exercises.

- Corps requirements are determined by the 555th EN Co.'s (TOPO) Terrain Platoon in coordination with the III Corps Engineer, G2 Plans, and other Corps staff personnel to support plans and exercises.
- Requirements are determined at least 120 days in advance and tasked in writing, by the III Corps Engineer, to facilitate planning and terrain production scheduling.

3g

**MC&G
Terms
and
Allowances**

The following MC&G terms and allowances apply to users of this publication

- Basic load of maps, or UBL, is the maximum quantity of maps required to fulfill the mission as defined by the unit S2/G2 and S4/G4, in the unit OPLAN(s) or CONPLAN(s).
- Unless otherwise specified by other MACOM plans, 100 percent of the area of operations/area of responsibility (AO/AOR) is authorized as well as 10 percent planning stock of the required quantity for the area of interest and adjacent areas.
- Operational stocks are maps used for exercises, training (daily), and planning.
- The maximum quantity authorized for operational stock of standard topographic products, including maps for routine training, is equivalent to the UBL, as determined by the unit S2/G2 and S4/G4.

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**MC&G
Terms and
Allowances
(continued)**

- Replenishment.
 - Commanders ensure maps are adequately maintained and that disposal criteria avoids waste.
 - Abuse of map supplies may lead to inadequate map stocks to support the mission and stresses the map procurement and distribution system.
 - Requests to replenish the UBL must be submitted through command channels with a letter of justification signed by the unit commander and validated by the S2/G2 or by the III Corps MC&G Officer for Corps Staff units.

3h

**MC&G
Training**

The Defense Mapping School (DMS) provides training at Fort Belvoir, Virginia, on a variety of MC&G topics, including staff planning product requirements and their uses.

DMS provides training in the following ways:

- MOS training for survey, topographic production, and terrain analysis.
- Schedule mobile training teams (MTTs) to provide the MC&G for the Warrior Course.
- Trains personnel from the intelligence, targeting, operations, and (continued) planning communities with familiarization of the aspects of MC&G that affect mission accomplishment.
- DMS provides officer training for unit MC&G officers.

To schedule an MTT:

- Contact the III Corps Engineer staff MC&G Officer to find out if training is forecasted.
- Contact the DMS Operations Office, Registrar, telephone (703) 805-3213 or DSN 655-3213, for separate scheduling and coordination.

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**MC&G
Training
(continued)**

- Write to the following address, or call for more information

Defense Mapping School
National Imagery and Mapping Agency
5855 21st Street, Suite 101
Fort Belvoir, VA 22060-5921
DSN 655-2557
COMM (703) 805-2557

3i

PROCEDURES

4

**Biennial
Requirements**

III Corps and assigned MSCs will review their OPLANS, CONPLANS, and training requirements biennially or at any significant change to ensure:

- The geographic areas of planned operations or training correspond with the geographic areas of requested UBL or training stocks of topographic products.
- Requested UBL will be adequate for forces to execute plans.
- Topographic units and activities identified to support execution of plans must exist and not have conflicting missions.
- Inventory stocks at least annually with supporting COSCOM, DISCOM, or map depot.

4a

**Authorized
Requisitions**

FORSCOM and III Corps units may not contact NIMA with MC&G requirements.

Contact the III Corps MC&G officer for information concerning NIMA:

Commander III Corps and Fort Hood
AFZF-EN-TOPO
Van Fleet Hall, Bldg. 1001, Rm 232 East
761st Tank Bn Ave.
Fort Hood, Texas 76544-5019
DSN 738-2770 or (254) 288-2770

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Authorized Requisitions (continued)

- III Corps and MSCs will forward new mapping requirements to the III Corps Engineer for validation, consolidation, and submission for approval to:

CDR, FORSCOM,
ATTN: AFIN-OD-132
Fort McPherson, GA 30050-5000.

- Units at battalion level and above and separate detachments and companies are authorized an account with the Fort Hood Map Depot.
- Battalions will consolidate and validate MC&G requisitions from subordinate units for submission to the map depot until maps are fully integrated into the SARSS as a Class II expendable item of supply.

4b

Requesting Standard Products

Use FHT Form 115-X7 to request standard products.

Submit requisitions for topographic products to support UBL, planning, training, and operations to the 289th QM Co., Fort Hood Installation Map Depot (building 3946).

The Fort Hood Installation Map Depot is the requisitioning authority until standard maps are incorporated as a standard class II expendable supply item requisitioned through normal supply channels.

The Map Depot OIC may disapprove map requests that are not signed by the S2/G2 and unit commanders, or if the maps requested are outside of III Corps AOR.

When completing a FHT Form 115-X7:

- Complete unit DODAAC, address, POC, phone number, request date, and required date.
- The required date should be at least 45 days from the request date for medium quantities, and as much as 60-120 days for larger requisitions.

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**Requesting
Standard
Products
(continued)**

- Small requisitions for local, routine use maps should be filled immediately.
- Units must pick up map requisitions promptly or risk losing their maps to other customers 10 working days after notification.
- Select *only one* type of product: standard, MIM, or special.
 - Use additional forms if more than one type of product is needed.
 - Appendix B outlines standard NIMA products.
 - Appendix C lists special products from the 555th EN Co (TOPO).
 - Appendix D lists NIMA produced MIMs.
- Select *only one* type of request
 - Select REPLENISHMENT if the unit is in short supply of map stocks required for operational, training, or planning needs.
 - Replenishment amounts are smaller amounts; units should retain and reuse maps, only needing a partial issue.
 - The map depot may reduce the quantity issued below the amount requested if an item is in short supply or if units are abusing the supply system by requesting frequent replenishments.
- Select *only one* type of stock.
 - Use operational stocks for day-to-day and routine training requirements (land navigation and compass courses, etc., in training areas).
 - Exercise maps issued are dependent upon guidance contained in directives and OPORDs.
 - Planners must consider time requirements to order, receive and distribute maps to participants, especially if an exercise is conducted in a new area and tactical units are involved.
 - The map depot requires at least 120-150 days notice for ordering maps for full-scale exercises.
 - Units may request up to 20 items per map request.
 - Place additional items on a new map request.
 - Fill in the NSN, series, sheet, scale, and quantity of maps requested.

**Requesting
Special
Map
Products**

Get non-standard and special requests from the map depot.

- Use a FHT Form 115-X7 to request special topographic maps.
- Appendix C lists special maps and products produced by the 555th EN Co (TOPO).
- Submit all requests for terrain analysis in writing to the 555th EN Co (TOPO to the III Corps Engineer at least 120 days in advance of the date required.
 - Use formats in appendixes E and F.
- The III Corps Engineer will validate the request, assign a priority, and task the 555th Engineer Company (TOPO) for project completion.
- Appendix C outlines descriptions and types of special topographic products.

4d

**Taskings to
Topographic
Units**

All requests for topographic production, survey, and terrain analysis within III Corps, and outside 1CD and 4ID will go to the III Corps Engineer for tasking the 555th EN Co (TOPO).

Use the sample formats for requesting reproduction, survey, or terrain analysis support in Appendixes G and H.

4e

**Echelons
Above
Corps (EAC)
Topographic
Support**

III Corps Engineer must validate support requirements for echelons above corps before they are sent to FORSCOM.

The 132nd Engineer Detachment (P&C) will assess requirements and task other FORSCOM topographic units for support as required.

There are two EAC topographic battalions, both located at Forts Shaftner and Bragg, respectively:

- 29th Engineer Battalion.
- 30th Engineer Battalion.

4f

***Safeguarding
Topographic
Materials***

Users of topographic materials must protect against misuse or loss.

- Caveats on distribution and handling, although not security classifications, represent oral or written agreements between the United States and cooperating foreign governments.

Follow these protection mechanisms:

- Do not transfer topographic products of foreign areas at scales of 1:250,000 or larger, or that bear caveats limiting distribution to non-DoD activities or persons.
- Account for all NIMA digital data covering foreign areas and not given to unauthorized personnel.
- Secure items in a locked container or facility when not under the supervision of authorized personnel.
- FORSCOM units will protect all classified topographic materials according to their security classification and appropriate security regulations.
- Protect automation equipment according to AR 380-380 (Automation Security).
- Treat NATO classified maps separately from United States classified maps.
 - Ship NATO classified products to an approved NATO registry point for the Reserve Component.

4g

***Recycling
Topographic
Products***

Some topographic products have recoverable economic value.

- Turn in excess maps to the map depot.

Units will participate in the silver recovery program outlined in AR 755-3 (Recovery and Utilization of Precious Metals) by recovering silver from film, film products, and developing chemicals used in the photographic process.

(continued on next page)

**Recycling
Topographic
Products
(continued)**

- Adhere to post procedures to avoid contamination of soils or water by residual chemicals of the photographic or reproduction processes.

Map paper is expensive and durable.

- Make every effort to recycle the paper by printing on both sides or reuse it as scratch pads.
- Use the following paper scrap for note pads, copier paper, or other administrative purposes within DOD:
 - Blank scrap from trimming.
 - Damaged, blank paper.
 - Unclassified maps of United States areas and small-scale (greater than 1:250,00) maps of foreign areas.

4h

**Map
Revisions**

When recommending corrections to standard and non-standard maps:

- Send corrections for non-standard maps produced by the 555th EN Co (TOPO):
 - Through Commander, III Corps and Fort Hood, ATTN: AFZF-EN-TOPO Rm E232, Van Fleet Hall, Bldg 1001, Fort Hood, TX 76544.
 - To Commander, 555th EN Co (TOPO), Bldg 16006, Fort Hood, TX 76544.
- Send corrections for NIMA standard products to:

Director, NIMA
ATTN: COD Mail Stop P-37
4600 Sangamore Road,
Bethesda, Maryland 20816-5003
1-800-455-0899.

4i

**Requesting
USGS
Survey
Maps**

USGS maps are produced for most areas within the continental United States.

Large scale maps (1:100,000 or less) are not produced by NIMA for the entire United States; some duplication does exist in smaller scales between NIMA and USGS.

- USGS maps have the following parameters:
 - Based on the North American Datum 1929 (NAD 29) and the World Geodetic Survey 1984 Datum (WGS 84).
 - Uses geographic coordinates and Universal Transverse Mercator (UTM) coordinates.
 - *Does not* use the Military Grid Reference System (MGRS) for navigation and targeting.
 - Scales are compatible with 1:250,000, 1:100,000, and 1:25,000.
 - Elevation contour lines and intervals the same as NIMA maps

NIMA does not stock USGS products and maps.

- They are available to DoD activities in limited supply.

DoD commands must identify all requirements to their NIMA Liaison Officer for 1:50,000 scale Topographic Line Maps (TLM50) of the United States.

Include the unit DODAAC in the ACCOUNT NO field.

When ordering USGS maps:

Order direct orders for 50 copies or fewer per sheet from:

United States Geological Information Services
Denver Federal Center
Box 25286
Denver, CO 80225-0286
Telephone: (303) 202-4700, 1 (800) HELP-MAP
DSN: 877-9011, Ask for 202-4700
Internet: <http://www.usgs.gov/>

(continued on next page)

**Requesting
USGS
Survey
Maps
(continued)**

Order direct orders for more than 50 copies per sheet from:

Director
NIMA Order Fulfillment Dept.
ATTN: ISDFR, Stop D-17
4600 Sangamore Road
Bethesda, Maryland 20816-5003
(301) 227-2495 or 1-800-826-0342

- Order direct orders for more than 200 copies per sheet from the address above with command approval 90 days prior to the required delivery date.

4j

REPORTING TOPOGRAPHIC ACTIVITIES

5

**Production
Reports**

The 555th EN Co (TOPO) will submit the monthly TOPOSITREP through the III Corps Engineer to Commander, FORSCOM, ATTN: AFIN-OD-132, Fort McPherson, GA 30050-5000, according to FORSCOM Supplement 1 to AR 115-11, Appendix E.

5a

Databases

Corps and division topographic units will maintain a database of products, and provide these datum upon request.

5b

**Appendix A:
References**

**Section I
Required References**

AR 115-11
Army Topography

AR 380-5
Dept of the Army Information Security Program Automation Security

AR 380-380
Supply Policy Below Wholesale Level

AR 710-2
Requisitioning, Receipt, and Issue System

AR 725-50
Army Integrated Publishing and Printing Program

AR 755-3
Recovery and Utilization of Precious Metals

FM 25-30
Topographic Operations FM 5-105

FORSCOM Supplement 1 to AR 115-11
Climatic, Hydrological and Topographic Services FORSCOM

**Section II
Related Reference**

FM10-27
General Supply in a Theater of Operations

FM 21-26
Map Reading and Land Navigation

FM 42-418
General Supply Company, General Support

FM 54-23

Corps Materiel Management Center

FM 63-2

Combat Service Support Operations - Division

FM63-3J

Combat Service Support Operation - Corps

FM 63-20

Forward Support Battalion

FM 63-21

Main Support Battalion

FM 101-10-1

Staff Officers Field Manual: Organizational, Technical, and Logistical Data
(Unclassified)

FM 101-10-2

Staff Officers Field Manual: Organizational, Technical, and Logistical Data Extracts of
Nondivisional Tables of Organization and Equipment (Unclassified)

III Corps and Fort Hood Reg 525-10,

Deployments

III Corps and Fort Hood Reg 525-11,

EDRE (Appendix C)

Section III

Referenced Forms

FHT FORM 115-X7

III Corps and Fort Hood Map Request

Appendix B Standard Products Types and Uses

1. The following is extracted from a publication issued by the National Imagery and Mapping Agency entitled NIMA's Standard Paper Products. It is produced by the Defense Mapping School as a teaching aid for instruction on standard NIMA paper products. Digital products are discussed at length in "Digitizing the Future." The stock number is DDIPDIGITALPAC, and it is available from the NIMA Combat Support Center, ATTN: CCOR, Stop D-17, 6001 MacArthur Blvd, Bethesda, MD 20816-5001.

Global Navigation and Planning Chart (GNC)

Scale: 1:5,000,000

Intended use: GNCs are for extended, high-speed, high altitude, long-range aerospace navigation, such as in transports, tankers, and long-range bombers. General briefings, training, joint exercises, national intelligence, and mission planning are possible uses.

Jet Navigation Chart (JNC)

Scale: 1:2,000,000

Intended use: JNCs are long-range navigation graphics specifically designed to meet requirements of high-speed operations at high altitude (25,000-50,000 feet AGL). Personnel of bombers, tankers, cargo aircraft, and patrol aircraft use JNCs for long-range high altitude flights (usually as a source of filmstrips and cockpit displays). Others use JNCs for special intelligence operations (SIOP) planning, joint exercises, and national intelligence.

Operational Navigation Chart (ONC)

Scale: 1:1,000,000

Intended use: ONCs are the standard worldwide small-scale aeronautical chart series, for use in medium-altitude (2,000-25,000 feet AGL) high-speed flights using visual or radar navigation. Crews of larger aircraft are the usual users. The ONC is the primary chart for pilots who desire worldwide coverage, large scale, and airport area depictions. ONCs are sources of navigational filmstrips, special purpose products, and cockpit and visual display products. Uses also include mission planning and analysis, and intelligence briefings. In the absence of tactical pilotage charts (TPCs), ONCs satisfy enroute visual and radar navigation requirements for low-altitude operations.

Tactical Pilotage Chart (TPC)

Scale: 1:500,000

Intended use: TPCs are designed for very low altitude (<500 feet AGL) through medium altitude (200 feet to 25,000 feet AGL) high-speed flights in tactical operations, using visual and radar navigation. Fighter and attack aircraft pilots, the usual users, cut up the TPCs to make "strip charts." TPCs also are used for mission planning, mission analysis, and intelligence briefings, as well as being used as a source for

navigational filmstrips, special purpose products, and cockpit and visual display products.

Joint Operations Graphic- AIR (JOG-A)

Scale: 1:250,000

Intended use: JOG-A is for tactical support of ground forces by air forces, and also for other aircraft activities including preflight planning, training, intelligence briefings, evacuations, search and rescue, helicopter filmstrips, and low altitude visual navigation. JOG-As are also commonly used by ground forces as a relatively strategic map to compliment their bigger-scaled TLMs (one JOG-A covers the same ground as approximately twenty 1:50,000-scale TLMs). Extensive marginal information exists for ground forces using the JOG-A; pilots usually cut the map into "strip charts" just like they do the TPCs. This chart ties air and ground operations together.

Description: The JOG-A (series 1501A) is part of the "series 1501 charts", which includes JOG (JOG-Ground; series 1501) and JOG-Radar (series 1501-R) types. Series 1401s are the standard DoD medium scale maps, and are produced by many countries to the same product specifications. JOG-As are the standard 1501 therefore including an aeronautical overprint depicting vertical obstructions higher than 200 feet, as well as aerodromes, special-use airspace, navigational aids, and related data. Altitudes (heights) in "feet" (JOG-Grounds use "meters"). World geodetic reference system (WGRS) information is given in the margin. UTM grid is in blue, allowing air-ground interoperability. MGRS grid is not shown but coordinates can easily be plotted to UTM by trained personnel. Aeronautical data is prominent in black.

Evasion Chart (EVC)

Scale: 1:250,000 & 1:500,000

Intended use: The evasion chart assists survival, evasion, and escape of downed air crews. Aircrew members receive the EVC as components of standard survival equipment when missions may take them over hostile or remote land areas. Areas requested are diverse. 1988 is an example: East Germany, Poland, Czechoslovakia, Romania, Iran, Iraq, Syria, Honduras, Costa Rica, Panama, North Korea, and extreme eastern Siberia. EVCs do not replace JOGs for tactical air operations and planning; aeronautical information is not maintained to the same currency required for a JOG-Air.

Section 2: Standard Hydrographic Products

Coastal Chart

Scale: varies (1:150,000 to 1:750,000)

Intended use: NIMA's coastal charts are for shipboard use when on sea surfaces near coasts. These operations included planning, navigation, and military aspects.

Approach Chart

Scale: varies (1:35,000 to 1:150,000)

Intended use: Approach charts are for shipboard use when approaching confined waters near harbors and bays. Information depicted supports planning, navigation, and military operations.

Harbor Chart

Scale: varies (1:10,000 to 1:35,000)

Intended use: Harbor charts are for precise harbor navigation: channel keeping while entering and exiting harbors and bays, maneuvering within harbors and bays, and approaching within harbors and bays to berths and anchorage. Information depicted supports planning, navigation, and military operations.

Combat Chart

Scale: 1:50,000

Intended use: Combat charts are for operations involving both land and sea units. Information depicted supports planning, navigation, military operations; particularly amphibious operations: surface sea navigation, joint operations, mine warfare, and anti submarine warfare (ASW).

Bottom Contour Chart

Scale: varies

Intended use: Bottom contour charts are for navigation of submarine or ship by the bottom contour matching.

Section 3: Standard Topographic Products**World Map**

Scale: varies in the 1:10,000,000s

Intended use: General strategy at higher headquarters levels, and useful at briefings for the press, media, and/or general public.

Briefing Graphic

Scale: varies, in the 1:1,000,000s

Intended use: General strategy at higher headquarters levels, and particularly useful at briefings for press, media, and / or general public.

NIMA Road Map

Scale: 1:100,000

Intended use: At division, corps, and theater level, logistics planners, truck drivers, and movement control officers use NIMA road maps for administrative road movements, logistic planning, and official travel. Analysis of the road network yields valuable information regarding choke points and alternate routes; a general view of the avenues of approach can be gathered.

Landsat Image Map

Scale: varies, usually near 1:100,000 commercial imagery (SPOT) allows for 1:50,000

Intended use: Landsat image maps are for crisis response as quick-response, crisis support, products, when a lack of mapping source materials or time constraints preclude production of standard 1:50,000 TLMs or 1:100,000 TLMs.

Description: LANDSAT image maps are "limited use" interim products produced from multi-spectral imagery (MSI) captured by one or more of the five LANDSAT satellites that have orbited. SPOT (French satellite) imagery can be merged with Landsat imagery for greater resolution (from 30m to 10m ground sample distance). Depending upon crisis response time allowed, Landsat image maps can be overprinted with varying degrees of information normally found on a chart. Orthorectification is not accomplished (this can be done using the MSIP found in division and corps terrain teams). Scale is not constant across the image, but varies by equal amounts, radically outward from the point directly under the satellite when the image was taken. United States Army Terrain Teams now can merge MSI with digitized maps and, using fade in/out of either data layer, depict both the map and imagery simultaneously. This datum may be used for briefings via video display as graphics or printed to paper for planning purposes.

1:100,000 Scale Topographic Line Map (1:100 TLM)

Intended use: Land and air forces use the TLM in support of ground operations: planning, tactical operations, target acquisition, and fire support. Designed for tactical use when greater area coverage than the 1:50,000 TLM is desirable. Used extensively at Division, Corps, Brigade, and Battalion levels, particularly in mechanized and armor units (using open terrain that allows for higher rates of advance and greater mobility). Fire support coordinators use this map for targeting.

1:50,000 Scale Topographic Line Map (1:50 TLM)

Intended use: Land and air forces use the TLM in support of ground operations, particularly at the battalion and company level, for planning, tactical operations, target acquisition (but not targeting), and fire support. This is the main product used and consumed by Army units at all levels. All combat arms units disseminate 1:50,000 TLMs down to the team leader level. Mechanized and light forces use this TLM to navigate cross country. NIMA prefers the 1:100,000 TLM because of greater coverage with fewer map sheets, but the level of detail provided in the 1:50,000 TLM is necessary for the primary user.

1:25,000 Scale Topographic Line Map (1:25 TLM)

Intended Use: Land and air forces use the TLM in support of ground operations: planning, tactical operations, target acquisition, and fire support. 1:25 TLMs are not made for every existing 1:50 TLM. These maps are only found in areas where greater detail is required; for example; the DMZ in Korea, or urban terrain.

City Graphic

Scale: varies (1:5,000 to 1:40,000)

Intended use: City graphics support administrative and tactical planning for, and actual conduct of, ground combat operations in urban areas. City graphics are particularly useful for Military Operations in Urban Terrain (MOUT). City graphics also support Noncombatant Evacuation Operations (NEO) planning and execution (for example, evacuation of United States nationals); NEO packets contain city graphics as a standard item. Units battalion sized and smaller have a greater need hence priority for these products when in short supply.

Appendix C Special Products List

1. Special products are for *planning use only*. Units or agencies should contact the III Corps Engineer for clarification of product uses or if conflicts between planning and operational requirements exist.
2. Table C-1 lists special products available at the Fort Hood Installation Map Depot produced by the 555th Engineer Company (TOPO)(CORPS):

Table C-1. Special Products

| SERIES | SHEET | SCALE | LOCATION |
|---------------|--------------|--------------|----------------------------|
| V682S | 5945 | 100,000 | Fort Mckavett |
| V682S | 5946 | 100,000 | San Angelo South |
| V682S | 5947 | 100,000 | San Angelo North |
| V682S | 6045 | 100,000 | Menard |
| V682S | 6046 | 100,000 | Eden |
| V682S | 6145 | 100,000 | Mason |
| V682S | 6146 | 100,000 | Brady |
| V682S | 6245 | 100,000 | Llano |
| V682S | 6246 | 100,000 | San Saba |
| V682S | 6247 | 100,000 | Brownwood |
| V682S | 6345 | 100,000 | Lake Buchanan |
| V682S | 6346 | 100,000 | Lampassas |
| V682S | 6347 | 100,000 | Hamilton |
| V682S | 6445 | 100,000 | Georgetown |
| V782S | 6446 | 50,000 | Fort Hood Installation Map |
| V682S | 6446 | 100,000 | Fort Hood |
| V782S | 6446 I | 50,000 | Gatesville |
| V695S | Fort Irwin | 100,000 | Fort Irwin Ntc |
| 100,000 | Fort Irwin | 100,000 | Fort Irwin South |
| V695S | Fort Irwin | 100,000 | Fort Irwin North |
| V782S | 6446 II | 50,000 | Killeen |
| V782S | 6446 III | 50,000 | Fort Hood |
| V782S | 6446 IV | 50,000 | Purmela |
| V682S | 6447 | 100,000 | Cliforton |
| V682S | 6844 | 100,000 | Waller |
| V682S | 6845 | 100,000 | Huntsville |
| V682S | 6846 | 100,000 | Centerville |
| V682S | 6847 | 100,000 | Palestine |
| V682S | 6944 | 100,000 | Conroe |

Table C-1. Special Products (continued)

| SERIES | SHEET | SCALE | LOCATION |
|---------------|--------------|--------------|-------------------|
| V682S | 6945 | 100,000 | Trinity |
| V682S | 6946 | 100,000 | Crockett |
| V682S | 6947 | 100,000 | Jacksonville |
| V743S | 3146 II | 50,000 | Camp Shelby 92 |
| V795S | 2654 I | 50,000 | Tiefort Mountains |
| V795S | 2654 II | 50,000 | Alvord Mountain |
| V795S | 2654 III | 50,000 | Lane Mountain |
| V795S | 2654 IV | 50,000 | Goldstone Lake |
| V795S | 2655 II | 50,000 | Leach Lake |
| V795S | 2655 III | 50,000 | Quail Mountains |
| V795S | 2754 III | 50,000 | Cave Mountain |
| V795S | 2754 IV | 50,000 | Red Pass Lake |
| V795S | 2755 III | 50,000 | Avawatz Pass |
| V795S | SPEC 1 | 50,000 | Fort Irwin Spec 1 |
| V795S | SPEC 2 | 50,000 | Fort Irwin Spec 2 |
| V795S | SPEC 3 | 50,000 | Fort Irwin Spec 3 |
| V795S | SPEC 4 | 50,000 | Fort Irwin Spec 4 |
| V795S | SPEC 5 | 50,000 | Fort Irwin Spec 5 |
| V795S | SPEC 6 | 50,000 | Fort Irwin Spec 6 |
| V795S | SPEC 7 | 50,000 | Fort Irwin Spec 7 |
| V795S | SPEC 8 | 50,000 | Fort Irwin Spec 8 |

Table C-2 lists non-standard terrain products which the division and corps terrain platoons routinely produce in support of III Corps plans, operations, and training events:

Table C -2. Non-standard Terrain Products

| Product | Description |
|---------------------------|--|
| LOC Overlays | Depict roads, trails, footpaths, railroads and airstrips; identifies possible existing means of movement with the AO. |
| CCM Overlays | Identifies areas that could impede or slow off-road movement within the AO using the criteria of slope, soils, vegetation and hydrology. CCMs are produced for foot, wheeled, and tracked vehicle movement. |
| COO | Identifies areas that could severely restrict movement of foot, HMMWV and tracked vehicles within an area of operations using the criteria of slope, vegetation, soils, linear obstacles, and rivers >/18 meters wide. |
| Slope tint | An overlay identifying slope categories within an AO. |
| Elevation tint | An overlay identifying elevation layers or intervals within an AO |
| River Crossing Overlays | Shows locations of existing bridges, fords and possible tactical crossing sites |
| Cover Overlays | Shows areas that provide cover from direct and indirect fires; primarily based on slope, elevation and some vegetation data. |
| Concealment Overlays | Shows areas that provide concealment from aerial observation, based on vegetation data. |
| Perspective Views | Three-dimensional views of specific locations within the AO. |
| Oblique Views | Shows a skewed 3-dimensional view of the relief of an AO with some vertical exaggeration |
| LOS Profiles | Shows area of direct observation possible from one location to another; based on DTED. |
| Visible Area Plot | Shows a 360 degree area of direct observation possible from a specific location; based on DTED. |
| Multi-Spectral Image Maps | Maps created from satellite imagery used to determine changes in land use, hydrology, transportation systems and as a general update to outdated topographic line maps. Digital maps (ADRG) can be merged with MSI so that both may be seen at the same time on one product. |

Legend:

CCM – Cross country movement
 COO – Combined obstacle overlay
 DTED – Digital terrain evaluation data
 LOC – Line of communication
 LOS – Line of sight

Appendix D
NIMA Military Installation Map (MIM) List

1. MIMs are for *planning use only*.
2. Table D-1 lists maps that are 1:50,000 scale for CONUS installations only.
3. Table D-2 lists maps that are 1:25,000 scale for CONUS installations only.
4. MIM stock numbers were extracted from NIMA Catalog Part 3 - Topographic Products, Volume 1, Eighth Edition, dated October 1998.

Table D-1. Military Installation Map (MIM) List, 1:50,000 Scale

| LOCATION | STATE | STOCK NUMBER |
|-----------------------|-------|--------------------|
| Fort Greely East | AK | Q701SFORTGREEEMIM |
| Fort Greely West | AK | Q701SFORTGREEWMIM |
| Fort Richardson | AK | Q701SFORICHNMIM |
| Fort Wainwright East | AK | Q701SFORTWAINEMIM |
| Fort Wainwright North | AK | Q701SFORTWAINNMIM |
| Fort Wainwright South | AK | Q701SFORTWAINSMIM |
| Fort Wainwright West | AK | Q701SFORTWAINWMIM |
| Camp Edwards | MA | V714SCPEDWARMIM |
| Fort Devens | MA | V714SFORTDEVENMIM |
| West Point | NY | V721SWESTPT |
| Fort Drum | NY | V721SFORTDRUMMIM |
| Warren Grove Afb | NJ | V722SWARRENGROVE |
| Fort Indiantown Gap | PN | V731SINDIANTMIM |
| Fort AP Hill | VA | V734SFORTAPHILMIM2 |
| Fort Pickett | VA | V734SFORTPICKEMIM |
| Quantico | VA | V734SQUANTICMIM |
| Fort Benning | GA | V745SFORTBENNIMIM |
| Fort Stewart | GA | V745SFORTSTEWAMIM |
| Fort Jackson | SC | V746SFORTJACKSMIM |
| Camp Atterbury | IN | V751SCPATTBYMIM |
| Fort Knox | KY | V753SFORTKNOXSPEC |
| Fort McCoy | WI | V761SFORTMCCOYMIM |
| Camp Graylings North | MI | V762X40731&2 |
| Camp Graylings South | MI | V762X40733&4 |
| Camp Ripley | MN | LV772SCAMPRIIP |
| Fort Carson | CO | V777SFORTCARSONMIM |
| Pinon Canyon | CO | V777SPINONCANYN |
| Fort Riley | KS | V778SFORTTRILEYMIM |

Table D-1. Military Installation Map (MIM) List 1:50,000 Scale (continued)

| LOCATION | STATE | STOCK NUMBER |
|------------------------|-------|--------------------------|
| Fort Leonard Wood | MO | V779SFORTLWOODMIM |
| Red Oscura White Sands | NM | V781SREDOSCURA |
| Fort Bliss North | TX | V782SFORTBLISSNOR |
| Fort Bliss South | TX | V782SFORTBLISSOU |
| Fort Hood | TX | V782SFORTHOODMIM |
| Fort Sill | OK | V783SFORTSILLRM |
| Camp Robinson | AR | V784SCPROBINMIM |
| Fort Chaffee | AR | V784SFORTCHAFFMIM |
| Fort Lewis | WA | V791SFORTLEWISMIM |
| Survival Training Area | WA | V791SSURVTRNG |
| Yakima Firing Center | WA | V791SYAKFIRCEN |
| Camp Roberts | CA | V795SCPROBERMIM |
| Fort Irwin North | CA | V795SFORTIRWINMIM |
| Fort Irwin South | CA | V795SFORTIRWISMIM |
| Fort Ord | CA | V795SFORTORDMIM |
| Camp Hunter Liggett | CA | V795SHTLIGMIM |
| 29 Palms Southeast | CA | V795S29PALMSE |
| 29 Palms Southwest | CA | V795S29PALMSW |
| Casa Grande | AZ | V602SCASAGRAN |
| Fort Huachuca | AZ | V798X38461 V798X38472 |
| Luke Bomb Range East | AZ | V798SLUKERANGEE |
| Luke Bomb Range North | AZ | V798SLUKERANGEN |
| Luke Bomb Range South | AZ | V798SLUKERANGES |

Table D-2. Military Installation Map, 1:25,000 scale for CONUS installations only.

| LOCATION | State | STOCK NUMBER |
|-------------------|-------|-----------------|
| Camp Edwards | MA | V814SCPEDWARD |
| Fort Meade | MD | V833SFORTMEADE |
| Fort Belvoir | VA | V834SFORTBELVOI |
| Air Force Academy | CO | V877SAFACAD |
| Camp Pendleton | CA | V895SCAMPPENDLE |
| Fort Ord | CA | V895SFORTORDVIC |

**Appendix E
Terrain Analysis Support Request**

Figure E-1. Terrain Analysis Support Request

| Office Symbol | Date |
|--|------|
| <p>MEMORANDUM THRU Commander, III Corps and Fort Hood, ATTN: AFZF-EN (TOPO), Fort Hood, TX 76544</p> <p style="text-align: center;">Commander, Headquarters Command, ATTN: AFZF-HC-S3, Fort Hood, TX 76544</p> <p>FOR Commander, 555th Engineer Company (TOPO)(CORPS), ATTN: AFZF-HC-555- EN(Tech Control), Fort Hood, Tx 76544</p> <p>SUBJECT: Corps GS Terrain Platoon Support Request</p> <p>1. Request the Corps terrain platoon produce (<u>see products in Appendix E or state type of product requested</u>) overlay to be completed not later than (<u>must be at least 120 days from date of request</u>) in support of (<u>Title of OPLAN#, CONPLAN or training exercise in general</u>).</p> <p>2. The following information is provided:</p> <ul style="list-style-type: none"> a. Name/Title of Product/Study: Slope Map b. Purpose of Product/Study: OPLAN (Do NOT include number) c. U.S. Command: CENTCOM e. Country: Kuwait f. Classification and Release Data: For Official Use Only g. Scale Required: _____ Date Required: _____ h. Reference Map: <u>Series</u>, <u>Sheet #</u>, <u>Title</u>, <u>Edition</u>. i. Description of Area of Operations in Geographic Coordinates (Degrees, minutes, seconds), UTM (Universal Transverse Mercator) Coordinate, or MGRS (Military Grid Reference System) Coordinates: <ul style="list-style-type: none"> (1) NW Corner _____ NE Corner _____ (2) SW Corner _____ SE Corner _____ | |

sample

Figure E-1. Terrain Analysis Support Request (continued)

Office Symbol _____

SUBJECT: Corps GS Terrain Platoon Support Request

j. Number of Copies Required: _____

k. Probable Obsolescence date of this product/study is: 2001

l. This product will be made available in the future (include approval procedures if required) upon request: () Yes () No

3. Describe in detail what the product must show, eg. for perspective views; vantage point (Observer) coordinates/height and distance/direction/angle (180 degrees), for CCM; type movement wheeled, tracked, foot or vehicle type.

4. Terrain platoon support for divisional units must go through the division terrain detachment for supportability before being forwarded to III Corps assets. Requests should be 120 days in advance of the required date so that the terrain platoon may manage all requirements and deliver quality products.

5. Point of Contact is RANK, NAME, PHONE #.

Sample

SIGNATURE BLOCK
Requesting Unit or Staff

CF
G3 Tasking, III Corps

**Appendix F
Topographic Production or Survey Support Request**

Figure F-1. Topographic Reproduction Support Request (Existing Products)

Section 1: Topographic Reproduction Support Request (Existing Products)

| | |
|---------------|------|
| Office Symbol | Date |
|---------------|------|

MEMORANDUM THRU Commander, III Corps and Fort Hood, ATTN: AFZF-EN
(TOPO), Fort Hood, TX 76544

Commander, Headquarters Command, ATTN: AFZF-HC-S3.
Fort Hood, TX 76544

FOR Commander, 555th Engineer Company (TOPO)(CORPS), ATTN: AFZF-HC-555-
EN(Tech Control), Fort Hood, Tx 76544

SUBJECT: Topographic Reproduction Support Request

1. Request reproduction of Series, Sheet #, Title, Edition produced by 555th En Co (TOPO)(CORPS).
2. PURPOSE: To restock Fort Hood Installation Map Depot, Bldg 3946.
3. Annual consumption of this product is estimated to be Number of Sheets.
4. The Fort Hood Installation Map Depot will require Number of Sheets map sheets produced not later than Required Date to meet demand for the next year.
5. Point of Contact is RANK. NAME. PHONE #.

SIGNATURE BLOCK
CPT. QM, USA
Commanding

CF

G3 Tasking, III Corps

sample

Figure F-2. Topographic Reproduction Support Request (New Products)

Section 2: Topographic Production Support Request (New Products)

sample

Office Symbol Date

MEMORANDUM THRU Commander, III Corps and Fort Hood, ATTN: AFZF-EN (TOPO), Fort Hood, TX 76544

Commander, Headquarters Command, ATTN: AFZF-HC-S3, Fort Hood, TX 76544

FOR Commander, 555th Engineer Company (TOPO)(CORPS), ATTN: AFZF-HC-555-EN(Tech Control), Fort Hood, Tx 76544

SUBJECT: Topographic Production Support Request-New Product

1. PURPOSE: State what the product is to be used for and its duration of use. Short duration products are for support of an exercise with little future value. Long duration use products can be used by many units for current operations and future planning.

2. JUSTIFICATION: Explain why a new product is necessary. Maps are not available from all other sources or available sources may not meet the needs of the unit. The specific needs not being met by available products must be stated.

3. PRODUCT DESCRIPTION: (Requesting unit must be able to come up with these answers)

a. Required Scale: _____ Required Date: _____

b. Product can be in Color or Monochrome (Select one).

c. Geometric Description in Geographic Coordinates (Degrees, Minutes, Seconds), UTM (Universal Transverse Mercator) or MGRS (Military Grid Reference System) coordinates:

(1) NW Corner _____ NE Corner _____

(2) SW Corner _____ SE Corner _____

**Figure F-2. Topographic Reproduction Support Request (New Products)
(continued)**

Section 2: Topographic Production Support Request (New Products)

Office Symbol

SUBJECT: Topographic Production Support Request (New Products)

d. Datum Requirements: Are Local datums or WGS84 required or important? The answer must be based on the intended use of product; navigation/targeting or just general planning.

e. Is a grid reference system required? Are coordinates going to be obtained from the product? Will they need to agree with coordinates taken from standard NIMA or USGS products? Which system(s) must be used; Geographic/UTM/MGRS?

f. What other information does the unit need the product to show? What additional data is required in the margins? What about information on the reverse side of the map?

4. After answering the above questions, or attempting to, the unit may contact the III Corps Engineer MC&G Officer to clarify what is needed so that the request may be put in writing. Direct coordination between the unit and the 555th En Co must be authorized by the MC&G Officer.

5. The requesting unit will fund the mission. Requests must be in writing before production cost estimates will be given.

6. POC is RANK, NAME, PHONE #.

sample

CF

G3 Tasking, III Corps

SIGNATURE BLOCK

Unit Commander/Principle Staff

Figure F-3. Topographic Reproduction Support Request

Section 3: Topographic Survey Support Request

| | |
|---------------|------|
| Office Symbol | Date |
|---------------|------|

MEMORANDUM THRU Commander, III Corps and Fort Hood, ATTN: AFZF-EN
(TOPO), Fort Hood, TX 76544

Commander, Headquarters Command, ATTN: AFZF-HC-S3,
Fort Hood, TX 76544

FOR Commander, 555th Engineer Company (TOPO)(CORPS), ATTN: AFZF-HC-555-
EN(Tech Control), Fort Hood, Tx 76544

SUBJECT: Topographic Survey Support Request

sample

1. The III Corps Topographic Survey Section within the 555th En Co (TOPO) has two survey squads capable of Geodetic and Topographic Survey missions. Construction survey, similar to topographic survey but with lower order of accuracy, is conducted by surveyors in Combat Heavy Engineer Battalions.
2. FORSCOM tasks the survey section through G3 Tasking, III Corps for missions off Post requiring funding for TDY, equipment, and materiel. Typical topographic survey missions include survey monument recovery and verification, airfield surveys, and most recently, recovery (locating) of parts of wreckage in support of III Corps Safety Office accident site investigations. Additional missions could include recovery/verification of site markers for land navigation courses, landing pads, and other locations requiring some degree of positional accuracy to be published.
3. Requests for local support must follow the format of this letter. Off installation support requests should go through FORSCOM: Commander, FORSCOM, 132nd Engineer Detachment (P&C) ATTN: AFIN-OD-132, Fort McPherson, GA 30050-5000.
4. The request should include:
 - a. PURPOSE: State what type of support is needed; eg. Obstruction Chart, Glide Slope Pattern for runway, Horizontal and Vertical positions.

Figure F-3. Topographic Reproduction Support Request (continued)

Section 3: Topographic Survey Support Request (continued)

Office Symbol

SUBJECT: Topographic Survey Support Request

b. ACCURACY REQUIREMENTS: This should be based on the minimal accuracy needed to meet the purpose. The higher the accuracy, the higher the time, effort and costs to the unit.

c. Any restrictions for gaining access to the area to be surveyed eg. an active airfield or an impact area.

5. The requesting unit will fund the mission. Requests must be in writing before production cost estimates will be given.

6. POC is RANK, NAME. PHONE #.

sample

CF

SIGNATURE BLOCK
Unit Commander/Principle Staff

G3 Tasking, III Corps

**Appendix G
Project After Action Report**

Figure G-1. After Action Report

| | |
|--|---|
| Unit Letterhead | |
| Office Symbol (115-11h) | sample |
| MEMORANDUM FOR Commander, III Corps and Fort Hood. ATTN: AFZF-EN (TOPO), Fort Hood, Texas 76544 | |
| SUBJECT: After Action Report for PD 25-99 (Fort Hood Special) | |
| 1. The following data are submitted for PD# 25-99: | |
| Customer: | III Corps HQ |
| Date Received | 01 Jun 99 |
| Required Due Date: | 01 Sep 99 |
| Date Completed: | 28 Aug 99 |
| Total Cost: | \$613.15 |
| Total Manhours | 1,033 |
| Total Number of Impressions | 27,139 |
| Total Number of Copies | 6,000 |
| Number of Products Distributed: | 6,000 |
| Comments: (include innovative techniques used, reason the due date extended, equipment used, etc.) | |
| 2. Resource expenditure data: | |
| Cartographic Effort: | Number of Manhours: 210 Total Materials Costs: \$55.67 |
| Reproduction Effort: | Number of Manhours: 500 Total Materials Cost: \$110.00 Total Number of Impressions: 27,139 Total Number of Copies: 6,000 |

Figure G-1. After Action Report (continued)

Office Symbol (115-11h)

SUBJECT: After Action Report PD 25-99 (Fort Hood Special)

| | |
|--------------------------|--|
| Distribution Effort: | Number of Manhours: 2 Total Cost: \$0.00 Copies Distributed: 6,000 |
| Survey Effort: | Number of Manhours: 321 Total Materials Cost: \$49.85 Total TDY Cost: \$397.63 Number of KM Traverse: 2.5 Number of KM Level Line: 2.5 Number of Points Installed: 6 Number of Points Recovered: 1 Funding Code: MIPER Code |
| Terrain Analysis Effort: | Number of Manhours: 0 Total Materials Cost: 0 Number of Overlays/Products Produced: 0 |

3. Point of Contact is (Tech Control OIC/NCOIC), phone number.

sample

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CPT, EN
Commanding

**Appendix H
NIMA Catalog of Maps, Charts, and Related Products**

1. The NIMA Catalog of Maps, Charts, and Related Products has seven parts as shown in Table H-1.

2. Release of products.

a. General release policy. Release of topographic maps, aeronautical charts, and digital data produced by NIMA, covering foreign territory at the scale of 1:250,000 and larger is restricted to agencies within the Executive Branch of the United States government. This restriction also applies to nautical charts and publications designated as “Limited Distribution” (see the NIMA Catalog, Part 2, Hydrographic Products volumes).

b. “Limited Distribution” products. Products and catalog volumes designated “limited distribution” are unclassified products. Limited distribution is: Distribution authorized to the DoD, United States DoD Contractors, and to United States government agencies supporting DoD functions (by authority of the Director, Defense Mapping Agency, 30 May 1990). Other requests shall be referred to Headquarters, NIMA, ATTN: TIM, Stop A-10. Destroy as “For Official Use Only.”

Table H-1. NIMA Catalog of Maps, Charts, and Related Products

| Title | NIMA Reference Number |
|--|--|
| Part 1 - Aerospace Products Volume I - Aeronautical Charts, Flight Information Publications, and Related Products Volume II - Aerospace products Semiannual Bulletin Digest | CATP1V01 CATP1UBD |
| Part 2 - Hydrographic Products Volume I Nautical Charts and Publications Hydrographic Products Semiannual Bulletin Digest Volume II (SECRET) - Classified Nautical Charts and Publications (U) (CONFIDENTIAL) - Classified Hydrographic Products Semiannual Bulletin Digest (U) | CATP2V01U CATP2V01UBD CATP2V02C CATP2V02CBD |

Table H-1. NIMA Catalog of Maps, Charts, and Related Products

| Title | NIMA Reference Number |
|---|--|
| Part 3 - Topographic Products Volume I Topographic Maps and Related Products USCENTCOM Suppl -Topographic Line Map Topographic Products Semiannual Bulletin Digest Volume II (SECRET) - Classified Topographic Maps and Related Products (U) (CONFIDENTIAL) - Classified Topographic Products Semiannual Bulletin Digest (U) | CATP3V01U CATP3V01USUP1 CATP3V01UBD CATP3V02C CATP3V02CBD |
| Part 4 - Target Material Products Volume I - (CONFIDENTIAL) - Air Target Material Charts (U) Volume II - (SECRET) Mining Materials (U) Volume III (SECRET) - Point Positioning Data Bases (U) (SECRET) Section 9, Mark 85 PPDBs (SECRET) Section 10, Mark 90, Digital PPDBs Monthly Update (U) Volume IV (SECRET) Gridded Photo (GP) Listing (U) | CATP4V01 MTPXXCATALOG CATP4V03* CATP4V03S09 CATP4V03210 CAT4P4V04 |
| Part 5 - Submarine Navigational Products Volume I (CONFIDENTIAL) - SSBN Special Navigational Material-Atlantic Area (U) Volume II (CONFIDENTIAL) - SSBN Special Navigational Material-Mediterranean Area (U) Volume III (CONFIDENTIAL) - SSBN Special Navigational Material-Pacific Area, including Indian Ocean (U) | CATP5V01* CATP5V02* CATP5V03* |
| Part 6 - Special Purpose/Crisis Catalogs: Volume I - Operation Uphold Democracy-Haiti Volume II - Operation Desert Thunder-Iraq Volume V - Joint Guard-Former Yugoslavia, Albania, Hungary Volume VI Rwanda-Burundi | CATP6V01 CATP6V02 CATP6V05 CATP6V06 |
| Part 7 - Digital Data Products Volume I - Terrain, Feature and World Vector Shoreline Data Volume III ARC Digitized Raster Graphics Volume IV CIB products Digital Date Products Quarterly Bulletin | CATP7V01 CATP7V03 CATP7V04 CATP7QB |

*Reference numbers are for identification purposes only. They cannot be used in any automated ordering system. Contact your Customer Support Team if you have a requirement.

Appendix I**4th Corps Materiel Management Center (4th CMMC) Role in Map Management**

1. Reference, Commander's Guide to Standard Army Retail supply System Level 1 (SARSS1) and Level 2 (SARSS2).

2. The 4th CMMC role in map management will change from no involvement at present (due to lack of product integration into SARSS) to:

a. Provide integrated supply management for maps that are available in the Army supply system.

b. Under SARSS2AC/B perform non-time-sensitive supply functions and maintain document history files, corps catalog files and track demand analysis for maps.

3. The 4th CMMC is scheduled for fielding of the Standard Army Retail Supply System - Objective (SARSS-O) in January 2001. SARSS-O will change the way in which the 4th CMMC accomplishes its mission.

a. SARSS-O will operate on three levels: SARSS1, SARSS2AD and SARSS2AC/B. Together they will replace the current Standard Army Information Management System (STAMIS).

(1) SARSS1 will operate at the storage activity and will perform time-sensitive supply functions. SARSS1 will accomplish all requisitioning, storage and issue operations.

(2) SARSS2AD will operate at the division level.

(3) SARSS2AC/B will operate at the corps level (4th CMMC) and is responsible for the functions stated in 2a & b above.

4. The 64th Corps Support Group (CSG) will coordinate the location and responsibility, either the 64th Direct Support Unit (DSU) or 289th GS Supply Company (Map Depot), for fielding of the SARSS1 box for map requisitioning.

Appendix J
NIMA CONUS Installation Map List

1. CONUS Installation Maps are for training use and are authorized for full issue.
2. The maps listed in Table J-1 are for CONUS installations only.

Table J-1. NIMA CONUS Installation Map List

| Installation | Location | Series | Sheet |
|-------------------------------|------------------------|---------------|--|
| Aberdeen Proving Grounds | Aberdeen, MD | V733 | 57621 NIP57624 57632 |
| Adams, Fort | Newport, RI | V715 | V715 67664 |
| Ailamanu Military Reservation | Honolulu, HI | W733 | 54204 |
| AL Army Ammo Plant | Childersburg, AL | V744 | NIP37504 |
| Amarillo Army Depot | Amarillo, TX | V782 | NIP56541 NIP56542 |
| Anniston Army Depot | Anniston, AL | V744 | 37512 38513 |
| Arlington Hall Station | Arlington, VA | V734 | 55611 |
| Army Mat / Mech Res Center | Watertown, MA | V714 | NIP67681 |
| Ashland, Camp | Ashland, NE | V775 | NIP67663 |
| Atterbury Res for Trn Area | Edinburg, IN | V751 | 37621 37622 38624 |
| Avon Prk Aux AFD/AFD RNG | Avon Park, FL | V747 | 47392 47393 |
| Badger Army Ammo Plant | Badger Army Ammo Plant | V761 | NIP30701 NIP30704 |
| Baker, East Fort | Sausalito, CA | V795 | 15594 |
| Barkley, Camp | Abilene, TX | V782 | NIP60481 60484 |
| Bayonne Mil Ocean Term | Bayonne, NJ | V722 | V722 |
| Beale, Camp | Wheatland, CA | V795 | NIP17622 NIP17623 |
| Beauregard, Camp | Slidell, LA | V785 | NIP80444 |
| Belvoir, Fort | Accotink, VA | V733 V734 | 55612 55611 |
| Benning, Fort | Columbus, GA | V744 V745 | 39481 40481 40483 40484 40492 40493 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|----------------------------|-------------------|--------------|---|
| Benning, FORT/Morino Point | Fort. Walton, FL | V747 | 36441 |
| Benning, FORT/Gainesville | Gainesville, GA | V745 | 41532 |
| Bethany Beach Mil Res | Bethany Beach, DE | V732 | NIP59612 |
| Black Rapids Trn Site | Black Rapids, AK | Q701 | 36483 36474 |
| Blanding, Camp | Jacksonville, FL | V747 | 45431 45442 46434 46443 |
| Bliss, Fort | El Paso, TX | V782 V781 | 47474 46481 46482 47481 47482 47483 47484 47492 48481 48483 48484 48492 48493 |
| Blue Grass Depot Act | Richmond, KY | V753 | NIP41592 NIP41593 |
| Boardman Bombing/Gun RNG | Boardman, OR | V791 V792 | NIP19751 20754 NIP19752 20751 20752 20753 21753 21754 |
| Benning, Fort | Columbus, GA | V744 V745 | 39481 40481 40483 40484 40492 40493 |
| Benning, FORT/Morino Point | Fort. Walton, FL | V747 | 36441 |
| Benning, FORT/Gainesville | Gainesville, GA | V745 | 41532 |
| Bethany Beach Mil Res | Bethany Beach, DE | V732 | NIP59612 |
| Black Rapids Trn Site | Black Rapids, AK | Q701 | 36483 36474 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|-----------------------------|------------------|---------------|---|
| Blanding, Camp | Jacksonville, FL | V747 | 45431 45442 46434 46443 |
| Bliss, Fort | El Paso, TX | V782 V781 | 47474 46481 46482 47481 47482 47483 47484 47492 48481 48483 48484 48492 48493 |
| Blue Grass Depot Act | Richmond, KY | V753 | NIP41592 NIP41593 |
| Boardman Bombing/Gun RNG | Boardman, OR | V791 V792 | NIP19751 20754 NIP19752 20751 20752 20753 21753 21754 |
| Bonneville, Camp | Vancouver, WA | V791 | NIP15753 |
| Bowie, Camp | Brownwood, TX | V782 | 62473 |
| Bragg, Fort | Fayetteville, NC | V742 | 51541 51542 51543 52543 |
| Brooklyn Mil Ocean Terminal | New York, NY | V722 | NIP61652 |
| Bullis, Camp | San Antonio, TX | V782 | 62432 |
| Burlington Army Ammo Plt | Burlington, NJ | V731 | 60643 |
| Butner, Camp | Oxford, NC | V742 1501A | NIP52561 NIP52562 NIP52563 NIP52564 NJ1712 |
| Cameron Station | Alexandria, VA | V734 | 55611 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|-----------------------------------|----------------------|--------|--|
| Campbell, Fort | Clarksville, KY | V741 | 34572 34573 35573 |
| Carlisle Barracks | Carlisle, PA | V731 | 55641 55642 |
| Carroll, Camp | Anchorage, AK | Q701 | 42433 |
| Carson, Fort | Colorado Springs, CO | V777 | 50601 50604 50612 50613 50614 |
| Chaffee, Fort | Fort Smith, AK | V784 | 71541 71542 71543 71544 |
| Charleston Army Depot | Charleston, SC | V746 | 50494 |
| Cheery Point (NAS) | Cherry Point, NC | V742 | 56534 55542 55543 |
| Chocolate Mountains Air/Gun Range | EL Centro, CA | V795 | 28501 28504 28512 28513 29501 29502 |
| Clark, Camp | Nevada, MO | V779 | NIP71594 |
| Cleveland Army Tank Plant | Cleveland, OH | V752 | NIP46664 |
| Cold Regions Research | Hanover, NH | V713 | NIP65713 |
| Columbus Support Facility | Columbus, OH | V752 | NIP44643 |
| Cornhusker Army Ammo Plant | Grand island, NE | V775 | NIP62651 NIP63654 |
| Crowder, Fort | Joplin, MO | V779 | 71573 NIP71574 |
| Custer, Fort and Custer RFORA | Battle Creek, MI | V762 | 39684 |
| Davis, Camp | Holly Ridge, NC | V742 | 54521 54532 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|--|--------------------|--------|---|
| Defense Construction Supply Center (Columbus Army Depot) | Columbus, OH | V752 | NIP44643 |
| Defense Depot (Memphis Army Depot) | Memphis, TN | V741 | NIP30543 |
| Defense Depot (Utah Army Depot) | Ogden, UT | V797 | 36661 NIP36662 NIP36663 NIP36664 |
| Defense Depot | Tracy, CA | V795 | NIP17593 |
| Defense General Supply Center (Richmond QM Depot) | Richmond, VA | V734 | 55584 |
| Defense Personnel Support Center | Philadelphia, PA | V731 | NIP59642 |
| Des Moines, Fort | Des Moines, IA | V776 | NIP72672 |
| DeRussy, Fort | Honolulu, HI | W733 | 54204 |
| Detrick, Fort | Frederick, MD | V733 | NIP55624 |
| Detroit Arsenal | Detroit, MI | V762S | 43681 |
| Devens, Fort | Ayer, MA | V714 | 66681 66692 |
| Dillingham Military Reservation | Wahiawa, HI | W733 | 53212 |
| Dix, Fort | Wrightstown, NJ | V722 | 60631 60642 61634 61643 |
| Douglas, Fort | Salt Lake City, UT | V797 | NIP36654 |
| Drum, Fort | Watertown, NY | V721 | 58721 58722 58723 59723 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|---|-------------------|--------|---|
| Edwards, Camp | Sandwich, MA | V714 | 68671 68672 69673 |
| Eglin AFB (includes Camp Rudder) | Valpariso, FL | V747 | 36441 36444 36452 36453 37441 37444 37452 37453 37454 |
| Eklutna MTN Glacier Training Site | Anchorage, AK | Q701 | 42431 43433 43434 |
| Ellis, Camp | Table Grove, IL | V763 | NIP29644 |
| Ethan Allen Air Force Base | Winooski, VT | V713 | NIP63721 NIP63732 |
| Eustis, Fort | Newport News, VA | V734 | 56582 |
| Fallbrook Naval Reservation | Escondido, CA | V795 | 25501 25504 |
| Fallon Naval Air Station and Bombing Ranges | Fallon, NV | V796 | 22621 22622 22624 23621 23622 23623 23624 23631 |
| Fitzsimmons Army Medical Facility | Aurora, CO | V777 | NIP50633 |
| Fort Wingate Depot Activity | Gallup, NM | V781 | NIP42541 NIP42542 |
| Frankford Arsenal | Philiadelphia, PA | V731 | NIP59642 |
| Funston, Fort | San Fransisco, CA | V795 | NIP15593 |
| Gary, Camp | San Marcos, TX | V782 | 64434 |
| Gateway Army Ammo Plant | St. Louis, MO | V779 | NIP79613 |
| Gettysburg (USGS File 00314) | Gettysburg, PA | 1501A | NJ1801 |
| Gillem, Fort | Forest Park, GA | V745 | NIP41513 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|---------------------------------|--------------------|------------------|---|
| Gordon, Fort | Augusta, GA | V745 | 45501 45504 |
| Grayling, Camp | Grayling, MI | V762 | 40732 40733 40731 41733 41734 |
| GraForton, Camp | Devils Lake, ND | V771 | NIP62803 |
| Greely, Fort | Delta Junction, AK | Q701 | 34481 35481 35482 35483 35484 35492 35493 36481 36483 36484 36493 |
| Green River Test Complex | Price, UT | V797 | NIP39611 NIP40614 |
| Greene, Fort Nathaniel | Point Judith, RI | V715 | NIP66661 |
| Gruber, Camp | Muskogee, OK | V783 | 69551 69552 |
| Guernsey, Camp | Guernsey, WY | V774 | 50682 |
| Guild, Camp Curtis | Wakefield, MA | V714 | NIP67692 |
| Hamilton, Fort | New York, NY | V722 | NIP61652 |
| Hancock, Fort | Highlands, NJ | V722 | 61641 |
| Harrison, Fort Benjamin | Indianapolis, IN | V751 | NIP37631 NIP38634 |
| Harrison, Fort William Henry | Helena, MT | V794 | NIP35772 |
| Harry Diamond Laboratories | Silver Spring, MD | V733 V734 | 55612 55622 56623 55601 |
| Hays Army Ammo Plant | Pittsburg, PA | V731 | NIP50644 |
| Highlands Army Air Defense Site | Red Bank, NJ | V722 | NIP61641 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|--|-------------------|--------|---|
| Hill, Fort A.P. | Bowling Green, VA | V734 | 55602 55603 |
| Holabird, Fort | Baltimore, MD | V733 | 56621 56622 |
| Holston Army Ammo Plant | Kingsport, TN | V734 | NIP44572 NIP44561 |
| Honouliuli Military Reservation | Honolulu, HI | W733 | 53201 |
| Hood, Fort | Killeen, TX | V782 | 64461 64462 64463 64464 |
| Houston, Fort Sam | San Antonio, TX | V782 | NIP63424 |
| Huachuca, Fort (Main Area) | Sierra Vista, AZ | V798 | 39464 39472 39473 |
| Huachuca, Fort (Willcox Area) | Sierra Vista, AZ | V798 | 39464 39473 |
| Huachuca, Fort (Gila Bend Area) | Sierra Vista, AZ | V798 | 34493 34494 |
| Hunter Army Airfield | Savannah, GA | V745 | 47471 47482 |
| Indiana Army Ammo Plant | Charleston, IN | V751 | NIP38604 |
| Indiantown Gap, Fort. and Edward Martin Military Reservation | Lebanon, PA | V731 | 56641 |
| Iowa Army Ammo Plant | Burlington, IA | V776 | NIP77651 NIP77654 |
| Irwin, Fort | Barstow, CA | V795 | 26541 26542 26543 26544 26552 26553 27543 27544 27553 |
| Jackson, Fort | Columbia, SC | V746 | 48514 48522 48523 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|-----------------------------------|--------------------|--------------|----------------------------------|
| Jefferson Proving Ground | Madison, IN | V751 | NIP39614 NIP3963 |
| Johnson, Seamore (AFB) | Goldsboro, NC | V742 | 54544 |
| Johnson, Camp | Winooski, VT | V713 | NIP63721 NIP63732 |
| Johnson, Camp Leroy | New Orleans, LA | V785 | 79442 |
| Joliet Army Ammo Plant | Joliet, IL | V763 | NIP33661 |
| Kaena Point Military Reservation | Wahiawa, HI | W733 | 53212 |
| Kahuku Training Area | Wahiawa, HI | W733 | 54213 |
| Kamehmeha, Fort | Honolulu, HI | W733 | 54204 |
| Kansas Army Ammo Plant | Parsons, KS | V778 | NIP69581 NIP69582 |
| Kapalama Military Reservation | Honolulu, HI | W733 | 54204 |
| Key West, NAS | Boca Chica Key, FL | V747 | 46332 |
| Keyes, Camp | Augusta, ME | V711 | NIP70724 |
| Kilauea Military Reservation | Hilo, HI | W733 | 59164 |
| Kings Bay Military Ocean Terminal | St. Marys, GA | V745 V747 | 46451 47454 46452 47453 |
| Knox, Fort | Louisville, KY | V753 | 37591 38591 38594 38603 |
| Labonte, Camp | Concord, NH | V712 | NIP66702 |
| Lake City Army Ammo Plant | Independence, MO | V779 | NIP71622 NIP71623 |
| Lake Mead Base | Las Vegas, NV | V796 | NIP30562 |
| Langley AFB | Newport News, VA | V734 | 57583 |
| Lawndale Army Missile Plant | Lawndale, CA | V795 | NIP23514 |
| Lawton, Fort | Seattle, WA | V791 | NIP15793 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|---|----------------------|----------------|---|
| Leavenworth, Fort (Training Area for Leavenworth) | Leavenworth, KS | V779 V778 | 70624 68611 68612 68613 68614 |
| Lee, Fort | Petersburg, VA | V734 | 55583 55584 |
| Lejeune, Camp | NC | Combat V742 | 809310 55532 55533 |
| Leonard Wood, Fort | Waynesville, MO | V779 | 75591 75592 75593 |
| Lewis, Fort | Tacoma, WA | V791 | 14771 14774 14782 15774 15783 |
| Lexington-Bluegrass Army Depot | Lexington, KY | V753 | NIP41603 |
| Liggett, Fort Hunter | King City, CA | V795 | 17551 17554 17562 17563 |
| Lima Army Modification Center | Lima, OH | V752 | NIP41651 |
| Livingston, Camp | Alexandria, LA | V785 | 75464 |
| Lone Star Army Ammo Plant | Texarkana, TX | V782 | 71504 |
| Longhorn Army Ammo Plant | Marshall, TX | V782 | NIP71492 |
| Louisiana Army Ammo Plant | Minden, LA | V785 | NIP73493 |
| Lucas, Camp | Sault Ste. Marie, MI | V762 | NIP41764 |
| Luke Air Force Range | Yuma, AZ | V798 | 30481 30492 31481 31484 31492 31493 32481 32484 32491 32492 32493 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|---|----------------------|--------|---|
| Luke Air Force Range | Yuma, AZ | V798 | 33471 33481 33482 33491 33492 33493 33494 34491 34492 34493 34494 35493 35494 |
| Mabry, Camp | Austin, TX | V782 | 64444 |
| MacArthur, Fort | Los Angeles, CA | V795 | NIP23513 |
| Mackall, Camp | Hoffman, NC | V742 | 50542 51543 |
| Makua Military Reservation | Wahiawa, HI | W733 | 53212 |
| McCain, Camp | Duck Hill, MS | V743 | 30512 |
| McClellan, Fort | Anniston, AL | V744 | 37511 37512 38513 38514 |
| McCoy, Fort | Sparta, WI | V761 | 28711 28714 28722 |
| McNair, Fort Lesley J. | Washington, DC | V734 | 55611 |
| McPherson, Fort | Atlanta, GA | V745 | NIP41513 |
| Meade, Fort George G. | Laurel, MD | V733 | 56622 56623 |
| Meskill, Camp | New London, CT | V716 | NIP65661 |
| Michigan Army Missile Plant | Sterling Heights, MI | V762 | NIP43692 |
| Milan Army Ammo Plant and Milan Depot Activity | Milan, TN | V741 | 32551 32554 |
| Mississippi National Guard Nap-of-the-Earth TNG Area | MS | V743 | 32481 32482 32483 32484 |
| Missoula, Fort | Missoula, MT | V794 | NIP31771 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|--|--|--------|--|
| Monmouth, Fort | Red Bank, NJ | V722 | 61641 61642 |
| Monroe, Fort | Hampton, VA | V734 | 57574 57583 |
| Monterey, Presidio of | Monterey, CA | V795 | 16573 |
| Moody AFB | Naylor, GA | V745 | 43451 |
| Mountain Home AFB and Small Arms Range | Mountain Home, ID | V793 | 28703 |
| Murray, Camp | Tacoma, WA | V791 | 15783 |
| Myer, Fort | Arlington, VA | V734 | 55611 |
| Natick Development Center | Natick, MA | V714 | 67684 |
| Navajo Depot Activity | Flagstaff, AZ | V798 | NIP36543 |
| Naval Gunnery Range, including Planned Space Position Range, | El Centro, CA Carrijo Impact Area, Naval Impact | V795 | 27491 NIP28491 28494 28502 28503 29491 29494 30493 30494 |
| NW Cumberland Army Depot | Harrisburg, PA | V731 | 56643 |
| New Orleans Army Base | New Orleans, LA | V785 | NIP79431 |
| Newport Army Ammo Plant | Newport, IN | V751 | NIP35634 |
| NIMA Depository | Omaha, NE | V776 | NIP68664 |
| NIMA Depot | Clearfield, UT | V797 | NIP35662 |
| NIMA Production Facility | Bethesda, MD | V734 | 55611 |
| NIMA Production Facility | Reston, VA | V734 | 55614 |
| North Army Airbase | Woodford, SC | V746 | 47512 |
| Oakland Army Base | Oakland, CA | V795 | 15594 |
| Ord, Fort | Seaside, CA | V795 | 16572 16573 |
| Parks, Camp | Livermore, CA | V795 | NIP16593 |
| Pensacola Naval Air Station | Pensacola, FL | V747 | 35444 |
| Pentagon Building | Arlington, VA | V734 | 55611 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|-----------------------------------|----------------|--------|----------------------------------|
| Perry, Camp and Erie Army Depot | Fremont, OH | V752 | 43672 |
| Phosphate Developmental Works | Sheffield, AL | V744 | NIP34531 |
| Picatinny Arsenal | Dover, NJ | V722 | NIP60651 NIP61654 |
| Pickett, Fort | Blackstone, VA | V734 | 53582 54574 54583 |
| Pisgah National Forest | Asheville, NC | V742 | 45551 45552 45553 45554 |
| Pohakuloa Training Area | Hilo, HI | W733 | 58171 58172 58173 |
| Polk, Fort | Leesville, LA | V785 | 73461 73462 73464 74463 |
| Pueblo Army Depot | Pueblo, CO | V777 | 51604 |
| Quantico Marine Base | VA | V734 | SQUANITCOMIM |
| Radford Army Ammo Plant | Radford, VA | V734 | NIP48582 |
| Ravenna Army Ammo Plant | Ravenna, OH | V752 | NIP47662 NIP48663 |
| Red River Army Depot | Texarkana, TX | V782 | 71501 71504 |
| Redstone Arsenal | Huntsville, AL | V744 | 36532 |
| Reed, Walter, Army Medical Center | Washington, DC | V733 | 55622 NIP55611 |
| Richardson, Fort | Anchorage, AK | Q701 | 42431 42432 42433 42434 |
| Rilea, Camp | Portland, OR | V792 | NIP14741 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|-------------------------------|----------------------|--------------|--|
| Riley, Fort | Junction City, KS | V778 | 66621 66622 66623 66624 |
| Rio Vista Facility | Rio Vista, CA | V795 | NIP16602 |
| Ripley, Camp | Little Falls, MN | V772 | SCPRIPLEMIM SCAMPRIPL |
| Ritchie, Fort | Blue Rge Summit, PA | V731 V733 | NIP55634 NIP54621 NIP55633 |
| Riverbank Army Ammo Plant | Riverbank, CA | V795 | NIP18593 |
| Roberts, Camp | Paso Robles, CA | V795 | 18551 18552 18553 18554 |
| Robinson, Camp Joseph Army | Little Rock, AK | V784 | 75531 |
| Reservation Center | Little Rock, AK | V784 | 75534 |
| Rock Island Arsenal | Rock Island, IL | V776 | NIP78672 |
| Rocky Mountain Arsenal | Denver, CO | V777 | NIP50634 |
| Rodman, Fort | New Bedford, MA | V714 | 67672 |
| Rucker, Fort | Daleville, AL | V744 | 37461 37482 38461 38462 38463 38464 38473 38482 38483 39464 |
| Rucker, Fort (Florida Area) | Saint Vincent Island | V747 | 39432 |
| Ruger, Fort | Honolulu, HI | W733 | 54204 |
| Sacramento Army Depot | Sacramento, CA | V795 | NIP16612 NIP17613 |
| Sahinaw Army AircraFort Plant | Fort Worth, TX | V782 | 65494 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|-------------------------------|---------------------|--------------|--|
| St. Louis Area Support Center | Granite City, IL | V763 | 29611 29612 |
| St. Louis Army Ammo Plant | St. Louis, MO | V779 | 78612 |
| San Francisco, Presidio of | San Francisco, CA | V795 | 15594 |
| San Luis Obispo, Camp | San Luis Obispo, CA | V795 | 18541 18544 |
| Savanna Army Depot | Savanna, IL | V763 V776 | NIP29682 NIP79683 |
| Schofield Barracks | Honolulu, HI | W733 | 53201 53212 54204 54213 |
| Scranton Army Ammo Plant | Scranton, PA | V731 | NIP58661 |
| Seneca Army Depot | Romulus, NY | V721 | NIP56693 NIP56694 |
| Seymore Johnson AFB | Goldsboro, NC | V742 | 54544 |
| ShaForter, Fort | Honolulu, HI | W733 | 54204 |
| Sharpe Army Depot | Stockton, CA | V795 | NIP16591 NIP16592 |
| Shaw AFB | | V746 | 49514 |
| Shelby, Camp | Hattiesburg, MS | V743 | 31462 32454 32463 |
| Sheridan, Fort | Highland Park, IL | V763 | NIP34683 |
| Sherman, Camp | Chillicothe, OH | V752 | NIP43632 NIP44633 |
| Sierra Army Depot | Susanville, CA | V795 | NIP19641 NIP19642 NIP19643 NIP19644 |
| Sill, Fort | Lawton, OK | V783 | 62532 62533 63533 63534 |
| Simms, Camp | Washington, DC | V733 | 56614 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|--|----------------------|--------|--|
| Smith, Camp | Peekskill, NY | V721 | 62664 |
| Snelling, Fort | Minneapolis, MN | V772 | NIP73731 |
| Stanley, Camp, Storage Act | San Antonio, TX | V782 | 62432 |
| Stewart, Fort | Hinesville, GA | V745 | 46471 46474 46482 46483 47474 47483 |
| Story, Fort | Virginia Beach, VA | V734 | 57571 |
| Sunflower Army Ammo Plant | Lawrence, KS | V778 | 69611 70614 |
| Sunny Point Military Ocean Terminal | Wilmington, NC | V742 | 53511 53522 54514 54523 |
| SwiFort, Camp | Austin, TX | V782 | NIP65434 |
| Tarheel Army Missile Plant | Burlington, NC | V742 | NIP51563 |
| Tilden, Fort | New York, NY | V721 | NIP62653 |
| Tobyhanna Army Depot | Scranton, PA | V731 | NIP58662 NIP59663 |
| Tooele Army Depot | Tooele, UT | V797 | 35644 35653 |
| Totten, Fort | New York, NY | V721 | NIP62654 |
| Twin Cities Army Ammo Plant | New Brighton, MN | V772 | NIP73742 |
| Umatilla Depot Activity | Hermiston, OR | V792 | 20751 21754 |
| Underhill Firing Range | Richmond, VT | V713 | NIP64724 |
| US Air Force Academy | Colorado Springs, CO | V777 | 50614 50623 |
| US Marine Corps Air Station | Beaufort, SC | V746 | 48481 48492 |
| US Marine Corps Air Station (Cherry Point) | Cherry Point, NC | V742 | 56534 55542 55543 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|--|----------------------|--------|--|
| US Marine Corps Air Station (El Toro) | El Toro, CA | V795 | 24512 24513 |
| US Marine Corps Air Station | Jacksonville, NC | V742 | 55533 |
| US Marine Corps Air Station | Kaneohe Bay, HI | W733 | 54201 |
| US Marine Corps Air Station | Santa Ana, CA | V795 | 24513 |
| US Marine Corps Air Station | Yuma, AZ | V798 | 30492 |
| US Marine Corps Air Station (Camp Lejeune) | Jacksonville, NC | V742 | 55532 55533 |
| US Marine Corps Base (Camp Pendleton) | Oceanside, CA | V795 | 24501 25501 25503 25504 25513 |
| US Marine Corps Base (Quantico) | Quantico, VA | V734 | 54612 55604 55613 |
| US Marine Corps Base (Twentynine Palms) | Twentynine Palms, CA | V795 | 27521 27522 27524 27532 27533 28523 28524 28533 |
| US Marine Corps Mountain | Bridgeport, CA | V795 | 20601 |
| Warfare Training Center | | | 21604 |
| US Marine Corps Recruit Depot (Parris Island) | Beaufort, SC | V746 | 48481 |
| US Marine Corps Supply Center | Albany, GA | V745 | NIP41472 NIP41473 |
| US Marine Corps Supply Center | Barstow, CA | V795 | 26534 |
| Valley Forge General Hospital | Phoenixville, PA | V731 | NIP58642 NIP59643 |
| Vancouver Barracks | Vancouver, WA | V791 | NIP14752 |
| | | | |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|---------------------------------|-----------------|--------|---|
| Varnum, Camp | Naragansett, RI | V715 | 67664 |
| Vint Hill Farms Station | Warrenton, VA | V734 | 54611 54612 54613 |
| Volunteer Army Ammo Plant | Chattanooga, TN | V741 | NIP39542 |
| Wadsworth, Fort | New York, NY | V722 | NIP61652 |
| Waiawa Military Reservation | Wahiawa, HI | W733 | 54204 |
| Wainwright, Fort | Fairbanks, AK | Q701 | 33491 33502 33503 34491 34494 34502 34503 34504 35494 |
| Watervliet Arsenal | Watervliet, NY | V721 | NIP62692 |
| Weldon Springs Reserve | St. Charles, MO | V779 | 78612 |
| West, Camp George | Golden, CO | V777 | NIP49631 NIP49632 |
| West Point Military Reservation | Newburgh, NY | V721 | 61661 62664 |
| West Silver Springs Army Reserv | Milwaukee, WI | V761 | NIP33701 |
| Complex Training Area | Milwaukee, WI | V761 | NIP33702 |
| Western Virginia Area Office | Bluemont, VA | V734 | NIP54623 |
| White Sands Missile Range | White Sands, NM | V781 | 46481 46491 46492 46494 46501 46502 46503 46504 46511 46512 46514 46521 46522 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|--|-------------------|--------|---|
| White Sands Missile Range (continued) | White Sands, NM | V781 | 46523 46524 47481 47484 47491 47492 47493 47494 47501 47502 47503 47504 47511 47512 47513 47514 47521 47522 47523 47524 48504 |
| Williams, Camp | Lehi, UT | V797 | 35641 35652 36644 |
| Williams, Camp | Tomah, WI | V761 | 28711 |
| Withycombe, Camp | Portland, OR | V791 | NIP14752 |
| Wolters, Fort | Mineral Wells, TX | V782 | 63491 64494 |
| Wood, Fort Leonard | Rolla, MO | V779 | 75591 75592 75593 |
| Yakima Firing Center | Yakima, WA | V791 | 19771 19772 19773 19774 20773 20774 |
| Yukon Command Training Site | AK | Q701 | 32491 32492 33493 33494 |

Table J-1. NIMA CONUS Installation Map List (continued)

| Installation | Location | Series | Sheet |
|---------------------|----------|--------|---|
| Yuma Proving Ground | Yuma, AZ | V798 | 30501 30502 31491 31492 31493 31494 31502 31503 31504 NIP31513 32491 32494 32501 32502 32503 32504 |

Legend

AFB – Air Force Base
 AZ – Arizona
 CT – Connecticut
 GA – Georgia
 ID – Idaho
 KS – Kansas
 MA – Massachusetts
 MI – Michigan
 MT – Montana
 ND – North Dakota
 NM – New Mexico
 NY – New York
 PA – Pennsylvania
 TX – Texas
 WA – Washington

AK – Alaska
 CA – California
 DE – Delaware
 HI – Hawaii
 IL – Illinois
 KY – Kentucky
 MD – Maryland
 MO – Missouri
 NAS – Naval Air Station
 NE – Nebraska
 NJ – New Jersey
 OH – Ohio
 RI – Rhode Island
 UT – Utah
 WY - Wyoming

AL – Alabama
 CO – Colorado
 FL – Florida
 IA – Iowa
 IN – Indiana
 LA – Louisiana
 ME – Maine
 MS – Mississippi
 NC – North Carolina
 NH – New Hampshire
 NV – Nevada
 OR – Oregon
 TN – Tennessee
 VA – Virginia

**Appendix K
Topographic Situation Report**

Figure K-1. Sample TOPOSITREP

| TOPOSITREP | | | | |
|--|---------------------|-----------------------|------------------------|------------------------|
| <p>A. FROM: 555TH ENGINEER COMPANY (T), III CORPS, FT HOOD, TX 76544 THRU: CDR, III CORPS, ATTN: AFZF-EN, FT HOOD, TX 76544</p> | | | | |
| <p>B. TO: CDR, FORSCOM, ATTN: AFIN-OD-132, FT MCPHERSON, GA 30050-5000</p> | | | | |
| <p>C. INFO: CDR, HEADQUARTERS COMMAND, III CORPS, FT HOOD, TX 76544</p> | | | | |
| <p>D. SUB: TOPOSITREP #99-05</p> | | | | |
| <p>E. PERIOD: FROM 010001(Z)FEB 99 TO 282400(Z)FEB 99</p> | | | | |
| <p>F. ORGANIZATION:</p> | | | | |
| <p>1. DETACHMENTS: PFC Larry: Soldier attached to 1CAV during TFE. PFC Karhoff: Soldier attached to SFOR HQ during TFE. PFC Feith: Soldier attached to SFOR HQ during TFE.</p> | | | | |
| <p>2. OVERALL ORGANIZATION:</p> | | | | |
| UNIT NAME | UNIT LOC (GRID/VIC) | SPTDHQ | CMD REL | DUR |
| 555th EN CO | Fort Hood, Texas | III Corps | Attached | |
| <p>G. SITUATION:</p> | | | | |
| <p>1. MISSION:</p> | | | | |
| <p>A. PRIORITY EFFORT: TERRAIN ANALYSIS, PRODUCTION, SURVEY</p> | | | | |
| <p>B. PRIORITY SUPPORT: III CORPS G-2 and G-3, 4ID, III CORPS G3 SAFETY</p> | | | | |
| <p>2. OVERVIEW:</p> | | | | |
| <p>A. COMMANDER'S ASSESSMENT: The company is providing accurate and timely topographic support to III Corps. February was an amber cycle month, March is a green cycle month.</p> | | | | |
| <p>B. COMMANDER'S CONCERNS: My continuing concern is personnel. We are receiving some topographic MOSSs, however, we are not receiving Skill Level 20's. Paragraph J in this report details our critical shortages. Topo NCOs are my primary shortage. We are also, extremely short in common MOSSs, i.e. 54B20, 31C30, and 92A20. The unit's TOE is not close to what the unit needs to be functional.</p> | | | | |
| <p>C. UNIT PRODUCTION FOR REPORT PERIOD:</p> | | | | |
| UNIT | SECTION | AVAIL DAYS//MANHRS | TASKED DAYS//MANHRS | EXCESS DAYS//MANHRS |
| 555 | SURVEY | 5D//520 | 0//0 | 5//520 |
| 555 | CARTO | 6D//195 | 6//55 | 0//140 |
| 555 | REPRO | 6D//546 | 9//156.5 | 0//389.5 |
| 555 | TERRAIN | 5D//130 | 8//249 | 0//0 |
| <p>Company was in an Amber Cycle. There were five to six total production days for the month depending on the platoons. Production platoon continued work on the 21st CAV project and completed 10,000 copies of the ITAM project. They currently have one 1:50,000 special map sheet to complete for the 21st CAV project. Survey platoon conducted training throughout the month due to no survey missions. Terrain platoon worked on projects for III Corps' RSOI and Leaders Recon. Production and Survey platoons conducted platoon FTXs and all platoons prepared for the company FTX. The excessive manhours for the survey platoon was due to no survey mission in-house. As for Production platoon, they were engaged in preparing for their own FTX and the company FTX.</p> | | | | |

format

Figure K-1. Sample TOPOSITREP (continued)

OPERATIONS:

1. CURRENT OPERATIONS: The company will have eight days available for production in the month of March. The company will execute a FTX focusing on CTT testing and survivability training from 1-5 March 99. The company will conduct FTX Refit from 8-12 March 99. Production Platoon will print the MRE maps in support of JRTC SFOR Rotation 99-07. Survey Platoon will coordinate for surveys at Biggs and Butts AAFs. Terrain Platoon will work on the RSOI/Leader's project, Roving Sands project, and participate in III Corps TOCEX from 16-19 March 99. Terrain Platoon will be sending two soldiers to SFOR HQs in Sarajevo and the three detached soldiers currently deployed to Bosnia will return at the end of March 99.

2. FUTURE OPERATIONS: I anticipate eight production days available in April. Production platoon will make revisions to and begin printing the 25,000 copies of the ITAM map. There has been discussion with the Corps Staff Engineer Section on having the Production Platoon revise and print the Corps Air Route Structure Map consisting of four map sheets and the 19 map sheets of the Western Training Area in order to restock Map Depot. Survey Platoon will tentatively begin survey missions at Biggs AAF. Terrain Platoon will continue working on Roving Sands projects and 5027 Mission Analysis.

3. TOPOGRAPHIC ACTIVITIES/ISSUES: NONE

4. ENGINEER PRODUCTION STATUS 555TH EN CO (T)

format

| PD# | TITLE | START | DUE | LAST % | CURR % | REQ/SUP |
|-------------------|------------------------------|--------|--------|--------|--------|----------------------|
| Production | | | | | | |
| 555-02-98P | 21 CAV Reprints | 980501 | 981215 | 89 | 92 | 21 st CAV |
| 555-02r-98P | | 980501 | 981215 | 90 | 100 | |
| 555-02special | Camp Bowie | 990201 | TBD | 0 | 25 | |
| 555-02-99P | ITAM Reprints | 980706 | 990301 | 35 | 100 | G-3, ITAM |
| 555-03-99P | ITAM Revisions | 981020 | 990630 | 0 | 0 | G-3, ITAM |
| 555-04-99P | MRE Revision | 990201 | 990329 | 0 | 5 | III Corps |
| Survey | | | | | | |
| 555-01-99S | Hunter Liggett Army Airfield | TBD | TBD | 81 | 100 | Hunter Liggett |
| 555-04-99S | Kelly Air Force Base | TBD | TBD | 96 | 100 | Internal PD |
| Terrain | | | | | | |
| 555-05-99T | Database Inventor | 981001 | 991001 | 10 | 12 | Internal PD |
| 555-13-99T | RSOI/Ldr Recon | 990119 | 990326 | 0 | 18 | Corps G-3/EN |
| 555-14-99T | Roving Sands | 990119 | 990424 | 0 | 3 | Corps EN |
| 555-15-99 | RTV-ACTD | 990502 | 990507 | 0 | 0 | |
| 555-16-99 | Slope Analysis | 990217 | 990402 | 0 | 0 | |
| 555-17-99 | Mission Analysis | 990225 | 990318 | 0 | 0 | |
| 555-18-99 | Map Product Roving Sands | 990225 | 990331 | 0 | 0 | |

Figure K-1. Sample TOPOSITREP (continued)

I. LOGISTICS

1. TOPOGRAPHIC ENGINEER DATA

A. PROJECT RESOURCING:

| PD# | ESTIMATED MANHRS | CUMM MH | EST COS | CUMM COST | COPIES | REMARKS |
|------------|------------------|---------|-----------|-----------|--------|------------------------------|
| Production | | | | | | |
| 555-02-98P | 1891 | 2367 | 27,815.99 | 14,000 | 20,000 | 89% Complete |
| 555-03-99P | 1000 | 0 | 26,700 | 26,700 | 50,000 | |
| 555-04-99P | TBD | 0 | TBD | TBD | 8,500 | Awaiting overlays |
| Survey | | | | | | |
| 555-01-99S | 1500 | 1208 | 11,000.00 | TBD | 1 | Hunter Liggett Army Airfield |
| 555-04-99S | 1100 | 1104 | 11,500.00 | TBD | 1 | Kelly AFB |
| Terrain | | | | | | |
| 555-05-99T | 1500 | 98.5 | N/A | N/A | | Internal PD |
| 555-13-99T | 600 | 0 | N/A | N/A | | |
| 555-14-99T | 126 | 0 | N/A | N/A | | |
| 555-15-99 | 97.5 | 0 | N/A | N/A | | |
| 555-16-99 | 20 | 0 | N/A | N/A | | |
| 555-17-99 | 180 | 0 | N/A | N/A | | |
| 555-18-99 | 48 | 0 | N/A | N/A | | |

B. COMMENTS: The company will be in red cycle, which may have some impact on the available production days available. It will be dependent on taskings from battalion and III Corps.

2. SERVICE SUPPORT

- A. CLASS II: NO ISSUES
- B. CLASS III: NO ISSUES
- C. CLASS IV: NO ISSUES
- D. CLASS V: NO ISSUES
- E. CLASS VII: NO ISSUES
- F. CLASS IX: NO ISSUES

format

3. MISSION ESSENTIAL EQUIPMENT:

A. Equipment Status

| TYPE | AUTH | O/H | FMC |
|----------------|------|-----|-----|
| PRESS | 2 | 3 | 2 |
| CAMERA | 1 | 1 | 1 |
| MSIP* | 2 | 2 | 2 |
| PLATE MAKER | 1 | 2 | 1 |
| FILM PROCESSOR | 1 | 1 | 0 |
| AISI | 4 | 4 | 4 |
| GPS | 10 | 10 | 7 |
| L1/L2 Antennae | 4 | 4 | 3 |

* One MSIP deployed to Bosnia for approximately eighteen months.

Figure K-1. Sample TOPOSITREP (continued)

J. PERSONNEL

1. ROUTINE:

A. PERSONNEL DAILY SUMMARY:

| UNIT | START | LOSSES | GAINS | STRENGTH | AUTH |
|------|------------------|----------------|----------------|------------------|------------------|
| 555 | O/W/E 5/1/103 | O/W/E 0/0/6 | O/W/E 2/0/5 | O/W/E 7/1/103 | O/W/E 4/1/118 |

B. CRITICAL MOS:

| MMOS/MOS NAME | GRADE | STATUS |
|----------------------------|-------|--------|
| 81T40/Topo Analyst Ops SGT | E-7 | 1 Open |
| 81T30/Squad Leader | E-6 | 2 Open |
| 81T20/Topographic Analyst | E-5 | 5 Open |

2. CRISES: N/A

K. COMMAND AND SIGNAL

| NAME/POSITION | TAC/COM PHONE/FAX | EMAIL |
|---------------------------------|-------------------------|---------------------------------|
| CDR, Janice P. Tutt | (254) 287-7992/287-0144 | tuttj1@hood-emh3.army.mil |
| 1SG, Brenda Rivera | (254) 287-5869 | RIVERAB@hood-emh3.army.mil |
| Headquarters PL, Jessica Yerdon | (254) 287-1188 | |
| Support PL, Jeff Luke | (254) 286-6127 | 555supportpl@hood-emh3.army.mil |
| Production PL, Cindy Young | (254) 286-6130 | 555prodpl@hood-emh3.army.mil |
| Terrain PL, Andrew Auns | (254) 288-5168 | 555terpl@hood-emh3.army.mil |
| Survey_NCOIC Alex Reyes | (254) 287-2481 | 555survey@hood-emh3.army.mil |

format

Glossary

Section I. Abbreviations

AD

Automatic distribution

ADRG

ARC Digitized Raster Graphics

AFB

Air Force Base

AG

Adjutant General

AGL

Above ground level

AID

Automatic Initial Distribution

AK

Alaska

AL

Alabama

AMC

United States Army Materiel Command

AO

Area of operation

AOI

Area of interest

AOR

Area of responsibility

ARNG

Army National Guard

ASW

Anti-submarine warfare

AZ

Arizona

BOIP

Basis of Issue Plan

CA

California

CADRG

Compressed ARC Digitized Raster Graphics

CAT

Catalog

CCI

Controlled critical items

CCM

Cross country movement

CIB

Controlled Image Base

CMMC

Corps Materiel Management Center

COE

Chief of Engineers

CO

Colorado

COO

Combined obstacle overlay

CONPLAN

Contingency plan

CONUS

Continental United States

CONUSA

Continental United States Army

CSES

Corps Staff Engineer Section

CT

Connecticut

DA

Department of the Army

DCSINT

Deputy Chief of Staff for Intelligence

DCSOPS

Deputy Chief of Staff for Operations and Plans

DCSPER

Deputy Chief of Staff for Personnel

DE

Delaware

DEH

Directorate of Engineering and Housing

DIA

Defense Intelligence Agency

DISCOM

Division Support Command

DLA

Defense Logistics Agency

DMACSC

Defense Mapping Agency Combat Support Center

DMS

Defense Mapping School

DOD

Department of Defense

DODAAC

Department of Defense Activity Address Code

DOL

Directorate of Logistics

DPW

Directorate of Public Works

DRMO

Defense Reutilization and Marketing Office

DS

Direct support

DTD

Digital Topographic Data

DTED

Digital terrain evaluation data

EDC

EROS Data Center

EROS

Environmental Resources and Services

EVC

Evasion chart

FATSP

FORSCOM Aviation Topographic Support Program

FL

Florida

FLIP

Flight Information Publication

FORSCOM

United States Army Forces Command

FSB

Field Support Battalion

FUE

First unit equipped

GA

Georgia

GAZ

Gazetteer

GNC

Global Navigation Chart

GPS

Global Positioning System

GS

General support

GSA

General Services Administration

HI

Hawaii

HQDA

Headquarters, Department of the Army

IA

Iowa

ID

Idaho

IL

Illinois

IN

Indiana

IPB

Intelligence Preparation of the Battlefield

ITAC

Intelligence and Threat Analysis Center

JCS

Joint Chiefs of Staff

JNC

Jet Navigation Chart

JOG-A

Joint Operations Graphic-Air

JSPD

Joint Strategic Planning Document

KS

Kansas

KY

Kentucky

LA

Louisiana

LANDSAT

United States Satellite System

LOC

Line of communications

LOS

Line of sight

MA

Massachusetts

MACOM

Major Army command

MC&G

Mapping, charting and geodesy

MCR

Military civilian road

MD

Maryland

ME

Maine

MGI/MGD

Military geographic information/military geographic documentation

MGRS

Military grid reference system

MI

Michigan

MO

Missouri

MOA

Memorandum of Agreement

MOS

Military Occupational Specialty

MOUT

Military Operations in terrain

MS

Mississippi

MSB

Main Support Battalion

MSC

Major Subordinate Command

MSI

Multispectral Imagery

MT

Montana

MTT

Mobile training teams

NAS

Naval Air Station

NATO

North Atlantic Treaty Organization

NC

North Carolina

ND

North Dakota

NE

Nebraska

NEO

Non-combat evacuation operations

NH

New Hampshire

NIMA

National Imagery and Mapping Agency

NIP

Not In Production

NJ

New Jersey

NM

New Mexico

NOAA

National Oceanic and Atmospheric Administration

NSN

National Stock Number

NV

Nevada

NY

New York

OIC

Officer in Charge

OH
Ohio

ONC
Operational navigation chart

OPLAN
Operations plan

OPORD
Operational Order

OR
Oregon

PA
Pennsylvania

P&C
Planning and Control

PLGR
Precision Lightweight Global Positioning System Receiver

POC
Point of Contact

POM
Program Objective Memorandum

RI
Rhode Island

R&B
Road and bridge

RDT&E
Research, development, test and evaluation

SARSS-O
Standard Army Retail Supply System-Objective

SCI
Special compartmented information

SIOP

Special Intelligence Operations

SPOT

French Satellite System

SRC

System requirements code

STARTEX

Start of exercise

STB

Special troops battalion

TAIDB

Terrain Analysis Information Database

TEC

United States Army Topographic Engineering Center

TL

Trig list

TLM

Topographic Line Map

TN

Tennessee

TPC

Tactical Pilotage Chart

TPFDL

Time Phased Force Deployment List

TX

Texas

UBL

Unit Basic Load

USAASO

U. S. Army Aeronautical Services Offices

USGS

U. S. Geological Survey

UT

Utah

UTM

Universal Transverse Mercator

VA

Virginia

WA

Washington

WGRS

World geodetic reference system

WGS 84

World Geodetic Survey 1984

WRS

War Reserve Stocks

WY

Wyoming

4th CMMC

4th Corps Materiel Management Center

13th COSCOM

13th Corps Support Command

64th CSG

64th Corps Support Group

132nd EN Det (P&C)

132nd Engineering Detachment (P&C)

289th GS Supply Co.

289th General Support Supply Company

289th QM Co

289th Quartermaster Company

555th EN Co (TOPO)

555th Engineering Company (Topographic)

Section II

Terms

This section not used