

**Training**  
**TRAINING AT THE NATIONAL TRAINING CENTER**

**History.** This regulation supersedes FORSCOM Regulation 350-50-1, dated 31 March 1998.

**Summary.** This regulation outlines the National Training Center (NTC) training program, Opposing Force (OPFOR) augmentation, NTC Leader Training Program (LTP), FORSCOM Leadership Development Program (FLDP), Theater Opening Force Module (TOFM) Program, Reserve Component (RC) Direct Support and General Support (DS/GS) Maintenance Program, and prescribes FORSCOM policies, objectives, and responsibilities for Active Component (AC) and Reserve Component (RC) units deploying to the NTC for training.

**Changes.** Changes to this regulation are not official unless authenticated by the Assistant Deputy Chief of Staff, G6, FORSCOM.

**Suggested improvements.** The proponent of this regulation is the Deputy Chief of Staff, G3. Users are invited to send comments and suggestions on DA Form 2028 (Recommended Changes to Publications

and Blank Forms) to CDR, US Army Forces Command, AFOP-TRC, 1777 Hardee Avenue, SW, Fort McPherson, GA 30330-1062.

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**CHAPTER 1**  
*General Information*

**1-1. Purpose**

The purpose of this regulation is to assign responsibilities for National Training Center (NTC) activities, provide management controls and prescribe policies for units training at the NTC.

**1-2. Required References**

a. Army Regulation 350-50, Combat Training Center Program (CTC) (cited in paragraph 2-2a)

b. Department of the Army Pamphlet 25-7, Joint User Handbook for Message preparation (cited in paragraph 3-2e)

c. Field Manual 14-7 Finance Operations (cited in paragraph G-15)

d. Field Manual 71-3, (cited in para 1-3(a.)

e. Forces Command/ARNG/USAR Regulation 350-2 (cited in para 1-3e)

**1-3. General**

a. The NTC provides an extensive training system composed of a well-trained OPFOR, skilled observer controllers (OCs), large land areas,

unrestricted ranges, fully instrumented battlefield, and extensive logistics missions. Training at the NTC is an intensive teaching and performance experience designed to refine and standardize execution of battlefield tasks. Rotational forces train using assets that are doctrinally present when conducting operations as part of a brigade deployed in an operational combat theater, being assigned missions as a division's supporting effort. The rotational unit's assets must include its normally expected corps and division support slice necessary to support the brigade operation as part of a division or corps. The CS and CSS assets provide support to the brigade according to standard command and support relationships, per FM 71-3. The training provides a unique opportunity for combined-arms task forces and armored cavalry regiments to reinforce their mission essential task list (METL) training conducted at home station. The NTC represents the Army's investment in developing leaders who understand appropriate doctrine, tactics, techniques, and procedures. Leaders learn the importance of training in individual and collective tasks, and develop training concepts and ideas that make subsequent training more effective. Units will continue to perform their principal training effort at home station.

b. Responsibility for achieving training objectives at the NTC rests with the unit chain of command. Corps and division commanders will give personal attention to the integration of the NTC experience into overall training programs.

c. The NTC observations and take home packages provide training tools for the chain of command to refine home station individual and unit training programs. Important by-products of these observations are lessons learned, which are disseminated throughout the Army.

d. Selected FORSCOM AC heavy maneuver battalions, attack helicopter battalions, armored cavalry regiments, and division cavalry squadrons will have the opportunity to conduct a NTC rotation once every two years. Selected light battalions will train at the NTC in conjunction with a heavy force to meet light force Combat Training Center (CTC) throughput goals, and provide additional mixed mobility and joint training.

e. Reserve Component units will participate in selected training events at the NTC IAW the requirements outlined in FORSCOM/USAR/ARNG Regulation 350-2, Reserve Component Training in America's Army. ARNG conducts one enhanced Separate Brigade (ESB) NTC rotation per year and are encouraged to take advantage of other rotational training events.

f. Forces Command is responsible for managing CONUS CTC schedules so that throughput is achieved. Scheduling is accomplished at semi-annual World Wide Training and Scheduling Conference in the second and fourth quarters, which involve all CONUS CTCs, Corps headquarters, CONUSAs, USASOC, NGB, USARC, and all participating MACOMs. The NTC scheduling must accommodate other training events. In order of priority they are: the JCS exercise schedule, BCTP, and USJFCOM Tier III exercises.

#### **1-4. Mission**

The mission of the NTC is to provide realistic joint and combined arms training focused at the battalion and brigade level, to assist commanders in developing trained, competent leaders and soldiers while preparing units for success on the modern battlefield. Maintain a safe environment and quality of life for all soldiers and their families. Keep pace with Army transformation. Additionally, the NTC is a source of experience-based information and data essential to improving the force.

#### **1-5. Standards of Proficiency for Rotational Units**

a. Prior to arriving at the NTC, units must achieve the following levels of training proficiency before deployment.

(1) Leader training.

(a) AC rotational units are required to participate in the NTC Leader Training Program (LTP) approximately 120 days prior to their scheduled rotation. Program is outlined in **Appendix B**.

(b) Units must conduct a brigade fire coordination exercise to platoon leader level, within 6 months of deployment. *For the ARNG, within 1 year of the rotation.*

(c) Units will conduct two leadership seminars at home station prior to deployment to the NTC as part of the FORSCOM Leadership Development Program.

(2) Maintenance training. Preventive maintenance checks and services (PMCS) and effective repair parts supply in a tactical environment are key elements of pre-rotation training. Units must deploy to the NTC with sufficient numbers and skill sets of maintenance and supply personnel to perform maintenance to standard from day one of RSOI through last outload and equipment turn-in.

(3) Individual and Crew-served weapons qualifications.

(a) All soldiers who will fire their individual weapon during live fire must qualify with their weapon within (6)/months of their NTC rotation. Qualification must be IAW STRAC and the appropriate weapon TM/FM.

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(b) Claymore Mines. Soldiers must conduct training on employing, arming and disarming claymore mines IAW the Soldiers Manual of Common Tasks (SMCT) within (6)/months of the NTC rotation. Each squad must emplace, arm and fire a live claymore mine to standard (ARTEP 7-8 MTP) during a squad or platoon LFX within (3) months prior to executing NTC live fire.

(c) Hand grenades. Soldiers must negotiate a hand grenade course within (6)/months IAW FM 23-30 and throw a live hand grenade within (1) year.

(d) Demolition. Training with live mines, demolition munitions, MICLICs and bangalore torpedoes must be conducted within (12) months of the NTC rotation IAW the appropriate weapon system TM.

(e) Crew served weapons (M60, M240, M2 .50 cal). All crews must qualify with their weapons within (6) months of the NTC rotation IAW the appropriate FM. Live fire familiarization must be conducted if the crew served weapon is fired from vehicular mount, and the weapon qualification was conducted using a tripod. Live fire familiarization can be conducted at the NTC prior to live fire missions, if required. In offensive live fire missions at the NTC, only stabilized platforms (M1/M2) can fire while moving. All crew served weapons must conduct test fire/head space and timing procedures IAW their respective TM/FM prior to conducting live fire missions. This can be conducted during RSOI or live fire transition prior to the first live fire mission.

(f) M1/M2. Crews for M1 and M2 require gunner and TC/BC stabilization since their last Table VIII qualification gunnery. All other crewmembers must be weapons system qualified by MOS and TCGST/BCBST within (6) months prior to the NTC rotation. Units must qualify tank crews through the completion of an Intermediate Qualification Course (Table VIII) within (6) months prior to the NTC rotation. M2 crews must complete the Vehicle Team Qualification Course (Table VIII) within (6) months of the NTC rotation. Army Reserve National Guard units will complete Table VIII qualification within (1) year of their NTC rotation.

(g) Infantry Squad and Platoon Dismounted Missions. Units must complete squad or platoon level live fire training IAW DA PAM 350-38 (STRAC) within (6) months of the NTC rotation. Infantry units who will clear trenches and bunkers during live fire missions at the NTC must complete the following drills from ARTEP 7-8 DRILL:

- 1 (Platoon dismounted attack)
- 1a (Squad dismounted attack)
- 5 (Knock out a bunker)

7 (Clear a trench)

8 (Conduct initial breach)

(h) Mortars. Ninety percent of all squad leaders, gunners and assistant gunners must pass the mortar gunner's examination with a minimum score of 70% in each event. Ninety percent of all section leaders, squad leaders and FDC personnel must pass the FDC examination within (6) months of the NTC rotation. All mortar sections/platoons must complete an external evaluation to ARTEP 7-90 drill standards as part of a company/battalion FTX within (6) months of the NTC rotation.

Minimum manning for mortar crews:

60mm – 3 (2 must be MOS 11C). If the systems are consolidated then 2 soldiers per system with a NCOIC section leader.

81mm, 4.2 and 120mm - 4 (3 must be MOS 11C).

FDC (81mm, 4.2 and 120mm) – 4 (3 must be MOS 11C).

(i) Artillery. Each platoon, battery and battalion must live fire 80% of their METL related fire missions to ARTEP/MTP standards twice annually. Safety certification is based on ARTEP and appropriate FM standards.

Manning requirements:

M119 – 5 soldier crew

M198 – 7 soldier crew

M109A3-A5 – 5 soldier crew

M109A6 – 6 soldier crew

MLRS/HIMARS – 2 soldier crew

FDC (all) – 4 soldier crew

(4) Attack/Cavalry helicopter crew training.

(a) Crews must be aerial gunnery qualified IAW FM 1-140 (Table VIII) within (12) months prior to the NTC rotation.

(b) Crews conducting live fire at the NTC must participate in a collective live fire exercise equivalent to FM 1-140 Table X or Table XII within (6) months of the NTC rotation.

(c) Prior to deployment, crews must complete refresher training on all weapons systems. All aviation units will conduct mountain and desert flight techniques briefings.

(d) Aviation live fire requirements are further addressed in **Appendix F**.

(5) All soldiers forward of the Brigade rear boundary will be qualified on their individual assigned weapons IAW STRAC.

(6) Multiple Integrated Laser Engagement System (MILES). Units will train on the installation, operation, troubleshooting, and maintenance of

MILES II SAWE within 90 days of deployment (180 days for ARNG). Mobile training teams are available to conduct MILES II SAWE training at the unit's location. Direct coordination with NTC G3 is recommended. Rotational unit is responsible for paying for the additional cost.

(7) Field Sanitation. Conduct training and exercise field sanitation at all levels prior to and during NTC rotations.

(8) Combat Service Support (CSS) Training. The CSS units are task organized to provide dedicated and habitual support to ROTATIONAL BRIGADES as well as area support. The CSS units and applicable elements of the brigade combat team will conduct field training at all levels within 6 months of deployment (1 year for ARNG).

(9) Safety. Safety and Risk Management Assessment will be integrated into all aspects of training and preparation for the NTC. Risk assessments will be completed down to platoon level for all missions (**See Appendix O**).

(10) Prior to deployment to the NTC, all Air Traffic Services (ATS) personnel will complete the qualification phase of the Tactical Air Traffic Controller's Qualification and Rating Program IAW FM 1-303. A minimum of three personnel will complete phase two of the tactical Air Traffic Controller's Qualification and Rating Program. Additionally, the ATS support package will include one tactical ATCS examiner appointed by USAATCA IAW AR 95-2. The platoon providing the Air Traffic Services will complete an externally evaluated exercise within 12 months preceding the deployment to the National Training Center.

(11) Fratricide. Review videotape number 709861DA, TVT 20-988.

(12) Environmental Awareness. Environmental awareness will be integrated into all aspects of training and preparation for the NTC. All soldiers will be familiar with the environmental and archeological restrictions applicable at the NTC.

(13) Pyrotechnics and Unexploded Ordnance. Review videotape 709919 "Danger UXO" and 707508 "Pyrotechnics Beware." Also complete individual soldiers training on the Common Tasks listed below for all soldiers.

(a) Identification of UXO, STP 21-1-SMCT, task number 093-401-5000.

(b) Recognize Military Ordnance by Type, STP 21-24-SMCT, task number 093-403-5010.

(c) Take Immediate Action Based on Confirmation of an Explosive Hazard, STP 21-24, task number 093-404-5020.

(d) Report Explosive Hazard, STP 21-24-SMCT, task number 093-403-5030.

b. These requirements represent the minimum standards of proficiency that must be met prior to arriving at the NTC. Unit commanders may increase these standards if they deem it appropriate based on their evaluation of unit proficiency, risk assessment, and resources available.

## **CHAPTER 2**

### ***Responsibilities***

#### **2-1. Headquarters, FORSCOM Responsibilities**

a. Command and control the NTC.

b. Schedule units through their respective headquarters in support of throughput requirements. (**See Appendix M** for more detail)

(1) Schedule AC units through their respective corps in two-year cycles to support throughput goals.

(2) Schedule RC units through their respective headquarters (ARNG or USARC) and as directed by DA in support of training requirements. Forces Command will allocate one NTC rotation per year for ARNG enhanced Separate Brigades.

(a) Schedule Theater Opening Force Module (TOFM) rotations for RC CS/CSS units IAW FORSCOM/ARNG/USAR Regulation 350-2 through RC MACOM (NGB or USARC). (**See Appendix P**)

(b) Assist in the coordination of RC maintenance units as part of the RC maintenance-training program.

(3) Current rotational schedules can be obtained via internet web site (<https://freddie.forscom.army.mil/ctc>) or calling DSN 367-5498/5897 or commercial (404) 464-5498/5897.

(a) When requested by corps, identify and task forces to augment training units when training units do not have required resources. Resources, where possible, must include the doctrinal slice assets normally expected for a SUPPORTING EFFORT BRIGADE deployment.

(b) Authorize ammunition for AC/RC unit use at the NTC. Training units will not augment these authorizations except for items specifically identified by FORSCOM, AFOP-TSD (Training Ammunition).

(c) Provide funds to NTC within overall FORSCOM funding constraints and priorities for CTC Program training events approved by the Council of Colonels and Training and Leader Development General Officer Steering Committee (T/LGOSC), including direct costs for the NTC Prepositioned Fleet, at the beginning of each fiscal year.

(d) Maintain NTC officer, warrant officer, and enlisted manning to the levels required by HQDA personnel policy and specific guidance from Commanding General (CG), FORSCOM.

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(e) Provide transportation and operating funds to FORSCOM training units for home station equipment and RC units supporting Active Army rotations. Funding is based on the rotational requirements outlined in **Appendixes A, B, D, F, and H**.

(f) Allocate and schedule other-than-rotational unit training (LTP, FLDP, TOFM, DS/GS Maintenance, and OPFOR augmentation) (see **Appendix B** for LTP and **Appendix C** for OPFOR). Includes the scheduling of ARNG units for LTP and OPFOR augmentation.

(g) Identify requirements for Foreign Material for Training (FMT) and coordinate the acquisitions of FMT.

(h) Control and coordinate access of visitors to the NTC.

(i) Task augmentee O/Cs for requirements in excess of NTC Operations Group TDA and the approved standard troop list template as designated in **Appendixes A, F and N**.

(j) Cosponsor with TRADOC an annual review of the Table of Distribution Allowances (TDA) and the troop list to reconcile the two documents.

(k) Approve the troop list not later than 120 days prior to the rotation for active army units and transmit an approval message to the appropriate Corps and NTC. For ARNG ESBs, provide a supportability statement and recommendation to the Director, ARNG for each exception to the troop list NLT 150 days prior to the rotation.

(l) Serve as the proponent for the repositioned equipment fleet.

(m) Provide the ARNG ESB aligned active component Division Commanders the unit assessment timeline and matrix to allow for assessment 2 years prior to scheduled NTC rotation followed by a review of training 1 year prior. Coordinate the Separate Brigade assessment so the unit state Adjutant General can make a timely decision on the unit's participation in the rotation.

### **2-2. TRADOC Responsibilities**

a. In accordance with AR 350-50, plan, establish, support, and maintain a realistic combat tasks, conditions, and standards environment at the NTC, to include brigade level task organized live fire and engagement simulation in accordance with established training objectives and prepared scenario events.

b. Plan, establish, support, maintain and upgrade NTC instrumentation.

c. Provide guidelines to Commander, NTC, in matters related to doctrine, realistic conditions for training, objective standards for operation and

maintenance of instrumentation. Assist in assessment of critical tasks trained.

d. Maintain current threat- capabilities- based doctrine for the NTC OPFOR. Identify changes in threat organization, equipment, and capabilities, and coordinate the appropriate changes in visual-modification (VISMOD) kits for OPFOR vehicles and kill capabilities for MILES devices.

e. Develop threat-based unit training tasks, conditions, standards and evaluation criteria for use at the NTC.

f. Provide equipment for the NTC Operations Group. Provide and staff an Operations Group to a level that supports the standard, limited conversion design (LCD), troop list outlined in **Appendixes A and F**. The Operations Group will:

(1) Monitor, control, record, provide feedback, and train brigade-size organizations, focusing on the battalion task force.

(2) Provide and fund OCs to 100% percent of the required strength of the approved NTC Operations Group TDA.

(3) Operate and maintain the NTC instrumentation system.

(4) Provide the division tactical headquarters (notional 52d ID) for units deployed to and training at the NTC.

(5) Develop training scenarios for the training of brigade and battalion task forces based on the METL and training objectives provided by units.

(6) Maintain internal administrative support and resource management offices.

g. Based on doctrinal lessons learned, provide refinement of tasks, conditions and standards to the Army. Receive and analyze NTC data on unit performance. Maintain the NTC database. Develop and disseminate lessons learned Army wide through electronic data transfer, e-mail, home page, diskettes and CD ROMs.

h. Co-sponsor with FORSCOM an annual review of the TDA and the troop list to reconcile the two documents.

i. Provide OC augmentation to fill shortfalls in the Operations Group TDA. Provide FORSCOM (AFOP-TRC) with a list of potential OC pass backs NLT D-150. Provide NTC Operations Group with a list of augmentee OCs by name NLT D-90.

### **2-3. Chief, National Guard Bureau Responsibilities**

a. Select 5 ARNG engineer companies to augment the OPFOR annually. Fund all Class IX costs for these units.

b. Select 21 ARNG infantry companies to augment the OPFOR annually.

c. Select 10 ARNG 155 SP artillery batteries to augment the OPFOR annually.

d. Select 10 ARNG reinforcing artillery battalion O&I sections to augment the OPFOR annually.

e. Select 10 ARNG 120mm mortar platoons to augment the OPFOR annually.

f. Select ARNG units to participate in 3-day LTP sessions. Fund all transportation and operational costs associated with this training.

g. Select ARNG enhanced Separate Brigades for attendance at a 6-day LTP during the year of execution for a NTC rotation. Fund all transportation and operational costs associated with this training.

h. Select one ARNG enhanced Separate Brigade to conduct NTC rotation each year. Fund all transportation and operational costs associated with this training, including transportation and direct OPTEMPO costs for Active Army and USAR units supporting the rotational unit.

i. Coordinate the enhanced Separate Brigade assessment process 2 years prior to scheduled NTC rotation so the unit state Adjutant General can make a timely decision on the units participation in the rotation.

j. Schedule Theater Opening Force Module (TOFM) rotations for ARNG CS/CSS units (see **Appendix P**). Provide transportation and operating funds to Army National Guard training units.

k. Select a minimum of seven general support (GS) and seven direct support (DS) maintenance units as part of the DS/GS maintenance company training cycles annually.

l. Approve ARNG troop lists, in coordination with the state Adjutant General (TAG), not later than 120 days prior to the rotation and transmit an approval message to the appropriate state TAG, NTC and FORSCOM. Approve Integrated Division ESB troop lists in coordination with the Integrated Division Commander and TAG.

m. Select Observer/Controller Augmentees to participate in 8-day OC Academy to augment NTC Operations Group for ESB rotations. Submit list to FORSCOM, AFOP-TRC, NLT 180 days prior to the start of the rotation.

n. Select available units, when requested, to augment Active Army rotational units when units do not have required doctrinal slice assets required by the troop list template.

#### **2-4. Commander, USARC Responsibilities**

a. Select USAR units to augment BLUFOR brigade combat teams during NTC rotations as required. Monitor USAR participation in training at NTC.

b. Select units to participate in 2 Theater Opening Force Module (TOFM) rotations for RC CS/CSS units annually. (See **Appendix P**)

c. Select 3 direct support and 3 general support maintenance companies to participate in the DS/GS maintenance company training cycles annually.

d. Select 3 USAR engineer units to augment the OPFOR annually.

e. Provide OC augmentation **I AW Appendix A, F and P** as required. Provide list of OC augmentee names NLT 120 days prior to rotation to both NTC Operations Group and FORSCOM, AFOP-TRC.

f. Provide transportation and operating funds to Army Reserve training units executing TOFM and DS/GS maintenance rotations. Funding is based on the standard troop list in **Appendix P**.

g. Select, schedule and fund man-days for USAR units augmenting the rotational BCT or performing the OPFOR mission. Deployment costs are funded by the CTC Program.

#### **2-5. Commander, CONUSAs Responsibilities**

a. Monitor and assist in scheduling of all Reserve Component training at the National Training Center in coordination with NGB, USARC, and FORSCOM.

b. Select Observer/Controller Augmentees to participate in 8-day OC Academy to augment NTC Operations Group for ESB rotations. Submit list to FORSCOM, AFOP-TRC, NLT 120 days prior to the start of the rotation.

#### **2-6. Commander, NTC Responsibilities**

a. Command the NTC.

b. Organize, train, and equip all assigned and attached units and individuals to perform assigned missions in support of approved training events. Provide higher headquarters (notional 52d ID) for the training rotational units.

c. Develop training scenarios for the training brigade and battalion task forces based on wartime METL and training objectives provided by units. Establish and publish training rules of engagement (ROE).

d. Manage and operate all on-site NTC activities.

e. Provide logistical and administrative support within resource limits.

f. When requested by training unit, approve, coordinate, and support pre-rotation visits on a case by case basis, to include observation of training and after action reviews (AARs) on a non-interference basis. The LTP is designed to meet this requirement. (see **Appendix B**)

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g. Forecast, requisition, store, and utilize ammunition according to STRAC.

h. Provide feedback on tactical and logistical lessons learned to HQ, FORSCOM and HQ, TRADOC, without identifying the training unit.

i. Provide aviation support for the NTC Operations Group.

j. Establish regulations/Standing Operating Procedures (SOPs) for unit training and activities at the NTC. Address safety, training procedures, logistical support procedures, available resources, environmental considerations, RSOI and regeneration (includes issue and turn in of equipment, and usage of supplies by the training unit).

k. Provide comments on supportability of Active Army rotational unit's proposed troop list to CDR, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, NLT 150 days prior to rotation start date (270 days for ARNG ESBs).

l. Train and resource the OPFOR to doctrinally replicate a threat force and to rigorously oppose the training unit through a free play force-on-force exercise.

m. Provide message to HQ, FORSCOM and TRADOC, NLT than 150 days prior to rotation requesting OC augmentees by position. For ARNG ESB rotations, provide message to HQ, FORSCOM NLT 270 days prior to the rotation.

n. Ensure that only authorized units and approved exceptions to the troop list are allowed to maneuver at the NTC. If units deploy with unauthorized units or equipment, immediately inform FORSCOM, G3.

o. Conduct Media on the Battlefield training for rotational units and RC Public Affairs Detachments (PADs).

p. Provide deployment instructions to the rotational brigade.

(1) The 52d Division (NTC Operations Group) will issue alert orders, deployment orders, WARNORDs and/or FRAGOs according to rotational scenario requirements.

(2) The Commander, Theater Support Command (TSC) will provide support requirements, theater logistic support SOPs, prepositioned equipment draw procedures and CAPE IRWIN battle-book. For ARNG ESB rotations, coordinate all logistics requirements through the ESB's parent state G-4.

q. Provide the rotational unit and supporting slice MIPR for Class IX prepo parts based on projected draw grid 30 days prior to the rotation with the exception of ARNG units.

r. Develop and maintain a rotational unit survey to acquire unit input on NTC installation

support of the rotational unit. The survey will be provided to the rotational unit commanders during the commander's in brief and turned into HQ NTC during the out-brief following the rotation.

s. Provide billeting and mess support to DTOC augmentees.

t. Provide troop list supportability to FORSCOM G3, AFOP-TRC, NLT D-150.

### **2-7. Corps Responsibilities**

a. Schedule subordinate units for NTC training in coordination with HQ, FORSCOM. The goal is for subordinate combat maneuver battalion, attack aviation battalion, division cavalry squadron, and ACR squadron commanders to complete a CTC rotation once during a command tour.

b. Train units to the highest achievable standards of proficiency prior to rotations.

c. Ensure units comply with the troop lists prescribed in **Appendixes A and F**.

d. Approve unit training objectives NLT 210 days prior to rotation (D-210).

e. Submit the final unit troop list, troop list exceptions, and rotational unit worksheet (1060-R) to CDR, FORSCOM, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, for final approval NLT 180 days prior to rotation start date. Ensure subordinate units meet all troop list and mission letter suspense outlined in this chapter.

f. Provide or coordinate for all required OC augmentation that exceeds the capabilities of the Operations Group authorized TDA and IAW **Appendixes A, F, and P**. Provide list of augmentee OCs by name NLT 90 days prior to rotation to NTC Operations Group, ATTN: ATXY-P.

### **2-8. Division/Armored Cavalry Regiment/ARNG enhanced Separate Brigade Responsibilities**

a. The rotational brigade's parent division, regiment or integrated division or state headquarters (for ESBs) will provide a memorandum through Commander, FORSCOM to NTC G3, Plans and Operations Division with the approved training objectives, unit METL, draft task organization, and basic scenario desires NLT D-210 (D-2 years for ESBs) to allow creation of initial scenario models and proposals. The World Wide Training and Scheduling Conference (WWTSC) will address, identify and resource slice support (EAB) requirements the dual/split base brigades require for combat support and service support operations.

b. Submit draft troop list, troop list exceptions, rotational unit worksheet (1060R) and transportation requirements through their parent Corps to FORSCOM (AFOP-TRC) and NTC NLT D-180 (D-540 for ESBs).



c. Submit final troop list with all exceptions, endorsed by parent division, to Corps and NTC NLT D-180. The ARNG ESBs submit troop list with all exceptions endorsed by TAG, NGB, and Integrated Division Commander (for integrated division ESBs) through FORSCOM to NTC NLT D-360.

d. Conduct on-site visits to the NTC IAW **Appendix L**. Units are encouraged to maximize available time during their Leader Training Program session.

e. Manage transportation and operating funds within approved FORSCOM authorizations and associated funding. Ensure that only authorized units, including personnel and equipment, or specific exceptions, approved by FORSCOM, are deployed to the NTC.

f. Program and budget flying hours in support of training.

g. Coordinate air, rail (including storage of empty rail cars), and motor transportation of equipment and personnel including organic and non-organic units.

h. Provide, or coordinate for, weather personnel support IAW **Appendix D**.

i. Submit unit worksheet and AAR IAW **Appendix E**.

j. Provide aviation support IAW **Appendix F**.

k. Ensure subordinate units and individuals account for, care, and safeguard NTC property.

l. Units deployed to the NTC for rotational training are required to have their Present Geographic Location Code (PREGO) in the SORTS database updated IAW FORSCOM Regulation 525-3. The correct geographic location code for the NTC is "HFZX." Units are required to update their PREGO upon return to home station.

m. Provide OC Augmentation as directed by FORSCOM IAW **Appendixes A, F, and N**.

n. The corps/division providing the light task force for a heavy/light rotation is responsible for providing the assault helicopter company and AVIM section, within operational and organizational constraints. The heavy force provides the command and general support helicopters.

o. Accept NTC MIPR for Class IX prep parts based on projected grid draw 30 days prior to the rotation.

p. Ensure commanders review and complete the NTC rotational unit survey provided by NTC during the commander's in-brief. Surveys are to be turned in prior to redeployment to HQ NTC G3, Bldg 237.

q. Units must coordinate Radio Frequency emitter usage with HQ, NTC G3, Spectrum Management Division to minimize harmful

interference with DOD, State of California and other Public agencies.

r. More organic unit equipment will deploy to the NTC from home station and participate in the rotational training based on decisions to ensure soldiers do not train down. Units must identify any equipment exceptions and associated railcar requirements above template authorizations documented in Paragraph 3-5 and in Appendix A, as part of the troop list approval process. Sustaining the readiness of the home station fleets and expediting the regeneration of this equipment to full readiness standards, post rotation is an essential goal of every rotation. The regeneration policies are established in Paragraph 3-6h to ensure success of this effort.

## **CHAPTER 3**

### ***Operational Procedures***

#### **3-1. General**

a. Units deploy to the NTC to train against an OPFOR in force-on-force training (FFT) using MILES and to conduct live fire training (LFT) using realistic target arrays. Training units conduct LFT within a pre-designated area where remotely controlled targets portray elements of a motorized rifle regiment (MRR) in both offensive and defensive scenarios. Feedback to the training brigade, squadron/battalion task force and supporting slice elements is in the form of detailed AARs following each mission, a comprehensive AAR following the total training period, and a take-home package designed to assist the commander in refining and improving home station training. The NTC will provide AARs to all other training units as often as resources permit but not less than twice per rotation.

b. Administrative support and logistical procedures are contained in **Appendixes G and H**, respectively.

c. Weapons and support systems without MILES capabilities (to kill or be killed) will not deploy to NTC. Forces Command will approve individual waivers on a case-by-case basis. Waivers should be addressed to HQ, FORSCOM, 1777 Hardee Avenue, SW ATTN: AFOP-TRC Fort McPherson, GA 30330-1062 for Chief of Staff FORSCOM approval.

#### **3-2. Training Unit**

a. The training commander will task organize his unit based on the standard troop list shown in **Appendixes A and F**. The corps headquarters will review, recommend approval, and forward the proposed troop list to Cdr, FORSCOM, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. Items requested for troop list

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exception approval that are disapproved at Corps or lower level will not be considered by FORSCOM and are disapproved. The final troop list should arrive at FORSCOM for approval NLT 180 days prior to the start of rotation. Forces Command, with input from NTC, will approve the troop list NLT D-150. The approved troop list must be rigidly adhered to because the NTC Operations Group is structured and resourced to provide training observation and feedback for units configured IAW **Appendixes A, F, N, and P**.

b. Units unable to meet minimum task organization requirements will request additional training resources from their parent Corps. Corps unable to fill augmentation requests will send request for assistance to CDR, FORSCOM, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, NLT D-180.

c. If the training units approved troop list exceeds the standard troop list (**Appendixes A, F, and P**), the Corps must supply and fund O/C augmentees to the Operations Group. Training and Doctrine Command will fill and fund any TDA authorized OC shortfalls. Individuals selected to serve as OC augmentees will arrive at the NTC NLT D-30 to participate in the Observer Controller Academy under the control of the Operations Group. If the soldier is qualified as an OC, attending the OCA within the previous two years from the required rotation, the soldier may arrive at the NTC NLT D-5 days. The NTC will notify FORSCOM (AFOP-TRC) and the rotational division G3 of the FORSCOM OC augmentation requirements NLT D-150.

d. Forces Command augmentee OCs must plan and provide for their own equipment. The NTC has 50 HMMWVs available for draw by OC augmentees. Any additional HMMWVs required will be the unit's responsibility to transport to the NTC. The NTC Theater Support Command (NTC TSC) is the point of contact for coordinating contractual maintenance support. The TRADOC augmentee OCs will be funded by TRADOC and supported through the Operations Group. All OC augmentees will be provided billeting while at NTC, either under field conditions (while observing training) or in garrison (between rotation training). Augmentees will be funded for meals (at standard military meal rate) and incidentals while at NTC.

e. Units participating in NTC training will use procedures for voice and recorded messages IAW applicable format in DA Pam 25-7, Joint User Handbook for Message Text Formats.

f. Units will provide the information listed in the NTC Rotational Unit Worksheet (1060-R) to NTC G3 Plans and Operations, Room 14, Bldg 237 (Post HQ, NTC) as follows: D-180 initial draft; and

the final before the first day of training (D-Day). The NTC will immediately forward this information to CDR, FORSCOM, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. Active component units will complete and submit a rotation worksheet and after action report NLT 60 days after the main body departs (C+88). The RC will provide an AAR within 90 days after the rotation.

g. To assist units in preparing for and executing NTC training, **Appendix I** contains a Unit Planning and Training Sequence and **Appendix J** contains a point of contact (POC) list.

h. The training brigade commander will present a short (20-30 minute) overview of training status to the Commanding General, NTC. The briefing will cover their METL, significant problems or special concerns, techniques of train-up, goals and expectations, and brigade modernization. Briefing will take place between D-7 and D-1.

i. Battalion task force commanders will brief their senior OCs daily on their combat power, vehicle deadline status, significant equipment shortages, tank roller/plows status, and Class V issues during RSOI.

j. The approved uniform for rotational blue force units is the standard issue Battle Dress Uniform (BDU) with appropriate field gear per unit SOP. All units participating as blue force will wear BDUs.

k. Rotational units will ensure female soldiers are screened for pregnancy immediately prior to departing for the NTC. Any pregnant soldier, or a soldier taking insulin, coumadin or any anti-neoplastic medication will not deploy to the NTC. P3 profiles must be reviewed by the rotational Brigade Surgeon to ensure the soldier is able to perform their combat mission at the NTC.

### **3-3. NTC Regulations/Standing Operating Procedures/(SOPs)**

The Commander, NTC, will publish regulations and SOPs detailing NTC operations and procedures. These directives apply to all units training at the NTC to ensure safe and effective training, objective standards, realistic casualty assessments, adequate support resources, and efficient operation of the NTC and Fort Irwin. The NTC will provide the training unit copies of the above in a pre-deployment package 210 days prior to the rotation start date. This includes the (ROE). Each NTC activity, which provides the rotational unit with reimbursable supplies and/or services, will publish a detailed explanation of the billing methods used.

**3-4. Funding**

a. Forces Command allocates funds for the deployment cost of NTC rotations in accordance with the Troop List Templates at **Appendix A**. The Troop List Template represents the maximum task organization authorized for a given training unit. The FORSCOM Issue Code "MAT" allocations will fund this Troop List Template within FY resource availability. Funds provided to units for rotational training represent maximum distribution of available funds. Exceeding allocations provided will require units to fund excess costs from Issue Code "MAD," Home Station Training. Forces Command does not fund exceptions or enhancements to the troop list.

b. Pre-deployment, scheduled train-up events, and recovery costs are not funded through the Issue Code MAT. Units fund these costs from Issue Code MAD, Home Station Training.

c. Required Rotational Unit Actions

(1) Obtain unique Class IX Exercise DODAACs for every FORSCOM unit and supporting slice and provide to the MMC SPO NLT 60 days prior to early draw. The ARNG rotations will continue to use NTC provided RED DODAACs while changing TAC1 and TAC3 addresses via LOGSA. It is the training unit's responsibility to coordinate and synchronize with supporting slice elements NLT D-90 days. Training units and supporting slice units use their Exercise DODAACs with home station APC to order parts for both home station and prepo fleet equipment. Home station is direct billed for all costs. Rotational supporting slice units will also be direct billed to their home station. The ARNG rotations will be the same as all other rotations (less the MIPR from the NTC), using RED DODAACs.

(2) The NTC provides funding (MIPR) necessary to cover direct costs for the operation of prepo fleet equipment used during the rotation by D-30. The NTC assessment of expected prepo fleet costs will be based on grid set, spending trends and historical information.

d. The Fort Irwin DRM will charge the rotational unit for each service rendered, or supply items issued as listed in this regulation. Due to the nature of training exercises, unforeseen situations are anticipated. Therefore, the listing is not intended to be all-inclusive but rather to identify the "typical" expenses for each rotation. The NTC is authorized to include expenses not specifically identified in this regulation. Initial estimates of NTC reimbursable cost to rotating units will be furnished by FORSCOM with the proposed troop list for approval. Copies of troop list approval and estimate for reimbursable order will be provided to both the rotational unit and the NTC.

(1) Upon issuance and acceptance of the MIPR, the NTC will record a direct obligation and the NTC will record a reimbursable order in STANFINS, creating additional available funds.

(2) The NTC is encouraged to work closely with the rotational unit's financial personnel to monitor the NTC's financial posture during the rotation. The NTC's designated representative will perform a face-to-face reconciliation with the rotational unit's SARSS-O operational team as part of the PLL/ASL regeneration process. Each rotational unit PLL/Supply Sergeant will safeguard and make available to the NTC during the reconciliation process all ULLS/SAMS/SARSS-O generated supply transaction ledgers. These ledgers will be manually compared to various finance ledgers, and the NTC designated representative will reconcile all differences before the rotational unit can be cleared. The rotational unit will use SARSS-O and NTC local programs to track the rotational unit's costs. The reimbursable obligations and open commitments in the rotational unit's financial system will be used for the final bill. The NTC's level of financial reimbursement to the rotating units cannot exceed the funding provided to the NTC for each rotation (minus a portion for scheduled maintenance, services and unscheduled maintenance performed by contractor).

(3) The final billing deadline, for payment or reimbursement of rotational expenses by either the NTC or rotational unit, is 30 days after the Theater Support Command and HQ NTC G3 clear the rotational brigade.

e. Items that will be charged to the rotational unit for services rendered include the following (this list is not intended to be all-inclusive nor unreasonably place restrictions on either the rotational unit or NTC to recover reasonable support cost):

(1) Lease/maintenance equipment costs. Commercial equipment contracted by Commander, Acquisition Command, Fort Irwin (i.e. copiers, latrines, light sets, generators, rental cars, etc.).

(2) Railhead operations above normal NTC operating cost.

(3) The lease costs of GSA vehicles is a package of 56 vehicles which the rotational unit will be charged at a monthly rate plus mileage. Additional vehicles will be charged at a daily rate plus mileage.

(4) Government impact overtime hours (GIOT). The rotational unit brigade commander overtime must approve all GIOT in writing.

(5) Overtime GS/WG hours (OT) above normal rotational support. The rotational unit

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brigade commander overtime must approve all GS/WG in writing.

(6) Actual cost of handling and disposal of hazardous waste such as disposal of oil, grease, contaminated soil and other items. Additionally, all units will be billed a basic service contract charge whether or not a spill occurs.

(7) Loss or damage to NTC equipment, property, parts, or supplies, exceeding fair wear and tear through fault or neglect may be billed to the rotating unit. The amount charged will be obtained from the report of survey, statement of charges, missing parts list, inventory adjustment report, or other initiated relief document IAW AR 735-5 and AR 710-2. The extent that OMA funds are appropriate to be charged and that repairs or replacement are actually completed. Determination of pecuniary liability is not necessary when obtaining the amount to be charged.

(8) Damage to NTC and Marine Corps Logistics Base (MCLB) real property to include: building, roads, fences and any other items that are attributed to a rotation. (An adjustment document such as the Report of Survey or Statement of Charges will be the initiating document for billing the rotation.)

(9) Loss or damage to archeological protective barriers and/or the actual site, where such loss or damage is attributable to the rotating unit.

(10) Aviation maintenance support. Support is only permitted on an emergency basis upon the rotational unit's request. Parts and labor cost will be charged to the rotational unit.

(11) The NTC Central Issue Facility (CIF): Replacement or repair cost of items received by rotational unit will be charged to the rotational unit.

(12) Supplies issued/purchased as requested by the rotational unit will be ordered using Exercise DODAAC and home station APC.

(a) Class I. Ice ordered and received.

(b) Class II. General supplies are ordered from GSA using Exercise DODAACs and home station APCs. Rotational units will order GSA and make arrangements for delivery to the NTC as part of their pre-deployment planning. NTC MMC Supply Division can provide advice and assistance in this process. Units may transfer stocks to follow-on rotations or take items received back to home station. Units are encouraged to establish an account through the Fort Irwin Military Clothing Sales Store for the procurement of military clothing in emergency situations (see Appendix H).

(c) Class III.

1 Bulk and packaged petroleum oil and lubricants (POL) will be ordered by the rotating unit

using home station DODAAC and APC. No turn-in credit will be given (see Appendix H).

2 Industrial gases ordered by the rotating unit. No turn-in credit will be given.

(d) Class IV. Barrier/construction materials are issued as a stock loan from the ISSA. Rotational units purchase those items that are missing or unserviceable during turn-in only (See Appendix H).

(e) Class V. Training mines and/or other associated items. If lost or damaged costs to modify the material will be charged and billed to the rotational unit.

(f) Class VIII. Medical materials.

(g) Class IX. Addressed separately below.

(h) Cost of postal services/Federal Express mail. Direct fund cite will be provided by rotational unit to NTC DRM ATTN: AFZJ-RMB, PO Box 105056, Fort Irwin, CA 92310, DSN 470-3298.

(i) Telephone equipment and services, leasing of communications equipment and services, automation services for user owned and operated equipment, and mass reproduction.

(j) China Lake Naval Weapons Test Center (CLNWTC). Deep strike billing.

(k) Travel Costs/Commercial buses and baggage transported. Contracted for the rotational unit, excluding OPFOR units. Rotational unit may provide direct fund cite NTC DRM ATTN: AFZJ-RMB, Fort Irwin, CA 92310, DSN 470-3298.

f. Class IX.

(1) All funding for depot-level repairables (DLR) and Class IX repair parts for the prepositioned fleet is provided to the NTC. Costs for repair of the prepositioned fleet (like items) will be billed by proration. Missing or damaged component parts of a major item will be charged a separate item at 100% percent (less fair wear and tear). The separate items list will be used as part of the final bill when approved by Class IX and the unit. The FEDLOG cost for all items ordered by Document Identifier Code (A0A) will be automatically charged to the rotational unit. The NTC will be billed by Document Identifier Code (A5A). see Appendix H-10d. Responsibility for repair and resourcing of home station equipment will remain with the rotating unit as outlined below.

(2) Bills for Class IX repair parts (to include DLRs) will be prorated based upon density of equipment brought from home. The FEDLOG cost will be used in determining the pro-rata share. The NTC will determine cost as follows: For Class IX parts peculiar to a specific end item or End Item Code (EIC), as specified by FEDLOG Material Category Code, NTC will determine cost based on percentage of those specific end items brought from home station versus total density of equipment drawn

from the NTC Pre'positioned fleet. For Class IX common items with multiple applications when end item application cannot be determined, NTC will determine rotational cost based on percentage of total density of end items brought from home station.

(3) Prescribed Load Listing: Rotational units will be charged the FEDLOG price for assets issued from the NTC supplied PLL when assets turned-in at the end of the training cycle are less than the amount issued. (4)The pro-rata methodology is:

(a) The NTC and rotational unit personnel will compare the number of systems brought from home station to the number used in the rotation to establish the percentage for billing.

For example:

EQUIPMENT	UNIT	NTC	TOTAL	PERCENT
HMMWV	250	+ 300	= 550	(250/550) x 100 = 45.45 %
5 T	3	+ 54	= 57	(3/57) x 100 = 5.26 %
TOTAL	253	354	607	(253/607) x 100 = 41.68%

(b) The NTC will then bill the unit using these percentages. For example:

TRUCK COSTS:

HMMWV PARTS		\$ 500 K x 45.45% =	227.25 K
5 T PARTS	\$ 125 K x 5.26% =	6.58 K	
GENERAL TRUCK PARTS	\$ 80 K x 41.68% =	33.34 K	
TOTAL TRUCK PARTS COSTS			\$267.17 K

(c) Rotational Billing Criteria. (see Appendix H-10d)

(d) The credit rate for recoverables for the rotational units will be the FEDLOG NSN Serviceable/Unserviceable credit rates. This rate will be applied to all NON-EXCESS rotational unit recoverables.

(e) The NTC will provide rotating units weekly RBS status report for on-going reconciliation during the training period. Rotating units are required to have their resource and materiel manager remain at NTC after completion of the training cycle to resolve billing issues during FFT and LFT.

(f) Rotational units are to use the prepositioned fleet. Exceptions to using the fleet should be limited to MTOE unique items or preloaded maintenance shelters that are too impractical to draw. Exceptions will be coordinated with the NTC and the cost borne by rotating units. No increase in resources or rail cars will be made available to support exceptions.

(g) Rotational units should bring DLRs only after coordination with NTC to ensure that needed items are not available. The NTC is authorized to observe off-load operations with the intention of identifying uncoordinated exceptions to this regulation. The NTC is also empowered to impound

unauthorized equipment in a jointly secured area until their disposition or use is resolved.

(h) Units will not ship non-mission capable vehicles or major assemblies to the NTC. Rotational unit will be billed 100% for all repair parts necessary to repair NMC vehicles arriving at the NTC.

(5) Rotational units will be billed through the rotational billing process for all items requested, which do not have a confirmed cancellation from the supporting supplier agency. Additional costs will be determined by manual computation using the SARSS Inventory Adjustment Report due in from referral/retrograde report, and other supply and financial STAMIS generated reports.

(6) Rotational units that use the View ULLS program for other than its intended purpose will receive an appropriate surcharge to their Class IX bill. Examples of improper use include, but are not limited to, clearing closed requisitions to avoid charges, changing parts status to avoid charges and deleting PLL lines to avoid having to replenish.

### 3-5. Prepositioned Equipment and RailCars

a. Select instrumented tracked and wheeled vehicles are prepositioned at the NTC. The intent of the prepositioned equipment is reduction of rotational unit transportation costs and preservation of readiness of home station equipment. The fleet is at fully mission capable (FMC) standards and must be returned in the same fashion.

b. Unit commanders will draw all available equipment from the prepositioned fleet and transport those MTOE items of equipment from home station that are no longer available at the NTC. Units requesting troop list exceptions, that require additional vehicles or equipment, will not include these figures in their transportation allocation. All approved troop list exceptions, including transportation requirements, are paid for by the unit requesting the exception (see Appendix A). The NTC will provide the training unit a projected vehicle availability list 120 to 180 days before scheduled training and a final vehicle availability list 60 days before scheduled training. The training unit will provide the CDR, NTC MMC, ATTN: AFZJ-MC, an equipment assignment listing NLT C-54.

c. An advance party is authorized to report at D-18 and operate under control of NTC TSC to establish the rotational unit's logistics base necessary to conduct RSOI operations upon arrival of the unit's main body. The direct support (DS) Maintenance Company will draw Authorized Stockage List (ASL) parts from the NTC. Company-size training units will draw PLL parts from designated NTC stocks; shop stocks will be brought from home station. PLL

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and ASL parts for home station unique systems must be deployed by the rotational unit from home station.

d. Vehicles provided by the NTC come equipped with the following items:

- (1) Basic Issue Items (BII).
- (2) Components of End Items (COEI).
- (3) Additional Authorization List (AAL) (selected items only).
- (4) Radio sets (if available).
- (5) Machine guns (including tripod mounts for the M2 .50 caliber machine gun).

e. The rotational Brigade Commander has authority to allocate prepositioned equipment. Authority allows the rotational Brigade Commander to meet desired training objectives.

f. Railcar Authorizations. The FORSCOM units will meet budget resourcing for railcars per rotation. Units will be funded for railcars according to unit type as listed in the Table below in subparagraph (3). Units desiring the use of overland line hauls to transport vehicles and/or equipment will include these figures in the total authorized transportation allocation. Units requiring more railcars based on MTOE conflicts with the NTC prepositioned fleet should submit the increase for approval with justification, as part of the brigade troop list approval process. The expansion to three battalion rotations and the requirement to deploy home station equipment resulted in establishing the maximum authorized railcar amounts listed in Paragraph 3-5(f)(3). Exceptions to these maximum railcar authorizations must be approved by FORSCOM through the troop list approval process.

(1) Funds allocated for railcar authorizations represent maximum funding available.

(2) Units that request more railcars based upon MTOE conflicts with the NTC prepositioned fleet must be prepared to pay for additional railcars from other training funds allocated to the rotational unit.

(3) Rotational railcar allocations are as follows: (per the official FORSCOM rotational schedule, add each listing below together for a total authorized number of railcars.)

<u>Type Unit</u>	<u>Number of 89ft length Railcars</u>
(1) Heavy BDE (LCD – 2 Bn)	252
(2) Heavy BDE (FXXI – 2 Bn)	310
(3) AASLT BDE (2 Bn)	137
(4) Heavy ACR (2 Grd / 1 Air)	467
(5) Light ACR (2 Grd / 1 Air)	409
(6) IBCT BDE (1 RSTA/2 IN)	445
(7) Abn BDE (2 Bn)	131
(8) Lt BDE (2Bn)	112
(9) 3d Battalion:	

	Light IN BN	40
	AASLT BN	45
	ABN BN	42
	Mech IN BN (LCD)	78
	Mech IN BN (FXXI)	83
	Armor BN (LCD)	82
	Armor BN (FXXI)	90
	Hvy ACR Sqdn	150
	Lt ACR Sqdn	94
	DIV CAV SQDR	123
	IBCT IN BN	93
(10)	Aviation TF:	
	Hvy GS	16
	Hvy GS/Attack	70
	Hvy Lt GS/Aslt Lift	30
	Hvy Lt GS/Attack/Aslt Lift	89
	Abn/Lt GS/Aslt Lift	33
	Abn/Lt GS/Attack/Aslt Lift	97
	AASLT	157
(11)	OPFOR Augmentation	
	Infantry Co	None
	Engineer Co	15
	Artillery Battery	15
	Mortar Plt	4
(12)	Theater Opening Force	
	Module (TOFM)	115

**3-6. Training**

a. Scenarios for both live fire training (LFT) and force-on-force training (FFT) train the task force while operating as part of a brigade-size unit assigned a mission as the division's supporting effort. Combat units, to include attack aviation and combat support weapon systems, participate in both LFT and FFT. The brigade headquarters is attached to 52d ID as the as a supporting effort brigade.

b. Training units will exercise the entire spectrum of combined arms team during NTC rotations in a mid-to-high-intensity environment, often involving mixed mobility (heavy/light) training. Units will execute all normal administrative and logistical functions throughout the training period.

c. The NTC Operations Group will tailor training scenarios to satisfy unit training needs. Brigades/Regiments will submit training objectives, unit METL, critical task lists, and proposed task organization with the troop list at D-180 days prior to the rotation to HQ FORSCOM, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 and copy to CDR, National Training Center, ATTN: AFZJ-PTO (for coordination), Fort Irwin CA 92310-5101.

d. The instrumentation system used at the NTC monitors and aids the NTC in controlling FFT and LFT activities. Instrumentation records vehicle and unit positions on the battlefield displaying main gun

weapon firing events to include hits, kills, and near misses. In addition, instrumentation provides data processing, interactive display, voice and video editing, and training material production capabilities needed to synthesize data, reconstruct the battle, and present near-real-time AARs. The hardware used in the instrumentation is mounted on NTC prepositioned equipment and equipment brought from home station.

e. The NTC will provide BSA live fire scenarios for CONUS unit training. The BSA live fire request needs to be part of the units initial mission request. The difficulty of the scenario requested depends upon home station training and the current level of proficiency of BSA personnel.

f. For selected rotation, RC units will conduct TOFM missions under the command and control of an Area or Corps Support Group (ASG or CSG). The concept of support to be provided will be defined by the Theater Support Command, Commander (NTC TSC) and the ASG/CSG as outlined in **Appendix P**.

g. The detailed development of rotational training objectives by the brigade and division is critical to NTC scenario development. The scenario is built around desired training objectives and briefed D-120 to the division commander for his approval. For the justification of expended resources that support a rotation the desired training objectives must be included in the D-210 troop list and mission statement memorandum addressed to Commander Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 through the higher headquarters Corps or MACOM. Copy furnish HQ NTC G3. (see **Appendix J** for address).

h. Dual Based Brigade Support. When a dual based brigade is scheduled for a NTC rotation, the below assigned Corps will provide support. A dual based brigade is defined as a brigade that does not have its division headquarters stationed in CONUS. Support includes the divisional slice the brigade would expect to deploy with and all requirements as defined in **Appendix A** of this regulation. For the purpose of this support requirement the units that require support and their supporting Corps are:

<u>Unit</u>	<u>Supporting Corps</u>
172d SIB, Alaska	XVIII Airborne Corps
3d BDE, 1st AD	III Corps
1st BDE, 1st ID	III Corps
3d BDE, 2d ID	XVIII Airborne Corps
1st BDE, 25th ID	XVIII Airborne Corps

i. Regeneration. Current unit regeneration at the NTC requires 14 days of focused effort to turn-in

prepositioned equipment and prepare home station equipment for railroad to home station. The prepositioned vehicles must be returned to fully mission capable (FMC) standards in order to meet requirements for the following rotational unit. Concurrent maintenance is performed on home station fleets in order to meet scheduled rail movement windows. The outbound unit relinquishes railhead priority on Regeneration Day 8 to the inbound unit. This rail profile is necessary to meet the equipment throughput requirement to ensure the inbound unit has adequate time to build combat power before deploying into the maneuver box. The following regeneration procedures must be adhered to:

(1) The priority of maintenance focus is to the home station fleet, then the prepositioned fleet. This priority is required to meet railroad scheduling requirements. This requires an extensive maintenance effort to bring the home station fleet to -10/-20 standards with the goal of redeploying mission capable vehicles to home station.

(2) Units will report home station fleet status upon completion of the railroad at the NTC with a follow-on report submitted two weeks after equipment arrival at home station to AFOP-TRC.

**3-7. Focused Rotations**

The Center for Army Lessons Learned (CALL) in coordination with CTD (Collective Training Directorate), DCST, TRADOC, with approval from CDR, Operations Group, sponsors focused rotations each year. The purpose of focused rotations is for TRADOC schools/centers to gain information on areas of interest concerning existing doctrine, tactics, techniques, and procedures (TTP), as well as weapons systems and equipment. Agencies will conduct focused rotations on a non-interference basis. The CDR, NTC, will approve the yearly focused rotation schedule and forward appropriate information to Cdr, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. The TRADOC School conducting the focused rotation will send a memorandum to COG, NTC NLT 120 days prior to conduct of rotation for final coordination. The CDR, NTC has approval and disapproval authority at the 120-day coordination window.

**3-8. Mixed Mobility Rotations**

a. Forces Command, in coordination with the Corps, will schedule light infantry units to train at the NTC concurrently with heavy units. This training is desirable from the standpoint of doctrinal and organizational evaluation and enhances the interoperability of FORSCOM units. Units will

perform missions under the control of the CDR, NTC (Headquarters, 52d ID). Training scenarios support unit-training objectives; both heavy and light unit employment must be in accordance with organizational design and operational doctrine. The training emphasis for mixed mobility rotations is on interoperability and synchronization.

b. Troop list approval procedures for mixed mobility rotations are the same as for the heavy force, except the light, airborne, air assault task force troop list must be approved by the respective Corps headquarters prior to submission to the rotation training Brigade headquarters. The executive agent for these mixed mobility rotations or heavy/light (HL), is the heavy brigade commander.

c. The corps/division providing the light task force for a heavy/light rotation is responsible for providing the assault helicopter company and AVIM section. The heavy force provides the command and general support helicopters.

### **3-9. Visits**

a. As a cost avoidance measure, units should maximize use of the video teleconference (VTC) network to conduct administrative actions and coordination in lieu of TDY visits.

b. Orientation visits:

(1) Commander, FORSCOM, is the sole authority for approval of all requests to visit the NTC.

(2) Requests to visit NTC will be submitted to Commander, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-OT, (Info: AFOP-TRC), Fort McPherson, GA 30330-1062 a minimum of 60 days prior to desired visit date(s). Approval/disapproval will be furnished to the requester not earlier than 30 days prior to desired training rotation date. Requests received with less than 60 days notification compete with other requirements, and normally will not be approved except with compelling justification.

(3) Visitors to NTC will be grouped into one of the five priority categories:

(a) **Category 1.** Personnel participating in FORSCOM approved training programs, Leader Training Program, Observer Controller Academy, TRADOC subject matter experts coordinating with the NTC Operations Group, rotational unit chain of command, and HQDA, FORSCOM, TRADOC, NGB and USARC staff officers with direct job involvement with NTC. The NTC unit working the subject will handle these visitors.

(b) **Category 2.** Distinguished U.S. military and civilian leaders who allocate resources and determine policy for the Army, senior members of

the executive branch, Congressional members and their staff, senior military and civilian leaders.

(c) **Category 3.** Specially invited distinguished U.S. and foreign visitors. Foreign visitors should coordinate with DAMI-CIT or DAMI-FLT. Request should be submitted 90 days in advance.

(d) **Category 4.** National news media.

(e) **Category 5.** All others to include self-invited foreign nationals, civic groups, local news media, and U.S. military/civilian personnel not associated with training being conducted.

(4) Requests to visit NTC must include the following information:

(a) Name and job description of senior visitor and other members in the visiting party.

(b) Purpose for the visit.

(c) Primary and alternate visit dates.

(d) Type of training activity to be visited.

(e) Type of support desired.

(f) Type of briefings desired.

(g) Specific persons to be contacted.

(h) POC for additional information.

(5) The primary mission of the NTC is training for our combat units. In order to prevent disruption of scheduled training, visiting groups will be limited to no more than seven personnel, and no more than two groups of seven visiting NTC at one time. Total visit should not exceed 24 hours. Additionally, purpose of visit should be of benefit to the Army and/or operations at the NTC.

(6) It must be noted that protocol and support facilities at NTC are limited, and are normally for the benefit of rotational training units.

(7) Commander, NTC will ensure that only FORSCOM approved visits are supported. Requesters who directly contact NTC will be referred to Headquarters, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-OCT, Fort McPherson, GA 30330-1062. Action will not be taken on visit requests without FORSCOM approval.

(8) Requests for visits by foreign nationals must comply with the provisions of Army Regulation 380-10, and procedures outlined in this regulation. Sponsors of foreign visitors must ensure that visit requests are submitted a minimum of 90 days in advance of the desired visit date. Foreign visit requests must be approved through FORSCOM G2, Security Division, AFIN-SD, DSN 367-5482.

(9) Commanders of rotational units at NTC who desire to invite other than unit personnel to observe the training must receive the concurrence of the NTC commander, and be prepared to support visitors with organic resources.

(10) Additional information concerning procedures to obtain approval to visit NTC can be



obtained by contacting FORSCOM G3, Central Tasking Division, AFOP-OCT, DSN 367-5813/5019.

(11) Proponent representatives of the TRADOC schools and centers coordinate visits as part of the Combat Training Center Review Program with CTC Directorate, DCST, TRADOC.

(12) Training unit visitors, military, media, and civilian personnel desiring to visit the training unit will coordinate with the training unit headquarters. The training unit is responsible for providing transportation, billeting, mess, escorts and field equipment for unit visitors. Unit visitors must wear BDUs, Kevlar Helmet, LBE and MILES, as well as equipment in **Appendix L** while visiting any unit.

(13) Military units or personnel desiring a visit to 11th ACR (the OPFOR) will do so under Category 5. Requests will be forwarded to FORSCOM Central Taskings for approval. Approved visitors will provide uniform sizes and hat sizes due to the training requirement for all OPFOR to be in Opposing Forces uniforms. The U.S. Military visitors are required to provide all needed field equipment (i.e. sleeping gear and weather protection). Direct contact with NTC or 11th ACR is not authorized until visit is approved.

### **3-10. OPFOR Augmentation**

To provide a balanced battlefield and increase realism, FORSCOM augments the NTC OPFOR with three dismounted infantry companies, a self-propelled artillery battery, a heavy engineer company and a heavy mortar platoon. Training opportunities are offered to all non-rotational units. Rotational units have the primary responsibility, but opportunities are available to non-rotational AC forces, ARNG, USAR, and other services meeting criteria. The OPFOR augmentation procedures are addressed in **Appendix C**.

### **3-11. Leader Training Program**

To maximize training opportunities NTC conducts the LTP, which is a command and staff training program designed to prepare the unit for the rotation. Specifics on the operations of the LTP are in **Appendix B**.

### **3-12. Division Tactical Operations Center (DTOC) Augmentation**

To enhance the capabilities of the notional Division Tactical Operations Center (DTOC) (52 ID) to replicate the support provided by a division. The DTOC augmenters are essential to allow rotational Brigades to conduct full spectrum operations throughout the rotation. **Appendix N**.

### **3-13. Testing**

Testing of new concepts, doctrine, equipment or systems will generally not be permitted at the NTC. The FORSCOM Commander will approve/disapprove all requests for testing. Approved testing will in no way impede or inhibit training. As much advanced notice as possible, is necessary to adequately staff and coordinate requests for assistance. Upon FORSCOM approval, all radio Frequency emitters new to the NTC require spectrum testing and certification by NTC G3, Spectrum Management Division. (See para. G-14b)

### **3-14. Observer Controller Academy (OCA)**

The OCA is an 8-day program, which provides classroom and field training to NTC Observer Controllers (OCs), augmentee OCs, and OC/T (Active Component support to Reserve Component units) soldiers, to certify them as OCs. Priority of training is to NTC Operations Group personnel, then rotational OC augmentees, and finally CONUSA OC/T personnel. The OCA consists of 3 days of classroom training and 5 days of field training (right-seat-ride). The OC certification consists of three phases: Phase I - Classroom Instruction, Phase II – Performance Oriented Training (Right-Seat-Right), and Phase III – Team Sustainment Training. Units are responsible for confirming and sending an attendance roster to the OCA NLT 90 days prior to the class date. The OCA point of contact is Commandant, OCA, DSN 470-6183 or FAX 470- 6184

### **3-15. Foreign Unit Training**

a. Foreign units can be no larger than company size. The preference is platoon size and attached to a U.S. Forces Company. The preference is non-mechanized, combat arms units only.

b. These units, as OPFOR or BLUFOR, must come with a parent U.S. Forces unit, who is responsible for unit actions. The foreign unit must be provided enough time to train with the U.S. Force unit at home station and be integrated into the unit prior to the rotation in which they will participate. The NTC has no capability to support single foreign units.

c. Foreign SOF units must come as part of a U.S. Forces unit and be integrated into a scheduled SOF NTC rotation. Same rational applies here as for OPFOR or BLUFOR foreign units.

d. The NTC has no ability to provide foreign ammunition or training aids. Foreign units training with U.S. Forces must use U.S. weapons and be equipped with MILES.

**3-16. Ammunition Class V**

a. Forces Command allocates to NTC the STRAC authorized training ammunition based on the types of rotations scheduled in each given fiscal year.

b. If a rotational unit desires to bring a non-templated/troop list unit, then the unit is responsible for forecasting all training ammunition requirements, both force on force and live fire. If a unit desires to fire more than the authorized amounts allocated within STRAC, the unit is responsible for forecasting the difference. Expenditures above NTC provided authorizations will be charged against the home station training ammunition account.

c. Dragon and Stinger: Dragon and Stinger missiles must be ordered from AMCOM by the training unit and identified to be drop shipped to the NTC ASP. The items are charged to the unit's home station training ammunition authorization account. Suspense for the request is D-120 days.

d. TOW: Additional requirements for TOW missiles must be ordered from AMCOM by the training unit and identified to be drop shipped to the NTC ASP. These missiles are charged to the unit's home station training ammunition account.

e. Training ammunition will not be shipped from home station to the NTC (except missiles).

f. Rotational units must forecast training ammunition NLT D-120 days, so the NTC ASP will have sufficient time for ordering and receiving.

g. The rotational training ammunition packet is sent to the Division G3s at the beginning of the fiscal year and updated in the 180-day Rotational Packet. The heavy brigade for Heavy/light rotations must furnish ammunition information to their associated light unit.

h. Coordination between the rotational unit and the NTC G3, Training Support Division must be done by the installation G3/Training Ammunition Manager utilizing TAMIS (VIP 067).

i. The point of contact for ammunition coordination within FORSCOM is AFOP-TRS, DSN 367-5815 or 6522.

## **APPENDIX A**

### ***Troop List - Template***

**A-1.** Commanding General, FORSCOM is the final approving authority for training unit troop lists. Training unit is to submit troop list derived from the following standard troop list templates through the respective Corps headquarters for endorsement. Corps endorsed troop list is due to FORSCOM HQ NLT 180 days prior to rotation inclusive start date (D-180). Forward troop lists through Deputy, Chief of Staff for Operations, ATTN: AFOP-TRC, to Commander, Forces Command, 1777 Hardee Avenue, SW ATTN: AFCS, Fort McPherson, GA 30330-1062. Troop lists for Dual Split Based Brigades and ARNG Separate Enhanced Brigades are due to FORSCOM at D-365.

**A-2.** The troop list template represents pre-approved units, allowable deployed personnel numbers and total equipment authorizations. The NTC can support the template and listed unit types. The template represents what is allowed to deploy into the NTC training area. The listed authorizations are based on MTOE authorizations for an average of the unit types. Any increase in numbers deploying to NTC, either in personnel or equipment, requires approval by FORSCOM DCG/Chief of Staff. The intent of the template matrix is not to micro-manage unit MTOEs. If a unit MTOE is higher (by a few numbers) than the listed template, reflects the addition of more modernized systems but represents the unit authorized MTOE, the unit must identify the changes to the troop list with the current MTOE as justification as information for coordination at the NTC; this is not considered to be a troop list exception. Additionally, if a unit possesses in-lieu-of systems that are authorized by MTOE, similar notation must be included in the troop list; this is also not considered an exception. Troop list approvals are part of the troop list exception process addressed in paragraph A-1. Units requesting to deploy with more personnel or equipment, than the template authorizes, must have an approved exception prior to D-150 of the rotation or that unit and/or piece of equipment will not be allowed to exercise in the rotation.

**A-3.** Training units will submit proposed troop list in memorandum form, using FORSCOM Form 1060-R as a guide, and address the following:

a. Task Organization. Including light infantry, aviation, and division support units. The heavy force Bde, Div and Corps HQ has lead on developing the task organization. The single mission and troop list document should address all rotational units

(including requested troop list exceptions) with the ground Brigade Commander as the executive agent for the rotation.

b. Personnel and equipment listings IAW Rotational Unit Worksheet (Sect II, III, IV and VI).

c. Rotational unit's mission and mission essential task list (METL).

d. Rotational unit requested tasks.

e. Training objectives.

f. Exceptions to FORSCOM 350-50-1 standard troop list with justification (unit, equipment, personnel, and reason for requesting exception).

(1) Details of why the exception is being requested and what training objective the exception meets, is required.

(2) Additional rotational funding of troop list exceptions, including transportation, instrumentation, and PERSTEMPO must be addressed, and will be considered in the approval process.

g. Training augmentation requirements.

h. Transportation requirements.

i. Force modernization impacts and training summary.

(1) As units receive new modernized equipment and assets that change how units doctrinally execute missions, the NTC must also adjust. All modernized equipment must be able to connect to the training instrumentation.

(2) The following is a listing of equipment that will require a troop list exception approval by the Chief of Staff, FORSCOM, to ensure connectivity. (EPLRS, UAV, Intelligence systems, LSRD)

**A-4.** The Corps will submit proposed troop list and exceptions to Commander, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 for final approval. The Corps will forward an information copy of the troop list to Commander, NTC, ATTN: AFZJ-PTO, NLT D-180.

**A-5.** The NTC will submit supporting comments to Commander, Forces Commander, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062, NLT D-150. During coordination with NTC, units are encouraged to discuss rotational training objectives and troop list exceptions. however, NTC's ability to support does not constitute approval of troop lists or troop list exceptions.

**A-6.** Headquarters, FORSCOM, Chief of Staff will release the approved troop list and exceptions to all subordinate units NLT D-120. The deadline for appealing the decision of the approved troop list is D-118.

**FORSCOM Regulation 350-50-1**

**TABLE A-1 (LCD BDE)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
Heavy BCT (LCD)		<b>3666</b>	<b>Railcar Auth: 252</b>	
Bde HHC (-)	1	84		Cmd Post Carr (C2V) 5, Cmd Post Carr (577) 1; Pers Carr 1; Tr Recov Veh 1; HEMTT 2; FMTV 1; LMTVs 4; HMMWVs 15; TPU 1; MKT 1; Trailers 8; Water Tlr 1; Gen/Pwr Spt/AC 11; MILVANS 45.
Brigade Recon Troop	1	49		LMTV 1; HMMWVs 16; Trailers 2; Water Tlr 1; Gen/Pwr Spt/AC 3.
Infantry Battalion (MECH)	1	704		IFVs 44; Mortar Carr 4; Cmd Post Carr (577) 7; Pers Carr 14; Tr Recov Veh 6; HEMTTs 17; FMTVs 4; LMTVs 31; HMMWVs 36; TPUs 7; MKTs 2; Trailers 26; Water Tlrs 6; Gen/Pwr Spt/AC 14.
Armor Battalion	1	498		Tanks 44; Mortar Carr 4; Cmd Post Veh (C2V) 3, Cmd Post Carr (577) 4; Pers Carr 13; Tr Recov Veh 6; Mineplows 9; Minerollers 3; HEMTTs 26; FMTV 7; LMTVs 26; HMMWVs 48; TPU 2; MKT 2; Trailers 26; Water Tlrs 6; Gen/Pwr Spt/AC 14.
Artillery Bn (DS)	1	595	1 x Q-36 line hauled.	PALADINS 18; Cmd Post Carr (577) 13; FSV 9; Ammo Carr (992) 18; Tr Recov Veh 4; HEMTTs 2; PLS Trucks 18; FMTV 1; LMTVs 20; HMMWVs 58;TPU 11; MKT 5; PLSs 18; Trailers 18; Water Tlrs 10; Gen/Pwr Spt/AC 24.
FA BN (GS) (O&I)	1	60		Cm Post Carr (M577) 3; Trucks 1; HMMWVs 11.
MET SEC HHB	1	10		
FSB	1	428		Cmd Post Carr (577) 4; Pers Carr 11; Tr Recov Veh 1; HEMTTs 6; PLS Trucks 3; FMTVs 53; LMTVs 40; Trucks 7; HMMWVs 62; Crane 1; Fork Lift 1; TPUs 8; MKTs 3; PLS Tlrs 3; Trailers 73; Water Tlrs 6; PLSs 18; Gen/Pwr Spt/AC 61.
MI Company (DS)	1	37		GSRs 4; LMTV 1; HMMWVs 9; Trailers 3; Gen/Pwr Spt/AC 1.
MI BN Spt Slice	1	20		Trucks 2; HMMWVs 3.
MI Compnay (GS) Slice	1	24		FMTVs 2; HMMWVs 6; Trailers 2; Gen/Pwr Spt/AC 5.
MSB HQ Det	1	17		LMTV 1; HMMWVs 3; MKT 1; Trailers 2; Water Tlr 1.
Transportation CO (-)	1	85		HETs 6; FMTVs 29; HMMWVs 2; Trailers 36.
Hvy Maintenance CO (-)	1	46		FMTVs 2; LMTVs 7; HMMWV 1; Trailers 4.
Electronic Maintenance CO (-)	1	49		FMTVs 10; LMTVs 3; HMMWVs 4; Trailers 9; Gen/Pwr Spt/AC 4.
Medical CO (-)	1	33		LMTV 1; HMMWVs 8; Trailers 4; Gen/Pwr Spt/AC 2.
DMMC Element	1	18		HMMWVs 6.

**FORSCOM Regulation 350-50-1**

**TABLE A-1 Cont. (LCD BDE)**

<b>UNIT AND SUBUNITS</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
ADA Battery (LINEBACKER and MSL)	1	92		IFV 4; ADA IFV (LINEBACKER) 8; Cmd Post Carr (C2V) 1; Tr Recov Veh 1; ADA HMMWV (AVENGER) 6; HEMTTs 2; LMTVs 3; HMMWVs 9; TPU 1; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 9.
Sensor SEC	1	12		HMMWVs 7; Radars 2; Gen/Pwr Spt/AC 8.
EN BN HHC	1	124		Cmd Post Carr (577) 3; Pers Carr 2; Tr Recov Veh 2; HEMTTs 7; LMTVs 6; HMMWVs 15; MKTs 2; Trailers 6; Water Tlr 1; Gen/Pwr Spt/AC 15.
CSE PLT (-)	1	36		Tractor FT (D7) 4; Scoop Loader 1; Scrapers 2; Graders 2; SEEs 2; FMTVs 3; Trucks 9; HMMWVs 3; Trailers 4.
EN Companies	2	190		Cmd Post Carr (577) 2; AVLBs 8; Pers Carr 18; Ammo Carr (548) 4; ACEs 14; SEEs 6; HEMTTs 8; LMTVs 2; Trucks 4; HMMWVs 10; MICLICs 8; Trailers 14; Water Tlrs 2; Gen/Pwr Spt/AC 2.
MP PLT (DS)	1	21		HMMWVs 7; Trailers 3.
EOD TEAM	1	5		HMMWVs 3.
ALO	1	13		HMMWVs 4.
Weather	1	5		HMMWVs 2.
Chemical Company HQ (-)	1	51		TR Recov Veh 1; HEMTT 1; FMTVs 2; LMTVs 4; HMMWVs 6; TPUs 2; Trailers 5; Gen/Pwr Spt/AC 6.
Chem Recon SQD	1	6		IAV FOX 2.
Chem Decom PLT	1	20		FMTV 6; LMTV 3; HMMWVs 7; Trailers 6.
Smoke PLT	1	25		Tracks (Smoke Generator) 7; TPUs 2.
SIG CO (DS)	1	77	Node Centers 2; RAUs 4; SENS 8.	FMTV 1; LMTV 2; HMMWVs 48; Trailers 22; Gen/Pwr Spt/AC 52.
RETRANS TEAM	1	7		HMMWVs 2.
TACSAT	1	8		Trucks 4; HMMWVs 3.
EPLRS SECT	1	16		Truck 4; HMMWVs 2.
CA/PSYOPs DST	1	10		HMMWVs 2.
<b>ROTATION SUPPORT</b>				
DTOC	1	6		HMMWVs 2.

**FORSCOM Regulation 350-50-1**

**TABLE A-1 Cont. (LCD BDE)**

<b>UNIT AND SUBUNITS</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
DISE(-)	1	30		
Environmental Team	1	29		Scoop loaders 2; SEEs 4; Trucks 11; HMMWVs 2; Tlr 1.
ATS Section	1	6		
Dust Bowl	1	60		
Div Fwd Cell	1	25		

**FORSCOM Regulation 350-50-1**

**TABLE A-2 (Force XXI Digitized Brigade Template)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>Heavy Brigade Combat Team (Digitized)</b>		<b>3884</b>	<b>Railcar Auth:310</b>	
HHC Bde	1	106		IFVs 1; Cmd Post Carr (M577) 5; Trucks 4; HMMWVs 20; Trailers 11; Water Tlr 1; Gen/Pwr Spt/AC 12; MILVANS 45; TACSAT 2.
Infantry Bn (MECH)	1	569		IFVs 44; Cmd Post Carr (M577) 5; Cmd Post Carr (C2V) 3; Mortar Carr 4; Pers Carr 10; Trucks 11; HMMWVs 26; Trailers 7; Water Tlrs 4; Gen/Pwr Spt/AC 7.
Armor Bn	1	348		Tanks 44; Cmd Post Carr (M577) 8; Pers Carr 10; Mortar Carr 4; Trucks 12; HMMWVs 27; Trailers 6; Water Tlrs 4; Mineplows 12; Minerollers 4; Gen/Pwr Spt/AC 8.
Brigade Recon Troop	1	49		LMTV 1; HMMWVs 16; Trailers 2; Water Tlr 1; Gen/Pwr Spt/AC 1.
Artillery Bn (DS)	1	502	1 x Q-36 (Shipped by line haul).	PALADINS 18; FSVs 15; Ammo Carr (M992) 18; Cmd Post Carr (C2V) 10; Tr Recov Veh 4; HEMTTs 4; PLS Trucks 18; FMTVs 1; LMTVs 18; HMMWVs 51; Trailers 15; Water Tlr 8; MKTs 4; Gen/Pwr Spt/AC 24.
Artillery Bn (GS)(O&I)	1	60		Cmd Post Carr (M577) 3; Trucks 1; HMMWVs 11.
MET Section HHB	1	10		
Forward Support Bn(-)	1	864		Cmd Post Carr (577) 5; Pers Carr 20; Tr Recov Veh 18; HEMTTs 76; Trucks 148; HMMWVs 87; Fork Lifts 9; TPUs 12; MKTs 12; PLSs 18; Load Ramp 1; Trailers 157; Water Tlrs 15; Gen/Pwr Spt/AC 100.
Area Signal Co (+)	1	123	Node Ctrs 2; RAUs 5; SENs 8.	FMTVs 2; LMTVs 2; HMMWVs 57; TPUs 2; Trailers 21; Gen/Pwr Spt/AC 51.
RETRANS TM	1	7		HMMWVs 2.
EPLRS SEC	1	16		Trucks 4; HMMWVs 2.
CSB Headquarters Det.	1	78		HEMTTs 2; Trucks 6; HMMWVs 16; MKTs 2.
ASMC(-)	1	30		Trucks 1; HMMWVs 6.
Ammunition Plt	1	48		PLS Trucks 3; Trucks 3; HMMWVs 3; Fork Lifts 7; PLSs 5; TPU 1.
Quartermaster Co (-)	1	86		Trucks 34; HMMWVs 10; Fork Lifts 4; TPU 1; Load Ramp 1; Trailers 30.
Transportation Co (-)	1	103		HETs 12; PLS Trucks 22; Trucks 23; HMMWVs 5; PLS trailers 22; PLSs 132; Trailers 12.
DMMC Element	1	18		HMMWVs 6.
Sustainment Cell	1	50		Trucks 6; HMMWVs 9.
ADA Linebacker/Missile Battery	1	94		IFVs 4; ADA IFVs 8; Cmd Post Carr (C2V) 1; Tr Recov Veh 1; HEMTTs 2; LMTVs 3; ADA HMMWVs 6; HMMWVs 9; TPU 1; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 7.
Sensor Section	1	12		HMMWVs 7; Radars 2; Gen/Pwr Spt/AC 8.

**FORSCOM Regulation 350-50-1**

**TABLE A-2 Cont. (Force XXI Digitized Brigade Template)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
Engineer BN (-)	1	228		Cmd Post Carr (C2V) 2; Cmd Post Carr (M577) 3; Pers Carr 19; Ammo Carr (M548) 4; AVLBs 8; ACEs 14; HEMTTs 4; Trucks 6; HMMWVs 22; MICLICs 8; Trailers 10; Water Tlrs 3; Gen/Pwr Spt/AC 9.
CSE Platoon (-)	1	36		Tracked Tractor (D7) 4; SEEs 2; Scrapers 2; Graders 2; Loader 1; Tractor trucks 4; FMTVs 3; Trucks 5; HMMWVs 3; Trailers 4.
Digital Terrain Team	1	4		HMMWVs 2.
MI CO (DS)	1	36		LMTV 1; HMMWVs 9; GSR 4; Trailers 3; Gen/Pwr Spt/AC 3.
MI BN (-) (Supt Slice)	1	20		Trucks 2; HMMWVs 3.
MI CO (-) (GS)	1	30		Trucks 1; HMMWVs 8; Trailers 3; Gen/Pwr Spt/AC 5.
MP Platoon (DS)	1	26		HMMWVs 8; Trailers 3.
Chemical Co HQ (-)	1	51		Tr Recov Veh 1; HEMTTs 1; FMTVs 2; LMTVs 4; HMMWVs 6; TPUs 2; Trailers 5; Gen/Pwr Spt/AC 6.
Chem Recon Squad	1	6		IAVs (NBC FOX) 2.
Chem Decon Platoon (DS)	1	20		FMTVs 6; LMTVs 3; HMMWVs 7; Trailers 6.
Smoke Platoon	1	25		Tracks (Smoke Gen) 7; TPUs 2.
EOD Team	1	5		HMMWVs 3.
ALO	1	13		HMMWVs 4.
Weather	1	5		HMMWVs 2.
CA/PSYOP DST	1	10		HMMWVs 2.
DTAC(-)	1	40		Cmd Post Carr (C2V) 4; HMMWVs 6; Tar Acq CGS (JSTARS) 1.
DISE (-)		30		
DTOC	1	6		HMMWVs 2.
Dustbowl Company	1	60		
Division Forward Cell	1	25		
Environmental Team	1	29		SEEs 4; Loaders 2; Tractor Truck 1; Trucks 10; HMMWVs 2; Tractor Tlr 1.
ATS Section	1	6		



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**TABLE A-3 (Heavy ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>Armored Cavalry Regiment</b>		<b>55066</b>	<b>Railcar Auth: 460</b>	
HHT	1	138		IFV 2; Tr Recov Veh 1; Cmd Post Carr (577) 6; Pers Carr 1; FMTV 3; LMTV 9; HMMWVs 27; TPU 2; Trailers 13; Water Tlr 2; MKT 1; Gen/Pwr Spt/AC 17; MILVANS 60.
Cavalry Squadron	2	1750		Tanks 82; IFVs 82; PALADINS 12; Mortar Carr 12; FSV 12; Cmd Post Carr (577) 24; Pers Carr 34; Ammo Carr (992) 12; AVLBs 6; Tr Recov Veh 16; HEMTTs 60; PLS Trucks 12; FMTVs 12; LMTVs 70; HMMWVs 86; TPUs 4; Mineplows 12; Minerollers 6; PLSs 12; Trailers 66; Water Tlr 20; MKTs 8; Gen/Pwr Spt/AC 32.
Aviation Squadron(-)	1	566	UH60s 15; OH58s 16; AH64s 16.	HEMTTs 21; FMTVs 4; LMTVs 28; HMMWVs 43; TPUs 17; Trailers 68; Water Tlrs 4; MKTs 2; Gen/Pwr Spt/AC 44.
Med Lift SEC	1	32	CH47s 4.	HMMWVs 1; Trailers 1.
A2C2	1	4		
FSMT	1	21	UH60s 3.	
AVIM	1	91		FMTVs 6; Trucks 6; HMMWVs 3; Crane 1; MKT 1; Trailers 13; Water Tlr 1; Gen/Pwr Spt/AC 6.
Support Squadron	1	713		Tr Recov Veh 5; Cmd Post Carr (577) 4; Pers Carr 9; HETs 6; FMTVs 92; LMTVs 70; Trucks 3; TPUs 8; HMMWVs 72; Fork Lifts 9; PLSs 18; Load Ramps 2; Trailers 122; Water Tlrs 7; MKTs 3; Gen/Pwr Spt/AC 52.
MI Company(-)	1	130		Tr Recov Veh 1; Pers Carr 6; FMTVs 3; HMMWVs 22; Radars 6; TPUs 1; MKTs 1.
Corps Support Bn HQ Det.	1	78		HEMTTs 2; FMTVs 1; Trucks 5; HMMWVs 16; MKTs 2.
ASMC(-)	1	30		HEMTTs 4; Trucks 1; HMMWVs 2.
Ammunition Plt	1	48		PLS Trucks 3; HMMWVs 3; Fork Lifts 7; TPUs 1; PLSs 5.
Quartermaster Co (-)	1	86		HETs 3; FMTVs 28; Trucks 7; HMMWVs 10; Fork Lifts 1; TPUs 1; Trailers 30; Load Ramps 1.
Transportation Co (-)	1	103		HETs 12; FMTVs 12; Trucks 33; HMMWVs 5; Trailers 34; PLSs 132.
RMMC Element	1	18		
Corps EN Bn HHC	1	74		Cmd Post Carr (577) 3; Pers Carr 2; Trucks 5; HMMWVs 12; MKTs 2.
CSE Platoon (-)	1	36		Tractors (D7s) 4; SEEs 2; Scrapers 2; Graders 2; Scoop Loader 1; Trucks 8; HMMWVs 3; Trailers 4.
Combat Engineer Co	1	96		AVLBs 4; Cmd Post Carr (577) 1; Pers Carr 9; Ammo Carr (548) 2; ACEs 7; HEMTTs 2; SEEs 2; MICLICs 4; Trucks 2; HMMWVs 6.

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**TABLE A-3 Cont. (Heavy ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
Hvy ACR EN Co	1	216		AVLBs 6; Tr Recov Veh 1; Cmd Post Carr (577) 2; Pers Carr 13; Ammo Carr (548) 3; ACEs 6; HEMTTs 4; Trucks 4; HMMWVs 13; Scoop Loader 1; TPUs 3; MICLICs 3; MKT 1.
Support Plt	1	55		HEMTTs 7; Trucks 4; HMMWVs 2.
ADA Battery	1	156		ADA IFVs (LINEBACKER) 8; ADA IFVs (Stinger) 2; Cmd Post Carr (C2V) 1; Pers Carr 2; Tr Recov Veh 1; ADA HMMWVs (Avenger) 8; Trucks 8; HMMWVs 27; TPU 1; MKT 1.
Chemical Company (-)	1	69		Tracks (Smoke Generator) 7; IAV FOX 4; Trucks 3; HMMWVs 6; TPU 1; Trailers 1.
Corps FA Bn (DS)	1	551	1 x Q-36	PALADINS 18; FSV 6; Cmd Post Carr (577) 13; Ammo Carr (992) 18; Tr Recov Veh 4; HEMTTs 2; PLS Trucks 18; FMTVs 1; LMTVs 22; HMMWVs 50; TPUs 10; Trailers 4; Water Tlrs 10; MKTs 5; PLSs 18; Gen/Pwr Spt/AC 13.
Corps FA Bn (GS) (-)	1	60		Cmd Post Carr (577) 3; Trucks 1; HMMWVs 11.
MET Section HHB	1	10		HMMWVs 3.
MP Platoon	1	33		HMMWVs 13.
Area Signal Co (DS) (+)	1	138	Node Ctrs 2; RAUs 4; SENs 8.	Trucks 3; HMMWVs 62; TPU 1.
RETRANS Team		7		HMMWVs 2.
TACSAT		8		Trucks 4; HMMWVs 3.
EOD Team	1	5		HMMWVs 3.
ALO	1	13		HMMWVs 4.
Weather	1	5		HMMWVs 2.
CA/PSYOP DST	1	10		HMMWVs 2.
<b>ROTATION SUPPORT</b>				
DTOC	1	6		HMMWVs 2.
Dustbowl Company	1	60		
Division Forward Cell	1	25		
Environmental Team	1	29		SEEs 4; Scoop Loaders 2; Trucks 11; HMMWVs 2; Trailers 1.
DISE (-)	1	30		Tar Acq (JSTARS) CGS
ATS SEC	1	6		

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**TABLE A-4 (Light ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>Armored Cavalry Regiment</b>		<b>4812</b>	<b>Railcar Auth: 409</b>	
HHT	1	129		Trucks 8; HMMWVs 34; MKTs 2; TPU 1; Trailers 10; Water Tlrs 3; Gen/Pwr Spt/AC 24; MILVANS 30.
Light Cavalry Squadron	2	1382		Towed 155mm Howitzers 12; Trucks 118; HMMWVs 362; MKTs 8; TPUs 12; Trailers 114; Water Tlrs 20; Gen/Pwr Spt/AC 52.
Aviation Squadron(-)	1	421	OH58s 24; UH60s 15.	HEMTTs 14; FMTVs 3; LMTVs 27; HMMWVs 35; Fork Lifts 3; MKTs 2; TPUs 15; Trailers 59; Water Tlrs 4; Gen/Pwr Spt/AC 35.
Aviation Maintenance Troop	1	159		FMTVs 30; LMTVs 8; HMMWVs 11; Fork Lifts 2; MKT 1; TPUs 2; Trailers 24; Water Tlrs 2; Gen/Pwr Spt/AC 48.
Med Lift SEC	1	32	CH47s 4.	HMMWVs 1; Trailers 1.
A2C2	1	4		
FSMT	1	21	UH60s 3.	
AVIM	1	91		FMTVs 6; Trucks 6; HMMWVs 4; Crane 1; MKT 1; Trailers 13; Water Tlr 1; Gen/Pwr Spt/AC 13.
Support Squadron	1	586		HEMTTs 12; PLS trucks 3; LMTVs 2; Trucks 140; HMMWVs 77; Fork Lifts 9; PLSs 18; TPUs 7; PLS trailers 3; Trailers 110; Water Tlrs 6; MKTs 3; Gen/Pwr Spt/AC 83.
MI Company(-)	1	127		Trucks 7; HMMWVs 31; TPUs 2; Trailers 19; Water Tlrs 2; Gen/Pwr Spt/AC 48.
Corps Support Bn HQ Det.	1	78		HEMTTs 2; FMTVs 1; Trucks 5; HMMWVs 16; MKTs 2.
ASMC(-)	1	30		HEMTTs 4; Trucks 1; HMMWVs 2.
Ammunition Plt	1	48		PLS Trucks 3; HMMWVs 3; Fork Lifts 7; TPUs 1; PLSs 5.
Quartermaster Co (-)	1	86		HETs 3; FMTVs 28; Trucks 7; HMMWVs 10; Fork Lifts 1; TPU 1; Trailers 30; Load Ramps 1.
Transportation Co (-)	1	103		HETs 12; FMTVs 12; PLS Trucks 22; Trucks 11; HMMWVs 5; PLS Trailers 22; Trailers 12; PLSs 132.
RMMC Element	1	18		
Corps EN Bn HHC	1	74		Cmd Post Carr (577) 3; Pers Carr 2; Trucks 5; HMMWVs 12; MKTs 2.
CSE Platoon (-)	1	36		FT Tractors (D7s) 4; SEEs 2; Scrapers 2; Scoop Loader 1; Graders 2; Trucks 8; HMMWVs 3; Trailers 4.
Combat Engineer Co	1	96		AVLBs 4; Cmd Post Carr (577) 1; Pers Carr 9; Ammo Carr (548) 2; ACEs 7; HEMTTs 2; SEEs 2; MICLICs 4; Trucks 2; HMMWVs 6.

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**TABLE A-4 Cont. (Light ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
Light ACR EN Co	1	122		FT Tractors (D7) 4; HEMTTs 3; FMTVs 4; SEEs 6; Trucks 4; HMMWVs 17; MICLICs 2; TPU 1; Trailers 16; Water Tlr 1; Gen/Pwr Spt/AC 8.
Support Plt	1	55		HEMTTs 7; Trucks 4; HMMWVs 2.
ADA Battery (-)	1	112		ADA HMMWVs (Avenger) 18; Trucks 7; HMMWVs 19; TPU 1; MKT 1.
Chemical Company (-)	1	79		IAV FOX 16; HEMTT 1; Trucks 9; HMMWVs 4; MKT 1; TPUs 2; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 5.
Corps Chemical Smoke Company (2 platoons)	1	36		Smoke Generators 4; LMTVs 2; HEMTT fuel 4; TPU 1; Trlr 1; Gen/Pwr Spt/AC 1.
Corps FA Bn (DS)	1	448	1xQ-36 (Shipped by line haul)	Towed 155mm Howitzers 18; FMTVs 10; Trucks 11; HMMWVs 93; TPU 1; MKTs 2.
Corps FA Bn (GS) (O&I)	1	60		Cmd Post Carr (577) 3; Trucks 1; HMMWVs 11.
MET Section HHB	1	10		HMMWVs 3.
MP Platoon	1	33		HMMWVs 13.
Area Signal Co (DS) (+)	1	138	Node Ctrs 2; RAUs 4; SENs 8.	Trucks 3; HMMWVs 62; TPU 1.
RETRANS Team		7		HMMWVs 2.
TACSAT		8		Trucks 4; HMMWVs 3.
EOD Team	1	5		HMMWVs 3.
ALO	1	13		HMMWVs 4.
Weather	1	5		HMMWVs 2.
CA/PSYOP DST	1	10		HMMWVs 2.
<b>ROTATION SUPPORT</b>				
ATS Support	1	6		HMMWVs 2.
Dustbowl Company	1	60		
Regimental Forward Cell	1	25		
Environmental Team	1	29		SEEs 4; Scoop Loaders 2; Trucks 11; HMMWVs 2; Trailers 1.
DISE (-)	1	30		Tar Acq (JSTARS) CGS 1.

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**TABLE A-5 (Air Assault Brigade)**

<b>Air Asslt Bde</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
<b>AASLT BCT</b>		<b>3045</b>	<b>Railcar Auth: 137</b>	
HHC	1	73		FMTV 1; Trucks 3; HMMWVs 17; TPU 1; MKT 1; Trailers 6; Water Tlr 1; Gen/Pwr Spt/AC 19. MILVANS 45.
Air Assault Infantry Battalion	2	1340		PLS Trucks 4; Trucks 8; FMTVs 4; LMTVs 2; HMMWVs 144; MKTs 6; Trailers 22; Water Tlrs 6; Gen/Pwr Spt/AC 28.
FA Battalion (DS)	1	438		Towed Howitzers 18; FMTVs 12; Trucks 11; HMMWVs 89; TPU 1; MKTs 2; Trailers 23; Water Tlrs 5; Gen/Pwr Spt/AC 50.
FA BN (O & I)	1	60		Cmd Post Carr (577) 3; Trucks 1; HMMWVs 11.
MET SEC HHB	1	10		HMMWVs 3.
ADA Battery PLT HQ	1	24		LMTVs 4; HMMWVs 4; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 5.
ADA MANPADS PLT	1	28		HMMWVs 14; Gen/Pwr Spt/AC 2.
ADA AVENGER PLT	1	32		ADA HMMWVs 12; HMMWVs 4; Gen/Pwr Spt/AC 2.
SCT/SEN SEC	1	12		HMMWVs 5; Radars 2; Gen/Pwr Spt/AC 4.
EN BN Spt Element	1	11		HMMWVs 2; Trailers 2.
EN Company	1	94		SEEs 6; MTD Auger Boom 3; LMTV 1; HMMWVs 14; Trailers 12; Gen/Pwr Spt/AC 4.
CSE PLT (-)	1	36		Tracked Tractor (D7) 4; SEEs 2; Scrapers 2; Graders 2; Scoop Loader 1; FMTVs 3; Tractor Trucks 4; Trucks 5; HMMWVs 3.
EOD Team	1	5		HMMWVs 3.
MI Company (DS)	1	44		HMMWVs 12; Trailers 6; Tar Acq CGS (JSTARS) 1; GSRs 3; Gen/Pwr Spt/AC 12.
MI Company (-) (GS)	1	24		HMMWVs 10; Gen/Pwr Spt/AC 3.
Smoke/Decon PLT	1	29		Smoke Generator (M56) 6; FMTVs 6; HMMWVs 7; TPUs 2; Trailers 10.
Area SIG Company (DS)	1	112	Node Centers 2; RAUs 4; SENs 8.	LMTVs 2; HMMWVs 44; Trailers 17; Water Tlr 1; Gen/Pwr Spt/AC 40.
RETRANS TM	1	7		HMMWVs 2.
TACSAT	1	8		Trucks 4; HMMWVs 3.
EPLRS SEC	1	16		Trucks 4; HMMWVs 2.
MP PLT	1	20		HMMWVs 7; Trailers 4.
ALO TM	1	19		HMMWVs 4.
Pathfinder TMs	1	12		HMMWVs 3.
Weather	1	10		HMMWVs 3.
Forward Support Battalion	1	236		HEMTTs 2; PLS Trucks 3; FMTVs 5; Trucks 26; HMMWVs 39; Fork Lifts 12; PLSs 18; MKT 1; PLS Trailers 3; Trailers 18; Water Tlrs 4; Gen/Pwr Spt/AC 29.
MSB HQ DET	1	68		HEMTTs 2; Trucks 6; HMMWVs 14; MKT 1.

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**TABLE A-5 Cont. (Air Assault Brigade)**

<b>Air Asslt Bde</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
Med Spt PLT (-)	1	20		LMTV 1; HMMWVs 6; Trailers 4; Water Tlr 1; Gen/Pwr Spt/AC 2.
SPT PLT (-)	1	34		HEMTTs 5; FMTVs 13; HMMWV 3; Fork Lifts 3; TPU 1; Trailers 3; Gen/Pwr Spt/AC 3.
LT/MED Truck PLT	1	45		FMTVs 15; HMMWVs 1; Trailers 3.
DMMC Element	1	18		HMMWVs 6.
CA/PSYOP DST	1	10		HMMWVs 2
<b>ROTATION SUPPORT</b>				
ATS SEC	1	6		
DIV FWD	1	25		
Dustbowl Company	1	60		
Environmental Team	1	29		Scoop Loaders 2; SEEs 4; Trucks 1; HMMWVs 2; Trailers 1.
DISE (-)	1	30		

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**TABLE A-6 (Airborne Brigade)**

<b>Airborne Bde</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
<b>ABN BCT</b>		<b>3054</b>	<b>Railcar Auth: 131</b>	
HHC	1	75		FMTV 1; Trucks 3; HMMWVs 19; TPU 1; MKT 1; Trailers 8; Water Tlr 1; Gen/Pwr Spt/AC 22. MILVANS 30.
Airborne Infantry Battalion	2	1346		Trucks 30; HMMWVs 104; Trailers 28; Water Tlrs 8; Gen/Pwr Spt/AC 22.
FA Battalion (DS)	1	438	Q36, 1. Line haul.	Towed 105mm Howitzers 18; FMTVs 10; Trucks 14; HMMWVs 97; TPU 2; MKTs 2; Trailers 31; Water Tlrs 6; Gen/Pwr Spt/AC 41.
FA BN (O & I)	1	60		Cmd Post Carr (577) 3; Trucks 1; HMMWVs 11.
MET SEC HHB	1	10		HMMWVs 3.
ADA Battery PLT HQ	1	22		LMTVs 4; HMMWVs 4; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 2.
ADA MANPADS PLT	1	24		HMMWVs 12; Gen/Pwr Spt/AC 2.
ADA AVENGER PLT	2	32		ADA HMMWVs 12; HMMWVs 4; Gen/Pwr Spt/AC 2.
SCT/SEN SEC	1	12		HMMWVs 5; Radars 2; Gen/Pwr Spt/AC 4.
EN BN Spt Element	1	11		HMMWVs 2; Trailers 2.
EN Company	1	94		SEEs 6; MTD Auger Boom 3; LMTV 1; HMMWVs 14; Trailers 9; Water Tlr 1; Gen/Pwr Spt/AC 2.
CSE PLT (-)	1	36		Tracked Tractor (D7) 4; Scrapers 2; Graders 2; Scoop Loader 1; SEEs 2; FMTVs 3; Tractor Trucks 4; Trucks 5; HMMWVs 3.
EOD Team	1	5		HMMWVs 3.
MI Company (DS)	1	40		HMMWVs 12; Trailers 6; GSRs 3; Gen/Pwr Spt/AC 11.
MI Company (-) (GS)	1	24		HMMWVs 10; Gen/Pwr Spt/AC 3.
Smoke/Decon PLT	1	29		Smoke Generator (M56) 6; FMTVs 6; HMMWVs 7; TPUs 2; Trailers 10.
Area SIG Company (DS)	1	112	Node Centers 2; RAUs 4; SENs 8.	LMTVs 2; HMMWVs 47; Trailers 17; Water Tlr 1; Gen/Pwr Spt/AC 44.
RETRANS TM	1	6		HMMWVs 2, Trailers 2; Gen/Pwr Spt/AC 3.
TACSAT	1	5		LMTV 1; HMMWVs 3; Gen/Pwr Spt/AC 3.
EPLRS SEC	1	16		Trucks 4; HMMWVs 2.
MP PLT	1	21		HMMWVs 12; Trailers 4.
ALO TM	1	19		HMMWVs 4.
Pathfinder TMs	1	12		HMMWVs 3.
Weather	1	10		HMMWVs 3.
Forward Support Battalion	1	250		HEMTTs 2; PLS Trucks 3; FMTVs 4; LMTVs 27; HMMWVs 52; Fork Lifts 7; PLSs 18; MKT 1; TPU 3; PLS Trailers 3; Trailers 23; Water Tlrs 4; Gen/Pwr Spt/AC 32.
MSB HQ DET	1	68		HEMTTs 2; Trucks 6; HMMWVs 14; MKT 1.

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**TABLE A-6 Cont. (Airborne Brigade)**

<b>Airborne Bde</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
Med Spt PLT (-)	1	20		LMTV 1; HMMWVs 6; Trailers 4; Water Tlr 1; Gen/Pwr Spt/AC 2.
SPT PLT (-)	1	34		HEMTTs 5; FMTVs 13; HMMWV 3; Fork Lifts 3; TPU 1; Trailers 3; Gen/Pwr Spt/AC 3.
LT/MED Truck PLT	1	45		FMTVs 15; HMMWVs 1; Trailers 3.
DMMC Element	1	18		HMMWVs 6.
CA/PSYOP DST	1	10		HMMWVs 2.
<b>ROTATION SUPPORT</b>				
ATS SEC	1	6		
DIV FWD	1	25		
Dustbowl Company	1	60		
Environmental Team	1	29		Scoop Loaders 2; SEEs 4; Trucks 1; HMMWVs 2; Trailer 1.
DISE (-)	1	30		



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**TABLE A-7 (Light Brigade)**

<b>Light Bde</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
<b>Light Bde BCT (2 IN Bn)</b>		<b>2723</b>	<b>Railcar Auth: 112</b>	
HHC	1	78		FMTV 2; LMTVs 2; HMMWVs 17; TPU 1; MKT 1; Trailers 9; Water Tlr 1; Gen/Pwr Spt/AC 18. MILVANS 30.
Light Infantry Battalion	2	1132		HEMTTs 4; LMTVs 4; HMMWVs 82; Trailers 56; Water Tlrs 4; Gen/Pwr Spt/AC 16.
FA Battalion (DS)	1	408	Q36, 1 (Line hauled).	Towed 105mm Howitzers 18; FMTVs 8; LMTVs 9; HMMWVs 79; TPU 2; MKTs 2; Trailers 23; Water Tls 5; Gen/Pwr Spt/AC 40.
FA BN (O & I)	1	60		Cmd Post Carr (577) 3; Trucks 1; HMMWVs 11.
MET SEC HHB	1	10		HMMWVs 3.
ADA Battery HQ PLT	1	24		LMTVs 3; HMMWVs 2; Trailers 2; Water Tlr 1; Gen/Pwr Spt/AC 4.
ADA MANPADS SEC (-)	1	12		HMMWVs 6.
ADA AVENGER PLT	1	32		ADA HMMWVs 12; HMMWVs 4; Gen/Pwr Spt/AC 2.
SCT/SEN SEC	1	12		HMMWVs 6; Radars 2; Gen/Pwr Spt/AC 6.
LT EN BN Spt Element	1	14		DEUCEs 2; SEEs 6; Mtd Auger Boom 2; Tractor Trucks 2; Trailers 2.
EN Company	1	98		FMTV 1; LMTV 1; HMMWVs 13; Trailers 12; Gen/Pwr Spt/AC 2.
CSE PLT (-)	1	36		Tracked Tractor (D7) 4; Scoop Loader 1; SEEs 2; Scrapers 2; Graders 2; FMTVs 3; Tractor Trucks 4; Trucks 5; HMMWVs 3.
EOD Team	1	5		HMMWVs 3.
JSTARS		4		
MI Company (DS)	1	38		HMMWVs 13; Trailers 5; Gen/Pwr Spt/AC 17.
MI Company (-) (GS)	1	28		HMMWVs 8; Radars 2; Gen/Pwr Spt/AC 3.
Chem CO HQ (-)	1	20		Trucks 3; HMMWVs 4; Trailers 1.
Chem Recon SQD	1	8		IAV FOX 2.
Smoke/Decon PLT	1	29		Smoke Generators (M56) 6; FMTVs 6; HMMWVs 7; TPUs 2; Trailers 10.
Area SIG Company (DS)	1	137		FMTV 1; LMTVs 2; HMMWVs 27; Trailers 22; Water Tlr 1; Gen/Pwr Spt/AC 40.
RETRANS TM	1	7		HMMWVs 2; Trailers 2; Gen/Pwr Spt/AC 6.
TACSAT	1	8		FMTVs 2; LMTVs 1; HMMWVs 3; Gen/Pwr Spt/AC 7.
EPLRS SEC	1	16		HMMWVs 2.

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**TABLE A-7 Cont. (Light Brigade)**

<b>Light Bde</b>	<b># UNIT S</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
MP PLT	1	22		HMMWVs 7; Trailers 1.
ALO TM	1	19		HMMWVs 4.
Weather	1	10		HMMWVs 3.
Forward Support Battalion	1	193		HEMTTs 2; PLS Trucks 3; FMTVs 11; LMTVs 13; HMMWVs 41; Fork Lifts 6; TPU 1; PLSs 18; MKT 1; PLS Trailers 3; Trailers 30; Water Tlrs 2; Gen/Pwr Spt/AC 31.
MSB HQ SPT DET	1	14		HMMWVs 3; Forklifts 1.
Fwd Med Spt Element	1	18		HMMWVs 6; Trailers 2.
Light/Medium Truck Company (-)	1	53		FMTVs 13; Trucks 1; HMMWVs 1; Trailers 3; Water Tlr 1; Gen/Pwr Spt/AC 2.
DMMC Element	1	18		HMMWVs 6.
CA/PSYOP DST	1	10		HMMWVs 2.
<b>ROTATION SUPPORT</b>				
DTOC/DIV FWD	1	25		
Dustbowl Company	1	60		
Environmental Team	1	29		Scoop Loaders 2; SEEs 4; Trucks 11; Trailers 1.
DISE (-)	1	30		
ATS Section	1	6		

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**TABLE A-8 (IBCT BDE Template)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>IBCT BDE (2 IN Bns)</b>		<b>3606</b>	<b>Railcars Auth: 445</b>	
HHC	1	116		<b>IAVs 2</b> (Cdr Veh); <b>FMTVs 2</b> ; <b>HMMWVs 33</b> ; Trailers 17; Water Tlr 1; Gen/Pwr Spt/AC 13; <b>MILVANS 30</b>
IBCT IN Bn	2	1330	2 x HHC 6 x IN Co	<b>IAVs 148</b> (16 Cdr Veh, 72 ICVs, 18 MGSs, 20 Mortar, 6 FSVs, 8 Medic, 8 Recon); <b>FMTVs 24</b> ; <b>HMMWVs 68</b> ; Trailers 48; Water Tlrs 16; Gen/Pwr Spt/AC 14
RSTA Squadron	1	408	1 x HHT 3 x Recon Troop 1 x Surveillance Troop	<b>IAVs 59</b> (1 Cdr Veh, 6 ICVs, 6 Mortar, 3 FSVs, 4 Medic, 3 NBC FOX, 36 Recon); <b>FMTVs 12</b> ; <b>HMMWVs 54</b> ; <b>UAV 1</b> ; Trailers 45; Water Tlrs 5; Gen/Pwr Spt/AC 16
IBCT Anti-Armor Co	1	51	3 x Anti-Armor Plts 1 x Medic Sect 1 x Fire Spt Team	<b>IAVs 10</b> (1 FSV, 9 ATGM); <b>FMTVs 2</b> ; <b>HMMWVs 3</b> ; Trailers 1; Water Tlr 1
IBCT FA Bn	1	285	1 x HSB 3 x FA Battery	155mm Towed Howitzer 12; <b>FMTVs 32</b> ; <b>HMMWVs 48</b> ; Trailers 27; Water Tlrs 4; Gen/Pwr Spt/AC 16
IBCT EN Co	1	119	3 x Cmbt Mobility Plts 1 x Mobility Spt Plt	<b>IAVs 9</b> (En Veh); <b>HEMTTs 4</b> ; <b>FMTVs 1</b> ; Trucks, Trans. Br. <b>HEMTT 4</b> ; <b>HMMWVs 10</b> ; 100' <b>MGB</b> ; <b>SEEs 6</b> ; Trailers 17; Water Tlrs 1; Gen/Pwr Spt/AC 1 Pallets/PLS 8
BSB HQ & Dist Co	1	143	1 x Fuel & Water Spt Plt 1 x Supply Spt Plt 1 x Trans Plt	<b>HEMTTs 42</b> ; <b>FMTVs 1</b> ; <b>HMMWVs 30</b> ; Fork Lift 5; Bed Cargo <b>PLS 70</b> ; <b>PLS Trailers 40</b> ; Trailers 20; Water Tlr 1; Gen/Pwr Spt/AC 9
BSB Maintenance Co	1	171	1 x Mnt Crl Sect/Plt 1 x Vehicle Repair Plt 1 x Maint Spt Plt	<b>HEMTTs 22</b> ; <b>FMTVs 25</b> ; <b>HMMWVs 27</b> ; Fork Lft 1; Trailers 42; Water Tlr 1; Gen/Pwr Spt/AC 17
BSB Medical Co	1	65	1 x Treatment Plt 1 x Evac Plt	<b>FMTVs 5</b> ; <b>HMMWVs 22</b> ; Trailers 18; Water Tlr 1; Gen/Pwr Spt/AC 8
<b>Divisional Support</b>				
CSSC HQ (DIV)	1	10	1 x Medical Treatment Team	<b>FMTV 1</b> ; <b>HMMWV 3</b> ; Trailers 2; Gen/Pwr Spt/AC 1
CSSC Maint. Plt (DIV)	1	79	1 x Vehicle Spt Tm 1 x GSE Spt Tm 1 x Elect Spt Tm 1 x FA CRT Spt Tm 4 x CRT Spt Tms 1 x Armament Spt Tm	<b>HEMTTs 8</b> ; <b>FMTVs 15</b> ; <b>HMMWVs 17</b> ; Trailers 26; Gen/Pwr Spt/AC 7
CSSC Field Feeding Plt (DIV)	1	104	1 x BDE/RSTA Fld Fdg Tm 3 x IN Fld Fdg Tms 1 x FA Fld Fdg Tm 1 x BSB Fld Fdg Tm	<b>HEMTTs 6</b> ; <b>FMTVs 22</b> ; <b>HMMWVs 21</b> ; Trailers 20; Water Tlrs 11; <b>MKTs 11</b> ; Gen/Pwr Spt/AC 11
CSSC S & T Plt (DIV)	1	30	1 x Trans Sect 1 x Supply Sect	<b>HEMTTs 9</b> ; <b>HMMWVs 3</b> ; Fork Lifts 2; Bed Cargo <b>PLS 18</b> ; Trailers 10; Gen/Pwr Spt/AC 1

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**TABLE A-8 Cont. (IBCT BDE Template)**

<b>UNIT AND SUBUNITS</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
IBCT Sig Co	1	73	1 x BSB Plt 1 x TOC Plt 1 x Sig Spt Plt 3 x Trojan Spirit Tms	HMMWVs 33; Trailers 3; Gen/Pwr Sp/AC 18
MI Company	1	71	1 x ISR Analysis Plt 1 x ISR Integ. Plt 1 x Tac HUMINT Plt	FMTVs 3; HMMWVs 19; Trailers 7; Gen/Pwr Sp/AC 8
<b>DIV/CORPS SUPPORT</b>				
Corps ADA Btry (-)	1	112		Trucks 7; ADA HMMWVs 18; HMMWVs 19; MKT 1; TPU 1.
Corps FA Bn (-)	1	60		Cmd Post Carr (M577) 3; Trucks 1; HMMWVs 11.
Corps/Div Sig Co (+)	1	138		Trucks 3; TPU 1; HMMWVs 62.
Corps/Div MP Plt	1	33		HMMWVs 13.
Corps/Div Retrans Tm	1	7		HMMWVs 2.
TACSAT	1	8		Trucks 4; HMMWVs 3.
EOD Team	1	5		HMMWVs 3
MET Section HHB	1	10		HMMWVs 3
ALO	1	13		HMMWVs 4
Weather	1	5		HMMWVs 2
CA/PSYOP DST	1	10		HMMWVs 2.
<b>ROTATION SUPPORT</b>				
ATS Section	1	6		
Dustbowl Company	1	60		
Division Forward Cell	1	25		
Environmental Team	1	29		SEEs 4; Scoop Loaders 2; Trucks 11; HMMWVs 2; Trailers 1.
DISE (-)	1	30		Tar Acq CGS (JSTARS): 1.

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**TABLE A-9 (LIGHT INFANTRY BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>LIGHT BN</b>		<b>783</b>	<b>Railcar Auth: 40</b>	
LIGHT IN BN	1	566		TOW HMMWVs 4; HEMTTs 2; LMTV 2; HMMWVs 37; Trailers 28; Water Tlrs 2; Gen/Pwr Spt/AC 8; MILVANS 4.
ADA PLT	1	16		ADA HMMWVs (Avengers) 4; HMMWVs 4; Gen/Pwr Spt/AC 1.
EN PLT (+)	1	29		SEEs 2; HMMWVs 4; Trailers 4.
Lt Truck Spt Elem	1	9		FMTVs 4; HMMWV 1.
FA Battery (DS)	1	64		105mm Towed Howitzers 6; FMTVs 2; LMTV 1; HMMWVs 15; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 3.
FIST Teams		34		HMMWV 1.
Light Support Company Team	1	65		PLS Truck 1; HEMTT 1; FMTV 5; LMTVs 6; HMMWVs 20; Fork Lift 3; MKT 1; PLSs 6; Trailers 9; Water Tlr 1; Gen/Pwr Spt/AC 13.

**TABLE A-10 (DIVISION CAVALRY SQUADRON)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>DIV CAV</b>		<b>989</b>	<b>Railcar Auth: 123</b>	
CAV Sqdn	1	777	OH58s 16.	Tanks 27; IFVs 41; Mortar Carr 6; Cmd Post Carr (C2V) 3; Cmd Post Carr (577) 6; Pers Carr 13; Tr Recov Veh 5; HEMTTs 27; Trucks 31; HMMWVs 39; Fork Lifts 2; MKTs 3; TPUs 3; Trailers 42; Water Tlrs 8; Gen/Pwr Spt/AC 32; MILVANS 8.
ADA PLT (Avenger)	1	19		ADA HMMWVs 6; LMTV 1; HMMWV 2; Tlrs 3; Gen/Pwr Spt/AC 2.
Engineer Company	1	96		Cmd Post Carr (577) 1; Ammo Carr (548) 2; ACEs 7; Pers Carr 9; AVLBs 4; SEEs 4; MICLICs 4; HEMTTs 4; Trucks 2; HMMWVs 5; Trailers 4; Water Tlr 1; Gen/Pwr Spt/AC 1.
Forward Element Log	1	80		Pers Carr 3; Tr Recov Veh 1; HETs 2; PLS Truck 1; FMTVs 20; LMTVs 6; HMMWVs 5; Fork Lifts 2; TPU 1; PLSs 6; PLS Tlr 1; Trailers 18; Gen/Pwr Spt/AC 2.
ALO	1	5		HMMWVs 2.
FST (3 teams)	1	12		FSV Veh 3.

**TABLE A-11 (AASLT INFANTRY BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AASLT BN</b>		<b>884</b>	<b>Railcar Auth: 45</b>	
AASLT IN BN	1	670		TOW HMMWVs 20; FMTVs 4; LMTV 1; Trucks 4; HMMWVs 52; MKTs 3; Trailers 11; Water Tlrs 3; Gen/Pwr Spt/AC 14; MILVANS 4.
Sapper PLT	1	29		SEEs 3; HMMWVs 4; Trailers 4.

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**TABLE A-11 Cont. (AASLT INFANTRY BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
ADA PLT	1	20		ADA HMMWVs 4; HMMWVs 6; Gen/Pwr Spt/AC 1.
Forward Area Support Team	1	27		FMTV 1; LMTVs 4; HMMWVs 6; Fork Lift 1; MKT 1; Gen/Pwr Spt/AC 3.
Lt/Med Truck PLT	1	36		FMTVs 5; HMMWV 1; TPU 1; Trailers 1.
FA Battery (DS)	1	68		105mm Towed Howitzers 6; FMTVs 3; Trucks 1; HMMWVs 16; Trailers 5; Water Tlr 1; Gen/Pwr Spt/AC 5.
FIST Teams		34		HMMWVs 4; Gen/Pwr Spt/AC 5.

**TABLE A-12 (AIRBORNE INFANTRY BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>ABN BN</b>		<b>879</b>	<b>Railcar Auth: 42</b>	
ABN IN BN	1	673		TOW HMMWVs 20; Trucks 15; HMMWVs 40; Trailers 14; Water Tlrs 4; Gen/Pwr Spt/AC 12; MILVANS 4.
Engineer PLT	1	29		SEEs 3; HMMWVs 4; Trailers 3.
ADA PLT	1	18		ADA HMMWVs 4; HMMWVs 5; Gen/Pwr Spt/AC 1.
Forward Area Support Team	1	27		FMTV 1; LMTVs 4; HMMWVs 4; Fork Lift 1; MKT 1; Gen/Pwr Spt/AC 3.
Lt/Med Truck PLT	1	36		FMTVs 5; HMMWV 1; TPU 1; Trailers 1.
FA Battery (DS)	1	62		105mm Towed Howitzers 6; FMTVs 3; HMMWVs 15; Trailers 6; Gen/Pwr Spt/AC 3.
FIST Teams		34		HMMWVs 5; Gen/Pwr Spt/AC 2.

**TABLE A-13 (LCD MECHANIZED INFANTRY BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>LCD MECH BN</b>		<b>799</b>	<b>Railcar Auth: 78</b>	
Infantry Bn (MECH)	1	704		IFVs 44; Cmd Post Carr (M577) 7; Mortar Carr 4; Pers Carr 14; Tr Recov Veh 6; HEMTTs 17; FMTVs 4; LMTVs 31; HMMWVs 36; MKTs 2; TPUs 7; Trailers 26; Water Tlrs 6; Gen/Pwr Spt/AC 14; MILVANS 5.
Engineer Company	1	95		ACEs 7; AVLBs 4; Cmd Post Carr (577) 1; Ammo Carr (548) 2; Pers Carr 9; MICLICs 4; SEEs 3; HEMTTs 4; LMTVs 1; Trucks 2; HMMWVs 5; Trailers 7; Water Tlr 1; Gen/Pwr Spt/AC 1.

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**TABLE A-14 (LCD ARMOR BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>LCD AR BN</b>		<b>593</b>	<b>Railcar Auth: 82</b>	
Armor Battalion	1	498		Tanks 44; Mortar Carr 4; Cmd Post Carr (C2V) 3; Cmd Post Carr (577) 4; Pers Carr 13; Mineplows 9; Minerollers 3; Tr Recov Veh 6; HEMTTs 26; LMTVs 26; FMTVs 7; HMMWVs 48; MKT 2; TPUs 2; Trailers 26; Water Tlrs 6; Gen/Pwr Spt/AC 14; MILVANs 5.
Engineer Company	1	95		ACEs 7; AVLBs 4; Cmd Post Carr (577) 1; Ammo Carr (548) 2; Pers Carr 9; MICLICs 4; SEEs 3; HEMTTs 4; LMTV 1; HMMWVs 5; Trucks 2; Trailers 7; Water Tlr 1; Gen/Pwr Spt/AC 1.

**TABLE A-15 (IBCT INFANTRY BATTALION TASK FORCE Template)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>IBCT IN BN TF</b>		<b>(977)</b>	<b>Railcar Auth: 93</b>	
IBCT IN Bn	1	665	1 x HHC 3 x IN Co	IAVs 74 (8 Cdr Veh, 36 ICVs, 9 MGSs, 10 Mortar, 3 FSVs, 4 Medic, 4 Recon); FMTVs 12; HMMWVs 34; Trailers 24; Water Tlrs 8; Gen/Pwr Spt/AC 7; MILVANS 5
IBCT Recon Troop	1	90		IAVs 15 (2 Mortar, 1 FSV, 12 Recon); FMTVs 1; Mortar Tlrs 2; HMMWVs 3; Trailers 5; Water Tlr 1
IBCT Anti-Armor Plt	1	12		IAVs 3 (ATGM)
IBCT FA Battery	1	61		155mm Towed Howitzer 4; FMTVs 9; HMMWVs 4; Trailers 5; Water Tlrs 1; Gen/Pwr Spt/AC 1
IBCT EN Co (-)	1	51	1 x Cmbt Mobility Plt 1 x Mobility Spt Plt	IAVs 3 (EN Veh); Tractor Trucks 4; HMMWVs 3; 100' MGB; DEUCes 6; SEEs 6; Trailers 3
BSB (-)	1	50		HEMTTs 6; FMTVs 5; HMMWVs 8; Trailers 6
CSSC (-)	1	43		FMTVs 12; HMMWVs 9; TPU 1; MKTs 3; Trailers 10; Water Tlrs 3
ALO	1	5		HMMWVs 2

**TABLE A-16 (CAVALRY SQUADRON, HEAVY ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>CAV SQDN HVY ACR</b>		<b>1113</b>	<b>Railcar Auth: 150</b>	
Hvy Grnd Cav Sqdn	1	875		Tanks 41; IFVs 41; PALADINS 6; Mortar Carr 6; FSV 6; Cmd Post Carr (577) 12; Pers Carr 17; Ammo Carr (992) 6; AVLBs 3; Tr Recov Veh 6; HEMTTs 30; PLS Trucks 6; FMTVs 6; LMTVs 35; HMMWVs 43; TPUs 2; Mineplows 6; Minerollers 3; PLSs 6; Trailers 33; Water Tlr 10; MKTs 4; Gen/Pwr Spt/AC 16; MILVANs 8.
Air Calvary Troop with AVUM	1	38	OH58s 8.	LMTV 1; HMMWVs 2; Trailers 3; Gen/Pwr Spt/AC 1.

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**TABLE A-16 Cont. (CAVALRY SQUADRON, HEAVY ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
Avenger Platoon	1	19		ADA HMMWVs 4; HMMWV 1.
Engineer Co (DS)	1	96		Cmd Post Carr (M577) 1; Ammo Carr (M548) 2; ACEs 7; AVLBs 4; Pers Carr 9; MICLICs 4; SEEs 2; HEMTTs 2; Trucks 2; HMMWVs 5.
Forward Logistics Element	1	80		Pers Carr 3; Tr Recov Veh 1; HETs 2; FMTVs 20; Fork Lifts 2; PLS Trk 1; LMTVs 6; HMMWVs 5; TPUs 1; PLSs 6; PLS Trlrs 1; Trailers 18; Gen/Pwr Spt/AC 2.
ALO	1	5		

**TABLE A-17 (CAVALRY SQUADRON, LIGHT ACR)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>CAV SQDN LIGHT ACR</b>		<b>848</b>	<b>Railcar Auth: 94</b>	
Light Ground Cavalry Squadron	1	691		Towed 155mm Howitzers 6; Trucks 59; HMMWVs 181; MKTs 4; TPUs 6; Trailers 57; Water Tlrs 10; Gen/Pwr Spt/AC 26; MILVANS 4.
Air Recon Troop with AVUM	1	38	OH58s 8	LMTV 1; HMMWVs 2; Trailers 3; Gen/Pwr Spt/AC 2.
Avenger Platoon	1	19		ADA HMMWVs 4; HMMWV 2.
Engineer Platoon	1	37		FT Tractor (D7) 2; MICLICs 1 SEEs 2; HEMTTs 1; FMTVs 2; HMMWVs 5; Truck 1; Trlrs 5.
Chem Recon Platoon	1	27		IAV FOX 8; HMMWV 1.
Forward Logistics Element	1	31		HEMTTs 1; Trucks 3; HMMWVs 7; Trailers 1; Gen/Pwr Spt/AC 5.
ALO	1	5		HMMWVs 2

**TABLE A-18 (FORCE XXI MECHANIZED INFANTRY BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>FXXI MECH BN TF</b>		<b>808</b>	<b>Railcar Auth: 83</b>	
Infantry (MECH) Bn	1	569		IFVs 44; Cmd Post Carr (M577) 5; Cmd Post Carr (C2V) 3; Mortar Carr 4; Pers Carr 10; Trucks 11; HMMWVs 26; Trailers 7; Water Tlrs 4; Gen/Pwr Spt/AC 7; MILVANS 5.
Engineer Company	1	84		Cmd Post Carr (577) 1; Ammo Carr (548) 2; ACEs 4; AVLBs 4; Pers Carr 9; MICLICs 4; HEMTTs 2; Trucks 2; HMMWVs 5; Trailers 4; Water Tlr 1; Gen/Pwr Spt/AC 2.
Forward Support	1	155		Cmd Post Carr (M577) 1; Pers Carr 4; Tr Recov Veh



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UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
Company				6; HEMTTs 18; Trucks 32; HMMWVs 11; TPUs 3; MKTs 3; Trailers 28; Water Tlrs 4; Gen/Pwr Spt/11.

**TABLE A-19 (FORCE XXI ARMOR BATTALION)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>FXXI AR BN</b>		<b>616</b>	<b>Railcar Auth: 90</b>	
Armor Battalion	1	348		Tanks 44; Mortar Carr 4; Cmd Post Carr (577) 8; Pers Carr 10; Mineplows 12; Minerollers 4; Trucks 12; HMMWVs 27; Trailers 6; Water Tlrs 4; Gen/Pwr Spt/AC 8; MILVANs 5.
Engineer Company	1	84		ACEs 4; AVLBs 4; Cmd Post Carr (577) 1; Ammo Carr (548) 2; Pers Carr 9; MICLICs 4; HEMTTs 2; Trucks 2; HMMWVs 5; Trailers 4; Water Tlr 1; Gen/Pwr Spt/AC 2.
Forward Support Company	1	184		Cmd Post Carr (577) 1; Pers Carr 4; Tr Recov Veh 6; HEMTTs 23; Trucks 30; HMMWVs 11; TPUs 3; MKTs 2; Trailers 31; Water Tlrs 3; Gen/Pwr Spt/AC 11.

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**TABLE A-20 (ARNGESB Template)**

	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>ARNG Enhanced Separate Brigade</b>		<b>4258</b>		
HHC Brigade	1	<b>(282)</b>		
Command Sect	1	12		1 x M113, 3 x M998
XO Sect	1	6		3 x M998
S1/AG Section	1	4		1 x M998
Pers Acct/Str Rpt Sec	1	8		
Pers Readiness Mgt	1	6		1 x M35
Pers Ops BR	1	4		1 x M35
S2 Section	1	15		2 x M577, 1 x M998
S3 Section	1	29		3 x M577, 2 x M998, 1 x M35
S4 Section	1	10		1 x M577, 1 x M998, 1 x M35
S5 Section	1	2		1 x M998
BDE Chemical Sect	1	7		1 x M998
SMK/DECON Plt HQ	1	3		1 x M113
SMK Squads	2	18		6 x M1059
Decon Squad	1	6		1 x M978 , 1 x M923
NBC Recon Sqd	1	4		1 x M998
Provost Marshall Sect.	1	4		1 x M998
MP Platoon	1	39		13 x M1026
C-E Staff Section	1	9		1 x M1037, 1 x M998, 1 x M35
Signal Platoon	1	18		6 x M998
Public Affairs Section	1	2		1 x M998
Staff JA Section	1	11		1 x M998
IG Section	1	2		
Unit Ministry Team	1	2		1 x M998
Co HQ	1	14		3 x M998, 2 x M997, 1 x M35
Food Service Section	1	11		2 x M35
Maintenance Section	1	21		1 x M998, 1 M987, 1 x M35, 1 x M923, 1 x M816, 1 x M88
BTOC SPT Element	1	2		
CM & D Section	1	8		1 x M577
Intel Prod Section	1	5		1 x M577
Cavalry Troop	1	<b>(171)</b>		
Troop HQ	1	19		1 x M113, 1 x M577, 1 x M35 1 x M3A2, 1 x M1A2, 1 x M998
Mortar Section	1	9		2 x M1064, 1 x M998
Scout Platoon	2	60		12 x M3A2
Tank Platoon	2	32		8 x M1A2
Maintenance Section	1	21		1 x M113A3, 1 x M88, 1 x M998, 2 x M35, 1 x M923

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**TABLE A-20 Cont. (ARNGESB Template)**

<b>Units and Submits</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
Food Service Section	1	5		2 x M35
Resupply Section	1	17		3 x M977, 4 x M978
Ambulance Squad	1	7		2 x M113
CBT Medic Section	1	1		
Infantry Battalion (Mech)	1	<b>703</b>	HHC 3 x Mech IN Co's	4 x M1064, 14 x M113, 7 x M577, 44 x M2A2, 6 x M88, 6 x M978, 1 x M816, 1 x M987, 10 x M977, 10 x M1026, 30 x M35, 4 x M923, 26 x M998
Armor Battalion	1	<b>501</b>	HHC 3 x AR Co's	4 x M1064, 6 x M88, 7 x M577 13 x M113, 4 x M923, 1 x M816 44 x M1A1, 12 x M977, 28 x M998, 10 x M1026, 1 x M987, 13 x M978, 26 x M35
Artillery Battalion	1	<b>638</b>	HHC MET Section 3 x FA Batteries 1 x Service Battery	16 x M113, 18 x M109A6, 18 x M992, 13 x M577, 1 x AN/TPQ-36, 4 x M88, 23 x M1075, 1 x M997, 4 x M978, 25 x M977, 1 x M987 19 x M35, 5 x M923
Artillery Battalion HQ (GS)(O&I)	1	<b>60</b>	TOC/FDC	11 x M998, 3 x M577, 1 x M35
Engineer Battalion (-)	1	<b>(360)</b>		
HHC	1	132		2 x M113, 3 x M577, 2 x M88, 14 x M998, 2 x M977, 6 x M35, 4 x M978, 1 x M984, 1 x M923
DS Engineer Co	2	192		18 x M113, 8 x AVLB, 4 x SEE, 4 x M548, 2 x M577, 2 x M923, 4 x M1038, 2 x M35, 4 x M977, 6 x M998, 14 x ACE, 8 x MICLIC,
CSE Platoon (-)	1	36	HQ Section Earthmoving Sec (+) Dump Trk Sec Equipment Sec (-) Maint Sec – 6 pers.	3 x M998, 2 x Grader, 4 x M916, 2 x Scraper, 4 x M870, 2 x SEE, 3 x M928, 1 x Bucket Loader, 1 x Contact Trk, 4 x D7, 4 x M917
ADA Battery (+)	1	<b>(182)</b>		
Battery HQ	1	31		1 x M577, 2 x M998, 1 x M35
AD Coord Sect	1	5		1 x M998
Maint Plt	1	16		2 x M998, 1 M35, 2 x M923
SFV Platoon	2	52		12 x M113
MPADS Plt	1	23		12 x M998
MSCS Plt	1	28		9 x M998
Avenger Platoon	1	15	MTO&E + 3 Mech.	1 x M998, 1 x M1038, 4 x Avenger
Scout/Sensor (GBS)	1	12	MTO&E + 2 Mech.	2 x AN/MPQ-64 Radar 2 x M1038, 2 x M998
MI Company (+)	1	<b>(83)</b>		

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**TABLE A-20 Cont. (ARNGESB Template)**

<b>Units and Submits</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
DS MI Company	1	39		7 x M998, 3 x AN/PPS-5
Battalion Support Cell	1	20	Veh, CE, IEW Maintenance	1 x M35, 3 x M998, 1 x M936
GS MI Co (-)	1	24	C&J Plt – 18 pers EW Team – 6 pers	1 x M923, 2 x M1038, 6 x M998, 1 x AN/PRD-12
Chemical Decon Platoon	1	<b>20</b>		1 x M998, 3 x M923, 3 x M35, 3 x TPU, 3 x Decon Apparatus
Chemical Recon Squad	1	<b>8</b>	2 x Recon Teams	2 x M93A1
EOD Team	1	<b>5</b>		2 x M998
Area Signal Co(+)	1	<b>(169)</b>		
DS Signal Company		138	2 x Node Centers, 4 x RAUs, 8 x SENs,	2 x M35, 1 x TPU, 1 x M936, 2 x AN/TTC-47, 21 x M998, 8 x AN/TTC-48, 41 x M1038, 4 x AN/TRC-19,
RETRANS TEAM		7	2 x RETRANS	2 x M998
TACSAT		8	2 x TACSAT	2 x M923, 2 x M1038, 2 x M35, 2 x AN/TSC-93A, 1 x M998
EPLRS Team		16	2 x EPLRS Sections	2 x M998, 4 x M923
ALO	1	<b>13</b>		4 x M998
Weather Team	1	<b>5</b>		1 x M998
Support Battalion	1	<b>(716)</b>		
Command Sect	1	13		3 x M998
S1 Section	1	7		1 x M998
UMT	1	1		1 x M998
S2/S3 Section	1	9		2 x M998, 1 x M934
S4 Section	1	5		1 x M998, 1 x M35
Commo Section	1	3		1 x M998
BDE Material Mgt Ofc	1	4		1 x M998
CL I, II&IV Sup Sec	1	4		1 x M998
CL III Supply Sec	1	3		1 x M998
CL V Supply Sec	1	6		2 x M998
Prop BK/CL VII Sec	1	18		3 x M998, 1 x M35, 1 x M934
Material Ofc	1	9		2 x M998, 1 x M934
Armt & CBT Veh Sec	1	2		
Autm-GSE Maint Sec	1	3		
C-E Section	1	4		
Missile Section	1	1		
Gen Repair Parts Sec	1	4		
CSS AMO	1	9		2 x M998
Co HQ	1	5		2 x M998, 1 x M35
Food Service Sect	1	15		3 x M35
Maint Sec	1	8		1 x TPU, 1 x M35
Co A S&T Co	1			
Co HQ	1	12		1 x M998, 1 x M35

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**TABLE A-20 Cont. (ARNG ESB Template)**

<b>Units and Submits</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
Maint Sec	1	23		1 x M998, 1 x M984, 1 x M35
Supply Plt HQ	1	3		1 x M998
CL I&WTR Sec	1	14		1 x 4K Forklift, 1 x M998, 2 x M871, 4 x M923, 2 x M931
Rec Stor & Issue Sec	1	6		2 x 4K Forklift, 1 x M35
Ammo Transfer Pt	1	11		18 x M1077, 3 x M1075, 3 x M1076, 3 x 6K Forklift
Petroleum Plt	1	30		2 x M998, 1 x M871, 9 x M931, 1 x 6K Forklift, 3 x M923, 9 x M969, 3 x 5 Ton Semitrailer, 3 x TPU, 1 x Scoop Loader
TMT Plt	1	79		1 x M998, 20 x M923, 20 x M871, 10 x M931, 6 x M1070, 6 x M1000
Co B Ord (MT) Co				
Co HQ	1	29		2 x M998, 1 x M984, 3 x M35, 1 x 5 Ton Semitrailer, 1 x TPU
Maint Control Sect	1	15		3 x M998, 2 x M129, 2 x M931, 1 x M934
CL IX SPT Sec	1	29		4 x M871, 1 x M172, 3 x M750, 1 x 4K Forklift, 1 x 6K Forklift, 1 x M35, 11 x M931
Autm/Armt Plt	1	78		3 x M998, 1 x M750, 2 x M113, 2 x 7.5 Ton Semitrailer, 2 x M984
Grd Spt Equip Plt	1	134		6 x M998, 1 x M88, 3 x M984, 7 x M35, 4 x M923, 2 x M931, 5 x M109, 1 x M936, 2 x M113, 4 x M1037
Co C Med Co	1			
Co HQ	1	25		2 x M998, 1 x TPU, 1 x M35, 1 x M936
BDE Med Supply	1	6		1 x M998, 2 x M35, 1 x 4K Forklift
Preventive Med Sec	1	5		3 x M998
Mental Health Sec	1	3		1 x M998
Optometry Sect	1	3		1 x M998
Treatment Plt	1	52		3 x M998, 2 x M35, 6 x M577, 3 x M934
Ambulance Plt	1	26		1 x M998, 6 x M997, 6 x M113
Main Support Battalion (-)	1	(342)		
Headquarters Det.	1	78	HQ Det. – 35 pers. Maint Sec – 33 pers. Class IX Sec – 10 pers	16 x M998, 2 x MKT, 5 x M35, 1 x M923, 2 x M984
Medical Treatment Plt	1	30		2 x M998, 4 x M997, 1 x Expando Van

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**TABLE A-20 Cont. (ARNG ESB Template)**

<b>Units and Submits</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
Ammunition Plt	1	48		3 x M998, 5 x 6K Forklift, 1 x 934, 2 x 10K Forklift, 5 x M1077, 3 x M1075, 1 x TPU, 2 x M923
Supply Co (-)	1	70	Co HQs – 8 pers. Supply Plt – 18 pers. Class III Plt – 25 pers. Class I/Wtr – 19 pers.	7 x M998, 2 x 4K Forklift, 19 x M931, 6 x M871, 2 x TPU, 11 x M969, 1 x 10k Forklift, 15 x M923, 2 x M129, 3 x M35
Transportation Co (-)	1	116	Co HQs – 12 pers. Lt Trk Sqd – 28 pers. Med Trk Plt – 70 pers Hvy Trk Sec – 6 pers.	3 x M998, 2 x TPU, 45 x M871, 12 x M923, 33 x M931, 1 x M35, 3 x M1000, 3 x M1070
ATS Section	1	6		

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**NOTE 1:** Personnel numbers are based on fiscal year 2002 MTOE and are intended as a guide for budget managers. Commanders, however, must not exceed MTOE authorizations in any category without an approved exception to the troop list templated for the rotation. This resource control measure is designed for personnel, equipment and assets that may deploy in support of the rotation. Any additional systems/units participating in the rotation will increase the O/C augmentation requirement. Units requesting troop list exceptions must use available authorized lift. No additional lift (Rail, line haul or STRAT Air) will be authorized. Units requesting additional personnel/units must also provide OC augmentation, if support is required.

**NOTE 2:** See Appendix F, Aviation.

**NOTE 3:**

a. The MSE Company is an EAB asset, and provides signal nodes for MSE. MSE SENs are allocated 2 per Bn or Sqdn. Example: A 2 Bn ROTATIONAL BRIGADE would have 7, (4 for the 2 Bns, 2 for FSB and 1 for DS FA Bn), additional 2 are added for Bn size additions to rotations (i.e., Div Cav, Heavy/Light etc.). If a unit desires to deploy the parent division DTAC and supporting SENs, all are troop list exceptions and require approval as such.

b. The one additional SEN is required to support rotational logistic connectivity to SARSS and the 52d Div MMC (i.e. NTC MMC).

**NOTE 4:** The AN/TPQ-36 is authorized as part of the deploying artillery Bn. Prepositioned equipment is not available. Ten personnel authorized.

**NOTE 5:** Use of a MLRS Bn HQ in the O&I role is authorized. Coordination with NTC Operations Group prior to rotation is required for scenario development. This task organization will require personnel augmentation in the DTOC to generate Division support MLRS missions. If a MLRS Bn is to deploy in the O&I role, the BDE mission letter and troop list must be marked.

**NOTE 6:** Composition of the Division Support Cell is at the discretion of the rotational unit's Division headquarters.

**NOTE 7:** The unit Environmental Clean-Up Team (ECT) will have the capability to respond to spills, communicate with the DTOC, Range Control, Rotational EOC and the DPW Environmental Division and dispose of spills in compliance with NTC Regulation 200-3. The ECT will clean up all rotational spills, including clearing the Rotational

Unit Field Maintenance Area (RUFMA) following regeneration. The ECT will be controlled by an OIC (recommended O3) and a NCOIC. The ECT personnel will be provided training by the NTC Environmental staff upon arrival at the NTC. The ECT will be split into two teams with one team operating from the DSA and one team operating from the BSA. See below for equipment and personnel requirements:

SYSTEM	QTY	PERSONNEL
HMMWV	2	2
SEE	4	4
5T Dump Truck	10	15
Scoop Loader	2	2
5T or 10T tractor w/lowboy trailer		1
GPS Unit	2	<u>0</u>
		24

**NOTE 8:** The MSBs and CSBs operating in support of the rotation from a fixed DSA are limited to a commensurate amount of equipment to support a brigade-sized combat team (ROTATIONAL BRIGADE) for the rotation and itself based on the estimated mission requirements. Estimates should account for a fair slice that the MSB and CSB replicates the Corps transportation, Class IV/V, and Class VIII mission requirements. The FSBs supporting the ROTATIONAL BRIGADE is limited to a commensurate amount of equipment to support a two battalion ROTATIONAL BRIGADE based on estimated requirements. Additional FSB/MSB/CSB equipment is authorized based on units deploying above and beyond the standard rotation model, i.e., division cavalry sqdn, aviation units, light infantry battalion, forward support medevac team, etc. Any additional systems or units participating in the rotation will increase the O/C augmentation requirement and will require troop list exception approval.

**NOTE 9:** Unit is authorized a task organized CSE platoon (-) to support tactical operations:

System	Quantity	Personnel
D7 Dozer	4	4
M920 Tractor	4	4
M870 Trailer	4	0
621B Scraper	2	2
130G Grader	2	2
HMMWV	2	4
Contact Truck	1	2
SEE	2	4
175B Bucket Loader	1	1
20T Dump Truck	3	<u>6</u>
Total		29

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**NOTE 10:** All imagery products and information will remain under control of NTC Operations Group. There will be no direct connectivity by any means between outside imagery processing or analysis facilities and units in the maneuver area. Connectivity will pass through the NTC Operations Center (DTC, Building 988) to ensure maintenance of the fidelity of the tactical scenario and control of the information passed to the rotational unit. Any equipment used to transmit imagery or information to the unit in the field will be provided, maintained and staffed by the rotational unit under control of the Operations Group DTC. (Equipment in this category will be approved as part of the troop list exception process to ensure connectivity.)

**NOTE 11:** Light Infantry Force Engineer VOLCANO system (5 ton truck mounted system) is authorized. However, if the unit desires to employ air delivered volcano, a troop list exception is required.

**NOTE 12.** The NGB has approval authority for the ARNG ESB troop list after coordination with Commander Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062. The template includes both Separate Armor and/or Infantry Brigades assigned to the National Guard.

**NOTE 13:** Forward Support Bn  
Medevac Team, 22 personnel authorized, OC available, Prepo support - NO, MILES required.  
Surgical Team, 20 personnel authorized, OC available, Prepo support - NO, MILES required. (see **Appendix F**) If requested and approved, the above numbers will be the authorization.

**NOTE 14:** Task Force IN and OUT bound support required for NGB Sep Bdes deployment into NTC rotation and redeployment to home station.

**NOTE 15:** Unit (BDE) responsible for direct coordination with CA/PSYOPS Teams. The OC augmentation is required until OC is assigned to NTC Operations Group. The BDE funds deployment of CA/PSYOPS Teams from rotational funding. Point of contact for CA/PSYOPS Teams DSN 239-5805/5875.

**NOTE 16:** All non-MTOE communication equipment to include cellular phones and any other

electrical emitter requires an approved troop list exception. Exceptions will not be approved unless tested prior to the rotation by NTC G3, Spectrum Management Division. Use of cellular phones requires the using unit to reimburse Fort Irwin for local system use and must be approved via the troop list exception process. This includes communications systems that operate in a roaming mode and billed via home station accounts.

**NOTE 17:** The TDA structure of NTC Operations Group has limited ability to support the full OC requirements of a Divisional Cavalry Squadron. Therefore the parent division and Corps is responsible to support a divisional cavalry rotation with OC augmentation as required based on the unit MTOE structure, task organization and shortages of TDA filled positions within Operations Group. This ensures the division cavalry squadron receives the proper OC focus and training objective coverage the unit deserves.

**NOTE 18:** When a rotation is scheduled for the 101st AA Div, the DISE support cell is authorized 45 personnel.

**NOTE 19:** The ADA batteries deploying to NTC are only authorized their organic MTO&E equipment plus two GBS radar sections. Any equipment above MTO&E must be approved as an exception to the troop list and will require additional augmentation.

**NOTE 20:** Avenger M3P .50Cal blank firing adapters (BFA) are available for draw with the force on force MILES kit.

**NOTE 21:** The MP augmentation is required to provide support for squad missions. One SSG (95B) is required for this augmentation. If tactical employment requires MP squads to task organize into smaller elements, then OC coverage capabilities will be exceeded. Failure to provide proportional augmentation may result in consolidation of assets.

**NOTE 22:** Provide one E-4/5 (95B) to augment Fort Irwin Garrison law and order operations due to increased on-post activities. Coordinate directly with Fort Irwin Provost Marshal.



## APPENDIX B

### *NTC Leader Training Program (LTP)*

#### **B-1. Purpose**

To provide an enhanced training opportunity for commanders and staffs in preparation for future NTC rotations.

#### **B-2. Training Objectives**

The LTP is designed and resourced to simultaneously train a Brigade staff and its subordinate Task Force/Battalion staffs and ground maneuver company commanders. The LTP training objectives are based on the unit commander's training assessments with the LTP training schedules tailored to meet unit needs. The LTP consists of core training objectives and optional electives, which Commanders may select based on their assessments. Core training objectives include the following:

- a. Military Decision Making Process (MDMP).
- b. Trend reversal classes identified by the Commander, Operations Group.
- c. Reception, staging, onward movement, and integration (RSO&I), and logistics recon.
- d. Battle Command.

#### **B-3. Concept of Operation**

a. The LTP is a 7-day training program for units with a scheduled rotation in the next four months, including ARNG enhanced Separate Brigades. Additionally, LTP offers a 3-day program for ARNG enhanced Separate Brigades, prior to the year of execution and selected units. Units conduct the LTP about 120 days prior to their scheduled rotation. Brigade and battalion commanders and staffs participate in the LTP task organized as they will be for their NTC rotation (120 personnel max.).

b. The NTC Operations Group provides coaches to conduct LTP training, lead after-action reviews, and coach commanders and staff officers.

c. Brigade commanders will provide staff and unit METL assessments NLT C-180 to Chief, LTP, who will then develop a LTP schedule for brigade commander approval. **See Figure B-1** for the LTP time line.

d. During execution of LTP rotations, brigade and battalion staffs receive classroom and field instruction, conduct MDMP, conduct staff rides/terrain recons, conduct JANUS simulation exercises, and receive AARs as required. Ground maneuver company commanders receive classroom and field instruction, conduct terrain recons, and participate in the JANUS simulation execution. All instruction and recons are mission focused

emphasizing horizontal and vertical coordination and synchronization.

e. Forces Command will approve any changes to the LTP schedule, only after coordination with Corps HQ and/or NGB.

#### **B-4. Allocation of Training Periods**

The NTC will conduct ten 7-day LTP sessions per year for units scheduled for NTC rotations. Forces Command will fund a 7-day LTP sessions. Additionally, NTC can conduct one 3-day session per month/rotation for a total of up to ten per year. These 3-day sessions are at unit cost, and are scheduled second in priority to 7-day sessions.

#### **B-5. Responsibilities**

- a. Headquarters, FORSCOM:
  - (1) Schedule and monitor unit participation in the LTP.
  - (2) Distribute LTP training periods to FORSCOM AC and RC units, other MACOMs, and USACAC Advanced Military Studies Classes.
  - (3) Coordinate the LTP with the following agencies and commands:
    - (a) Department of the Army, Deputy Chief of G3, Training Division. Staff actions usually concern resources or participation by commands.
    - (b) National Guard Bureau. Coordination involves the selection and scheduling of NG units.
    - (c) Corps, CONUSAs, and USARC. Coordination generally involves unit participation and scheduling.
  - b. Headquarters, NTC.
    - (1) Coordinate LTP actions with HQs, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-TRC (G3, Training), Fort McPherson, GA 30330-1062.
    - (2) Provide facilitators for LTP.
    - (3) Coordinate training, as per schedule with units participating in LTP.
    - (4) Plan and provide training support to units participating in LTP.
    - (5) Provide administrative information packet to RC personnel NLT C-200.

#### **B-6. Miscellaneous**

a. Headquarters, FORSCOM, funds unit travel and TDY for one, 7-day AA LTP per rotation. NGB will fund LTP for all ARNG ESBs.

b. Units participating in 3-day sessions are responsible for funding travel and TDY.

c. Headquarters, NTC funds base operations:

- (1) Equipment. The LTP participants provide their own CTA 50-901.

(2) Billeting. The NTC will provide billeting for up to 120 personnel at Fort Irwin. Units must

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provide personnel data for all attendees to the LTP NCOIC NLT C-150. Separate requests to NTC billeting must be made to billet senior officers and NCOs if they do require separate quarters.

(3) Transportation. The NTC will provide bus transportation from Ontario or Las Vegas airport (for commercial flights) to Fort Irwin and return. Units using military air are required to use Southern California International Airport. Units must notify LTP of flight arrangements NLT 14 days prior to arrival. Additionally, three TMP vans/sedans will be provided to unit personnel for local transportation on Fort Irwin. The NTC HMMWVs will be used to transport personnel to conduct staff rides/recons. Unit will ensure ten personnel participating in LTP have a valid military drivers license for HMMWVs/vans/sedans. Licensing will be IAW AR 385-55 and AR 600-55 including defensive driving course training or an accident avoidance course.

(4) Dining Facility. Unit personnel may use one of the dining facilities on Fort Irwin. Personnel, who want to use the post dining facilities, should be issued field meal cards for LTP training.

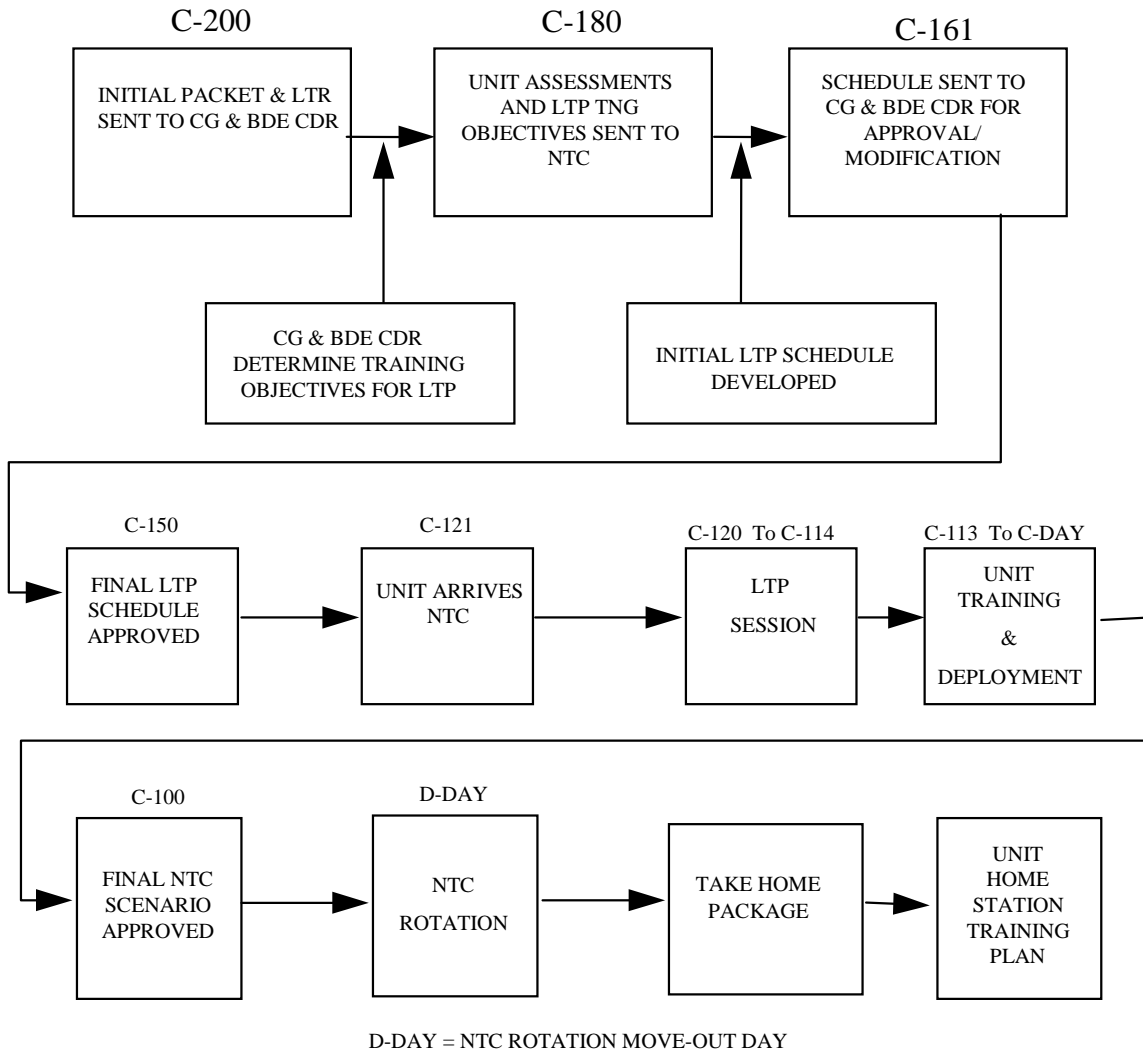
d. In the event that a rotation is scheduled for a Division Cavalry Squadron, Light Battalion or Attack Aviation Battalion, the rotational brigade will allocate additional seats to the unit. Normally, no additional funding or schedule space is available for special battalion or squadron sized LTP sessions.

**B-7. Uniforms.** The uniform for LTP training is the Battle Dress Uniform (BDU) with appropriate field gear, including eye protection for staff rides/ recons, see **Appendix L** for suggested seasonal listings.

**B-8. Scheduling.** Units requesting a 3-day LTP session must coordinate with their Corps Headquarters. The ARNG units must coordinate with NGB. All effort will be made to schedule NGB units during IDT periods. Forces Command schedules 7-day LTP sessions for units that are scheduled for NTC rotations as part of the CTC scheduling process. NGB and Corps will request 3-day sessions directly with NTC LTP.

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**LTP Timeline**



**Figure B-1**  
**(See Appendix I)**

## **APPENDIX C**

### ***Opposing Force Augmentation (OPFOR)***

#### **C-1. General**

This appendix outlines the NTC OPFOR Augmentation Program and provides guidance to AC and RC units preparing to deploy an OPFOR augmentation unit (OAU) to the NTC.

a. Procedures.

(1) The NTC OPFOR (11th Armored Cavalry Regiment) replicates the major elements of a motorized rifle regiment (MRR), and opposes the training units during FFT by executing offensive and defensive combat operations employing current threat doctrine.

(2) Forces Command augments the OPFOR with infantry, engineer, artillery, and mortar units to provide the correct OPFOR signature during force on force training. The OAU fall into four categories:

(a) Infantry rifle companies (light, mechanized, air assault, or airborne) used in the infantry role.

(b) Engineer companies (divisional, corps combat, or combat heavy), used in an engineer role.

(c) Artillery batteries (self-propelled), used in an artillery role.

(d) Mortar platoons used in a close indirect fire support role.

(3) During Nuclear Biological Chemical (NBC) play, the OPFOR uniform will consist of the OPFOR shirt and trousers, with the protective mask and hood. This will distinguish the OPFOR from the BLUFOR, and will provide the OPFOR with equivalent limitations of visual acuity and communications effectiveness.

#### **C-2. Allocation of training period**

a. The FORSCOM units must provide three infantry companies, one combat engineer company, one artillery battery and one mortar platoon per training rotation. Requirements are assigned to each corps in a direct ratio to the number of training rotations allocated per fiscal year.

b. National Guard Bureau schedules OPFOR infantry and engineer companies where possible in support of rotations. The ARNG units providing OPFOR infantry, engineer, artillery, and mortar augmentation to NTC will not exceed 19 days of AT, including travel time. The OPFOR augmentees are required to be present from RSO&I 1 through Training Day 10. The ADVON party should arrive 3 days prior to main body.

c. Forces Command schedules OPFOR augmentation during the semiannual Worldwide Training and Scheduling Conference (WWTSC).

d. Other MACOMs, USAR, USMC units, foreign nation volunteers, and the 3rd Inf Reg (Old Guard) frequently request OPFOR augmentation slots on a volunteer basis. Requests must be coordinated through their higher headquarters to Headquarters, FORSCOM, DCSOPS, Training, 1777 Hardee Avenue, SW ATTN: Combat Training Centers Branch (AFOP-TRC), Fort McPherson, GA 30330-1062.

#### **C-3. Specific Responsibilities**

a. Headquarters, FORSCOM:

(1) FORSCOM tasks units to provide OPFOR augmentation companies and periodically publishes an updated schedule of tasked units.

(2) Provide RC units the opportunity to participate in the OPFOR Augmentation Program. Units will be exempt from a formal Training Analysis Model (TAM) evaluation (FORSCOM Regulation 220-3).

(3) Ensure MACOMs identify company/battalion size units to perform OAU duty no less than 180 days in advance and are aware of their responsibilities per para C-3c.

(4) Each NTC rotation requires OAU of three Infantry Companies, one Heavy Engineer Company, one self-propelled Artillery Battery, and one heavy Mortar Platoon.

b. Commander, NTC:

(1) Initiate the coordination between OAU and NTC OPFOR (11th Armored Cavalry Regiment) and provide an administrative/operations packet to the OAU prior to deployment.

(2) Coordinate the OAU's use of training areas with 11th ACR.

(3) Provide OAU with Class I, II, III, IV, V, VI VII, VIII, and IX, maps and MILES equipment.

(4) Provide billets for companies with access to shower facilities when not in the field.

(5) Issue OPFOR uniforms to augmentation unit personnel for duration of the field exercise.

(6) Provide medical support.

(7) Provide DS maintenance support as needed.

(8) Conduct the OPFOR Academy for the OAU.

(9) Coordinate drop zone support as required by OAUs.

(10) Assist in coordinating transportation to and from the local air-head for the OAU.

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(11) Provide a tentative list of engineer work/projects to engineer units prior to departure from home station.

(12) Provide the OAU a training schedule 30 days prior to deployment for garrison training. Field training schedules will be issued upon arrival. The OAU Commanders will submit NLT 30 days prior to deployment, an optional training time schedule to include range requests, if required.

c. The OPFOR Augmentation Unit:

(1) Infantry and engineer units will submit requests to train as an OAU through their chain of command to Headquarters, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062.

(2) After being scheduled as an OAU, contact the NTC G3, Plans and Operations Division, ATTN: AFZJ-PTO, DSN: 470-3326/3602, to initiate coordination.

(3) Final coordination is made with the S-3, 11th Armored Cavalry Regiment (ATTN: AFZJ-AC-O, DSN 470-5129/5125) and the NTC host unit, HHT, 11th Armored Cavalry Regiment (ATTN: AFZJ-AC-HT, DSN 470-4726/5169).

(4) Coordinate with NTC MCC Surface Section (DSN 470-4977/4978) for local transportation to and from local port of entry. Coordinate with NTC TSC MCC Rail Section for equipment coming in by rail carrier, NLT 30 days prior to deployment.

(5) Training areas, Ranges, Drop Zone use. Submit OAU optional training time schedules, including any range and drop zone requests 120 days prior to deployment, to S-3, 11th Armored Cavalry Regiment.

### C-4. Concept

a. Requests to augment the NTC OPFOR during a training period should be submitted through normal command channels prior to the semi-annual Worldwide Training and Scheduling Conference.

b. Units scheduled/tasking by FORSCOM will comprise company-size infantry and engineer units, battery sized artillery units, and platoon-sized mortar units. **Infantry units will consist of not less than 100, and not more than 120, officers and soldiers.** Parent battalion may task organize, as necessary, to meet strengths. Above numbers represent combat soldier strengths, support personnel are required above the combat strength.

c. Coordination Procedures for OAU:

(1) Augmentee units must make coordination telephonically with 11th Armored Cavalry Regiment, S-3, at DSN 470-5129/3138/5125, upon notification. The Regimental S3 will send a copy of the "Allied Handbook" covering augmentee operations. The

regiment will arrange for a coordination visit of three personnel (company commander, executive officer, and supply sergeant for company size OAUs, as well as battalion executive officer and S4 for a battalion-size OAU) to conduct a logistics recon of Fort Irwin. Coordination will also be made for a leaders recon for company commanders and platoon leaders to observe the preparation and execution of a mission with the OPFOR Regiment.

(2) The 11th Armored Cavalry Regiment performs the OPFOR mission at the NTC. The command and control of the regiment rotates between the two squadrons.

(3) The OAU should conduct a logistics recon when its headquarters is in a planning cycle. The leaders recon should be conducted when the regimental headquarters is in a rotation cycle.

(4) The S3, 11th Armored Cavalry Regiment, will inform OAU who its headquarters will be and give guidance to allow for optimum time to conduct logistics and leaders recon.

d. The 11th ACR will attach OAUs to the regiment for UCMJ and administrative actions.

e. OAU. Each infantry, engineer, artillery and mortar OAU will bring personnel and equipment shown at paragraph C-6. Headquarters, FORSCOM, will provide transportation and operating funds for AC/RC personnel and equipment deployment. Commanders desiring to bring personnel and equipment above the levels listed in paragraph C-6 may do so in coordination with Cdr, NTC; however, corps, division, separate brigade, or regiment will fund the operations and transportation costs associated with additional personnel and equipment.

f. The OAU will arrive no earlier than 6 and no later than 5-days prior to training day 1. The unit will participate in OPFOR certification training in preparation for the training period. The unit will redeploy from Fort Irwin NLT 3-days after completion of the training period and obtaining its final clearance from 11th Armored Cavalry Regiment.

### C-5. Logistical Support

The NTC will provide logistical support to each OAU. Units will receive logistical support through a "host unit."

a. Class I. The OAU will draw rations using meal cards from 11th ACR and will provide personnel to augment the host unit dining facility. The OAU will provide a total head count to the host unit dining facility OIC/NCOIC upon arrival at NTC (see Note 1).

b. Class II. The 11th ACR will provide OPFOR uniforms. The 11th ACR will provide a list of Class II items to bring from home station.

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c. Class III and IV. The OPFOR regiment will provide all POL supplies for NTC issued equipment only. The NTC, MMC will provide barrier material to both infantry and engineer OAU on a fill or kill basis. The DA Form 1687 for garrison and field Class III accounts will be prepared with the host unit commander's signature upon arrival at NTC.

d. Class V:

(1) The OPFOR regiment will provide all training ammunition required by the OAU.

(2) The OAUs desiring to conduct live fire training on a NTC range must use home station ammunition authorization and coordinate supply support NLT 120 days prior to the training period. Units must coordinate range planning initially through NTC G3/DPTMSEC, Training Division (AFZJ-PTT), at DSN 470-4520 or commercial (619) 380-4520. (See Note 7)

e. Class VI. The Fort Irwin PX, Commissary, Leader's Club, and other morale support activities are available to OAU personnel.

f. Class VIII:

(1) The OAU will deploy with a minimum of one medic per platoon. Medics should receive additional training prior to deployment in the recognition and treatment of hot/cold weather and poisonous insect/reptile injuries. The OAUs will deploy with enough medical supplies to sustain the unit for 30 days, to include aid bags, splints, etc., for use by platoon medics.

(2) The host unit medical officer will provide necessary medical support. Each company has two medical evacuation vehicles with complete Medical Equipment Sets (MES), stretchers, and backboard. The MEDEVAC is available for real world support only, and host medical unit will ensure MEDEVAC procedures are understood.

g. Class IX:

(1) The OAU will use Exercise DODAACs and home station APCs to requisition Class IX support, organizational and DS maintenance for NTC drawn equipment and vehicles (see Note 3).

(2) The OAU is responsible for DLRs and organizational maintenance for equipment and vehicles brought to the NTC from their home station (See Note 3).

h. Billets. A company barracks and orderly room, which can accommodate 90 soldiers, will be provided to visiting units. The provisional arms room will have M16 weapons racks, and must be guarded 24-hours a day.

i. MILES. The MILES warehouse at Fort Irwin does not repair MILES equipment that was not issued from Fort Irwin's MILES stocks.

j. Uniform. The BDU uniform can be worn in all facilities at NTC. The OPFOR uniform can only

be worn while conducting training. Civilian clothes are not required and are optional. The OPFOR uniforms are provided by the NTC. The OAU may use OPFOR uniform assets from home station, but are not required to purchase any additional uniform items.

**C-6. Personnel and Equipment List for OAUs**

a. Each infantry OPFOR Augmentation Company will bring the following equipment at a minimum. Additional equipment may be deployed with prior coordination with the 11th ACR.

<u>Personnel/Equipment Unit(s)</u>	<u>Required</u>
Infantry Company	1
Infantry Platoon	3
HQ Platoon	1
Personnel (total) (Note 1,2,3,6)	100/120
Obstacle breaching equipment, including grappling hooks w/rope, engineer tape, wire cutters, wire gloves, and shovels.	as directed, 1 set per squad
MELIOS	4
Squad Radio	1 per squad
Night vision Devices:	2 per squad minimum. (Only passive night sights as authorized by MTOE are allowed to be used by OPFOR units)
PRC Radios w/batteries	6 - 1 per squad
MILES equipment provided by the NTC.	

Applicable Notes: 1, 2, 3, 5 and 6.

Equipment: The CTA 50-901 clothing for hot or cold weather, as appropriate, to include: Cold weather parkas and field pants w/liners, sleeping bags, ponchos w/liners, two 1-quart and one 2-quart canteen per soldier.

b. Each engineer OPFOR augmentation company will bring the following:

<u>Personnel/Equipment Units (s)</u>	<u>Required</u>
Engineer Company (Corps/Heavy)(-)	
Engineer Platoon	2
Hvy Equipment or Support PLT	1
HQ Platoon	1
Personnel (total) (NOTE 1,3,4)	120
Dozer, D7 or D8 (or 8 x D5s) (NOTE 7)	4
M9 ACE	6
Prime Mover w/Trailer	4
Backhoe or SEE	3
Volcano	2
C2 Vehicles	8
Squad Vehicles	8
Breach Marking Kit	1 per squad
Demolition Training Kit	as per UBL
HEMTT or 5T Fuel	1
HEMTT or 5T Cargo	2
Contact Truck	2
Wrecker, 5-ton or HEMTT	1
Water Trailer (May - Sept, 2 required)	1
Night Vision Devices (per vehicle)	2

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MILES equipment provided by the NTC

Applicable Notes: 1, 2, 3, 4, 6, 7, and 9.

Equipment: The CTA 50-901 clothing for hot or cold weather, as appropriate, to include: Cold weather parkas and field pants w/liners, sleeping bags, ponchos w/liners, two 1-quart and one 2-quart canteen per soldier (OD coveralls are authorized when doing engineer field work).

c. Each OPFOR artillery battery will bring the following equipment.

<u>Personnel/Equipment Units (s)</u>	<u>Required</u>
Artillery Battery	1
Battalion Support Platoon (NOTE 8)	1
Personnel (total)	130
Howitzer, 155mm SP	6
Fire Direction Center	1
Battery Operations Center	1
Water Trailer (May - Sept, 2 required)	1
Fueler	1
M88	1
C2 Vehicles	5
Secure Radios	7
Night Vision Goggles (per vehicle)	2
2.5 ton or 5 ton cargo	2
G/VLLD/HGSS Ancillary Equipment	4

Applicable Notes: 1, 2, 3, 6, and 8.

d. Each OPFOR mortar platoon will bring the following equipment:

<u>Personnel/Equipment Units (s)</u>	<u>Required</u>
Mortar Platoon	1
Personnel (total)	40
Mortar System	4
Fire Direction Center	1
Water Trailer (May - Sept, 2 required)	1
HEMTT or 5T Cargo	1
C2 Vehicles	2

Applicable Notes: 1, 2, 3, and 6.

Equipment: The CTA 50-901 clothing for hot or cold weather, as appropriate, to include: Cold weather parkas and field pants w/liners, sleeping bags, ponchos w/liners, two 1-quart and one 2-quart canteen per soldier.

e. Notes.

**NOTE 1:** To include two cooks (94B) per company sized element (one cook for mortar platoons). Battalion sized OAU provide an additional 94B NCOIC.

**NOTE 2:** The NTC will provide all MILES equipment, however due to case-by-case shortages, units need to coordinate with the 11th ACR.

**NOTE 3:** The OAU will include all company organizational maintenance personnel as needed per Line Company.

**NOTE 4:** Engineer units may bring a complete TOE company, if fully funded. The NTC provides specific equipment for use by the OAU. Coordinate with Regimental Engineer for listing.

**NOTE 5:** The OAU will provide licensed drivers. All infantry OAUs will provide two M998 and six M35A3 drivers.

**NOTE 6:** The OAU must send personnel to a Fort Irwin range safety class prior to signing for any training area or range on Fort. Irwin. Coordination can be made with Fort Irwin Range Control for class date and time at DSN 470-3875 or COMM (760)380-3875.

**NOTE 7:** The 8 D-5 dozers are authorized in-lieu of the D-7/8 requirement.

**NOTE 8:** The deploying unit's higher HQ must provide soldiers (minimum of 2) to operate voice and digital communications from the fire support TAF. The unit must provide the IFSAS or other digital system for use in the Fire Support TAF.

## **APPENDIX D**

### ***Weather Support***

#### **D-1. General**

Weather support for NTC training units is critical to operations and safety. This appendix establishes procedures and responsibilities for weather support to the NTC staff and rotational units.

#### **D-2. Concept of Operations**

Each rotational unit will determine their NTC weather support requirements and coordinate with their local Staff Weather Officer (SWO) to establish appropriate weather support. When direct weather support is needed, each rotational unit will deploy a weather team (WETM). The deployed WETM will provide customer oriented weather products. During rotations, the NTC weather flight will operate 24 hours a day and provide METWATCH.

#### **D-3. Responsibilities**

a. The Rotational Unit will:

(1) Coordinate weather support requirements (including aviation weather support) and pre-deployment planning weather through their assigned SWO or through their next higher headquarters SWO.

(2) Deploy with a sufficient number of assigned weather personnel to meet operational requirements at all echelons of the rotation. When assigned WETMs are not available and direct weather support is required, units will request augmentation through their assigned SWO or through their next higher headquarters SWO.

(3) Provide WETMs all logistics support required to accomplish their mission.

(4) Provide necessary equipment and establish field communications so the deployed WETMs can receive weather information from distant sources and transmit weather information to all customers.

b. The Rotational SWO will:

(1) Arrange for sufficient weather support to the rotational unit.

(2) Coordinate weather support requirements between the rotational unit, WETM, and NTC weather flight. Coordinate their concept of weather support requirements and a Memorandum of Instruction (MOI) with the NTC SWO NLT 30 days prior to the beginning of the rotation.

(3) Provide pre-deployment planning weather to the rotational unit.

(4) Coordinate with a Weather Support System Cadre (WSSC) if Tactical Weather Systems technical

assistance is needed during pre-deployment or during the rotation.

c. The Rotational WETM will:

(1) Provide all direct SWO, forecast, flight weather briefing, and observing support required by the rotational unit(s), in accordance with existing regulations, and instructions.

(2) Deploy with tactical equipment necessary to provide the required weather support.

(3) Inform NTC weather flight of any local weather hazards at the deployed site.

(4) Within two weeks after return to home station, provide an After Actions Report to the NTC SWO, their next higher headquarters, and the FORSCOM SWO.

d. The NTC weather flight will:

(1) Provide all weather support required by the NTC staff IAW NTC Regulation 115-1.

(2) Provide a NTC MOI, any applicable SOPs, and climatologically package to the rotational SWO NLT 30 days prior to deployment.

(3) Assist deployed WETM with technical guidance on southwestern US weather regimes and local terrain effects.

(4) Issue and disseminate all weather warnings and advisories affecting the NTC range to the NTC staff and rotational WETM.

(5) Work with the NTC staff if any communication link(s) between the NTC weather flight and the deployed unit become(s) non-operational.

(6) Provide weather guidance and SWO support to the Division Tactical Operations Center (DTOC) when assuming the role of a higher echelon WETM. Make available, through the DTOC, standard, non-customer unique, weather products to rotational units not assigned WETM's.

(7) When necessary, request additional manning through ACC channels for rotational support.



## APPENDIX E

### *Training Unit After Action Report*

#### **E-1. General**

The training brigade/regiment will forward an After Action Report (AAR) 60 days (90 days for RC) after main body departure from the NTC to the following: Commander, Forces Command, 1777 Hardee Avenue, SW ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062; and Commander, NTC, ATTN: AFZJ-PT. Units deploying to NTC as part of an ARNG rotation will also forward a AAR copy to National Guard Bureau, ATTN: NGB-ARO-TU, 111 S. George Mason Drive, Arlington VA 22204-1382. The AARs are normally unclassified and will refer to the rotation number in the title (e.g., AAR NTC Rotation 97-01). Cite the following required RCS on the AAR RCS Exempt, AR 335-15, paragraph 5-2e,(7).

#### **E-2. Specific Instructions**

The AAR will consist of written comments in memorandum format with a completed FORSCOM Form 1060-R, Rotational Unit Worksheet (**Figure E-1**) attached. The approved troop list and report on Military Movement of Radioactive Material will also be provided, as enclosures.

a. Use the memorandum format to address the following topics for the written comments:

- (1) Tactical lessons learned. Address the Battle Functions.
- (2) Administrative lessons learned, including deployment, redeployment, equipment draw and regeneration.
- (3) Benefits of training at the NTC.
- (4) Recommendations for doctrinal improvement.
- (5) Recommendations/lessons learned on preparatory training including comments on usability of ARTEP or any other training and training support product developed by TRADOC.
- (6) Recommendations for improvement of the NTC experience.
- (7) Logistics or Resource Management lessons learned.

b. The FORSCOM Form 1060-R, consists of sections on general information, unit task organization, manning, numbers of personnel, key personnel, amount of equipment (by type used), rotation costs, OPFOR augmentation, and points of contact. There is a separate section for Armored Cavalry Regiment information. Necessary information not included on the form can be added in the remarks section. Instructions on the form are listed below:

- (1) Section I: Key Dates.
- (2) Section II: Task Organization.

(a) Brigade. Companies and detachments under brigade control. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(b) Armor Task Force. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(c) Mechanized Infantry Task Force. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(d) Light type battalion size task forces (i.e., Light Infantry Task Force, Airborne Infantry Task Force, etc.). List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(e) Artillery. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(f) Engineer. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(g) Forward Support Battalion. List by unit, number of major pieces of equipment, and home station (if different from brigade).

(h) Army Aviation. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(i) Division Cavalry Squadron. List by unit, number of major pieces of equipment or weapons systems, and home station (if different from brigade).

(j) Main Support Battalion (-). List by unit, number of major pieces of equipment, and home station (if different from brigade).

(1) Air Force. List by unit and home station (if different from brigade).

(2) Section III: Manning. List total number of M1, M2, M3, and mortar crews at full and partial strength. Provide number of dismounted infantry squads for mechanized and light (Light, Airborne, Air Assault) infantry. List number of attack helicopter crews.

(3) Section IV: Personnel. List by unit task organization, number of personnel authorized and deployed. List all Reserve Component augmentation by MOS and quantity. Provide total personnel comparison between FORSCOM Regulation 350-50-1 and rotational unit deployment.

(4) Section V: Key Personnel. List the brigade commander and staff officers, and battalion commanders by position and prior NTC experience.

(5) Section VI: Equipment Totals. List quantity totals by type for track vehicles, wheeled vehicles, engineer equipment and MI electronic equipment. Indicate number of items from NTC and from home station (e.g., 37/4 x M2, which means 41

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total M2s used, 37 drawn from NTC and 4 of which came from home station).

(6) Section VII: Same instructions apply for Armored Cavalry Regiment (ACR) task organization section.

(7) Section VIII: Same instructions apply for ACR manning section.

(8) Section IX: Same instructions apply for ACR personnel.

(9) Section X: NTC Rotation costs. Applies to all rotations. Enter unit/rotation information as shown.

(a) Include TDY costs associated with conducting each rotation. Examples are advanced team visits to NTC, observer and command visits.

(b) Transportation costs as follows:

1 Rail costs. Use the total cost of all rail cars for the rotation. It is not necessary to specify costs by type or size rail car, or whether costs were incurred for transportation to the NTC or returning from the NTC.

2 Air costs. List all costs for air transportation of personnel and equipment, except costs associated with ferrying helicopters. Use costs incurred by the Army and chargeable to the installation. Do not include JA/ATT costs.

3 Bus costs. Include all costs whether chartered or ticketed. Include costs incurred by Fort Irwin and paid by DD Form 448.

4 Commercial Line Haul. Include all costs of contracting commercial trucking for rotation.

5 Helicopter Transportation costs. Include costs of transporting helicopters via Air Force SAAM. Do not include the costs of self-deployment.

6 Other Transportation costs. List any additional transportation costs incurred, and explain in remarks section at end of form.

7 Total Transportation costs. Total all transportation costs listed.

(c) Reimbursable Support Provided by Fort Irwin. List amount advanced to NTC via MIPR prior

to the rotation as well as any additional costs incurred during/after the rotation.

(d) Other costs. Any additional costs not already addressed, such as blocking and bracing material and medical supplies.

(e) Total costs. Add total transportation costs, operating costs (MIPR), and other costs. Do not include OPFOR costs in this total.

(f) Nonreimbursable costs. List estimated costs for JA/ATT support as shown.

(g) Other use factors. Provide information as stated with further explanation in remarks as appropriate.

1 For number of rail cars used, indicate total number of rail cars by type, e.g., 60-ft flat car, 89-ft flat car, bi-level. Calculate an average of the deployment and redeployment rail cars by type. For example, if ninety 60-ft flatcars were used for deployment and one hundred 60-ft flatcars were used for redeployment indicates 95 for the average usage of 60-ft flat cars.

2 Number of participants. List number of participants from home station and other points for a grand total. Do not include OPFOR augmentation costs or participation in these figures.

3 Remarks. Use as necessary, to include continuation sheets.

(10)Section XI: OPFOR Augmentation Data. Provided by NTC. List unit, home station, point of contact and total number of soldiers for infantry, engineer and other augmentation units. List state and National Guard as applicable (e.g., TX ARNG) in lieu of Fort \_\_\_\_\_.

(11)Section XII: Points of contact. The NTC will list POCs for the NTC, division, and brigade.

h. Additionally, NTC requires each unit to complete a Rotational After Action Survey. The intent of the survey is to improve Fort Irwin and NTC support to rotational units. The surveys will be completed and turned into G3 NTC, prior to redeployment.

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**Figure E-1 (Rotation Unit Worksheet, FC Form 1060-R)**

<b>ROTATIONAL UNIT WORKSHEET (FC Form 1060-R)</b>				
ROTATION NUMBER:		DATE:		
DIVISION:	BRIGADE/ACR:	INSTALLATION:		
TYPE OF ROTATION:				
SECTION I. KEY DATES				
INCLUSIVE DATES:		TRAINING DATES:		
LTP DATES		EARLY ARRIVAL DATE:		
ADVON ARRIVAL DATE:		DRAW DATES:		
TURN-IN DATES:		FINAL CLEARANCE DATE:		
SECTION II. TASK ORGANIZATION				
A. BRIGADE (COMPANIES AND DETACHMENTS)				
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)		
HHC, BDE		x M113, x M88	x M577,	x M998, x M923, x M35,
BRIGADE RECON TROOP		x M1037,	x M35,	x M1025, x M1026
ARNG CO/TM		x M1A1, x M88,	x M2A2, x M978,	x M35, x M113, x M998,
ADA BATTERY				
BATTERY HQ		x M557, x M88,	x M998, x M35	x M977, x M1038, x M978,
AVENGER PLT		x M998,	x M1038,	x Avenger
STINGER PLT		x M998,	x M1038	
BSFV PLT		x M113,	x M998,	x M2A2, x BSFV, x Linebacker
SCT/SENSOR GBS		x AN/MPQ-64,	x M1038,	x M998
MI COMPANY (+)				
DS MI COMPANY		x M923, x CGS,	x M998, x AN/PPS-5	x M35, x M577, x M113,
GS MI COMPANY		x M923,	x M1038,	x M998, x AN/PRD-12
BN SUPPORT SLICE		x M35,	x M998,	x M936
CHEMICAL COMPANY (-)				
COMPANY HQ/SPT		x M998,	x M936,	x TPU, x M35, x M88
RECON SQUAD		x M93A1		
DECON PLATOON		x M998,	x M923,	x M35, x TPU, x Decon App.
SMOKE PLATOON		x M58,	x M1059	
AREA SIGNAL COMPANY(+)				
AREA SIGNAL COMPANY		x M1038, x AN/TTC-47,	x M998, x AN/TTC-48,	x M35, x TPU, x M936, x AN/TRC-191
RETRANS		x M998,	x AN/VRC-92	
TACSAT		x M923,	x M1038,	x M35, x AN/TSC-93A, x M998
EPLRS		x M998,	x M923	
MP PLATOON		x M1025,	2 x M1026	
EOD TEAM		x M998		
ALO		x M998		
WEATHER		x M998		
B. ARMOR TASK FORCE (TF AR)				
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)		
HHC				
HHC (-)		x M113, x M978, x M88, x Mineplows, x M931	x M577, x M923,	x MKT, x M998, x Minerollers, x M936, x M35, x M172, x M984, x M984,
SCOUT PLATOON		x M1025,	x M1026	
MORTAR PLATOON		x M998,	x M577,	x M1064
AR TM		x M998, x M88	x M113, x M2A2,	x M1A1, x M35,
AR TM		x M998, x M88	x M113, x M2A2,	x M1A1, x M35,
MECH TM		x M998, x M88	x M113, x M1A1,	x M2A2, x M923,
C. MECH TASK FORCE (TF IN)				

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UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
HHC		
HHC (-)		x M113, x M577, x MKT, x M936, x M977, x M978, x M923, x M998, x M35, x M984, x M88, x Mineplows, x Minerollers, x M172, x M984, x M931
SCOUT PLATOON		x M1025, x M1026
MORTAR PLATOON		x M998, x M577, x M1064
AR TM		x M998, x M113, x M2A2, x M1A1, x M35, x M88
MECH TM		x M998, x M113, x M1A1, x M2A2, x M923, x M88
MECH TM		x M998, x M113, x M1A1, x M2A2, x M923, x M88
<b>D. 3d HEAVY TF/BN ( )</b>		
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
HHC		
HHC (-)		x M113, x M577, x MKT, x M936, x M977, x M978, x M923, x M998, x M35, x M984, x M88, x Mineplows, x Minerollers, x M172, x M984, x M931
SCOUT PLATOON		x M1025, x M1026
MORTAR PLATOON		x M998, x M577, x M1064
TM		x M998, x M113, x M2A2, x M1A1, x M35, x M88
TM		x M998, x M113, x M2A2, x M1A1, x M35, x M88
TM		x M998, x M113, x M1A1, x M2A2, x M923, x M88
<b>E. DIV CAV SQUADRON ( CAV ) ( FORT , )</b>		
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
HHT		x M577, x M113, x M88, x MKT, x M977, x M978, x TPU, x M923, x M998, x M984, x M1025, x M35
TROOP (GRD)		x M1A1, x M3A2, x M1064, x M577, xM113, x M88, x M998, x M35
TROOP (GRD)		x M1A1, x M3A2, x M1064, x M577, xM113, x M88, x M998, x M35
TROOP (GRD)		x M1A1, x M3A2, x M1064, x M577, xM113, x M88, x M998, x M35
TROOP (AIR)		x OH-58D, x M577, x M113, x M998, x M35
TROOP (AIR)		x OH-58D, x M577, x M113, x M998, x M35
TROOP (AVUM)		x CRANE, x M989, x M978, x M923, x M998, x M984, x M35, x 5 TON TRAILER, x M936, x M925, x M109, x 6K FORKLIFT,
NBC RECON DETACHMENT		X M93A1, x M998
AVENGER PLATOON		x M998, x M1038, x AVENGER
ENGINEER COMPANY		x M113, x M577, x M998, x M35, x M923, x M977, x M1038, x AVLB, x SEE, x MICLIC, x M548, x ACE
FORWARD LOGISTICS ELE.		x M109, x M113, x M998, x M35, x M923, x M936, x M1039, x M934, x M926, x M1037, x M978, x M88, x M1098, x M931
ALO		x M998
FIST		x M981

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<b>F. LIGHT, AIRBORNE, OR AIR ASSAULT BATTALION ( IN) ( FORT , )</b>						
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)				
HHC		x M998,	x M1038,	x M977,	x M35,	x 80mm Mortar
INFANTRY COMPANY		x M998,	x M35,	x 60mm Mortar		
INFANTRY COMPANY		x M998,	x M35,	x 60mm Mortar		
INFANTRY COMPANY		x M998,	x M35,	x 60mm Mortar		
ANTI-TANK COMPANY		x M998,	x M966,	x M35		
ADA PLATOON		x M998,	x M1037,	x M1038,	x Avenger	
ENGINEER PLATOON		x M998,	x SEE			
LIGHT TRUCK PLATOON		x M998,	x M923			
FA BATTERY		x M998,	x M1097,	x M35,	x M119,	x M923
FIST		x M998				
SUPPORT COMPANY		x MKT,	x M35,	x M998,	x M871,	x M931,
		x M978,	x M1075,	x M936,	x TPU,	x M923,
		x M998				
<b>E. ARTILLERY ( FA)</b>						
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)				
HHC		x M998,	x M35,	x M577,	x M1038,	x M997,
		x M113,	x M981			
A BATTERY		x M998,	x M35,	x M577,	x M992,	x M109A6,
		x M1077,	x M1074,			
B BATTERY		x M998,	x M35,	x M577,	x M992,	x M109A6,
		x M1077,	x M1074,			
C BATTERY		x M998,	x M35,	x M577,	x M992,	x M109A6,
		x M1077,	x M1074,			
SVC BATTERY		x M998,	x M35,	x M1074,	x M1077,	x M978,
		x MKT,	x M88,	x M931,	x M998,	x M1038,
		x M984,	x M35			
MET SECTION		x M998				
TARGET ACQUISITION		x Q-36,	x M998,	x M923		
GS ARTY BN (O&I)		x M998,	x M577,	x M35		
<b>F. ENGINEER ( EN)</b>						
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)				
HHC		x M998,	x M113,	x M577,	x MKT,	x M35,
		x M923				
DS ENGINEER COMPANY		x M998,	x M113,	x M548,	x AVLB,	x MICLIC,
		x SEE,	x ACE,	x M35,	x M577,	x M977,
		x M923,	x M1038			
DS ENGINEER COMPANY		x M998,	x M113,	x M548,	x AVLB,	x MICLIC,
		x SEE,	x ACE,	x M35,	x M577,	x M977,
		x M923,	x M1038			
DS ENGINEER COMPANY (IF 3 HEAVY TF/BNs)		x M998,	x M113,	x M548,	x AVLB,	x MICLIC,
		x SEE,	x ACE,	x M35,	x M577,	x M977,
		x M923,	x M1038			
SUPPORT PLATOON		x M977,	x M998,	x M984,	x M978,	x M35
DIGITAL TERRAIN TEAM		x M998				
CSE PLATOON		x M998,	x M917,	x SEE,	x D7,	x M916,
		x M870,		x M928		

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<b>G. FORWARD SUPPORT BN ( FSB) AOE/LCD</b>		
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
HHD		x M998, x M934, x MKT, x M35, x M923, x TPU
SUPPLY COMPANY		x M998, x M936, x M35, x M871, x M129, x M931, x 6K Forklift, x M1077, x M1075, x M1076, x M969, x M923, x TPU,
MAINTENANCE COMPANY		x M998, x M35, x M936, x TPU, x M931, x M934, x M871, x M172, x M750, x M129, x 4K Forklift, x 10K Forklift, x M109, x M984, x 7.5 Ton Crane, x M1038, x M113
MEDICAL COMPANY		x M998, x M35, x M923, x TPU, x M936, x M577, x M934, x M997, x M113
<b>G. FORWARD SUPPORT BN ( FSB) FORCE XXI LOGISTICS STRUCTURE</b>		
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
HHD		x M998, x M934, x MKT, x M35, x M923, x TPU
MECH FORWARD SPT CO		x M998, x M936, x M35, x M871, x M129, x M931, x 6K Forklift, x M1077, x M1075, x M1076, x M969, x M923, x TPU,
ARMOR FORWARD SPT CO		x M998, x M35, x M936, x TPU, x M931, x M934, x M871, x M172, x M750, x M129, x 4K Forklift, x 10K Forklift, x M109, x M984, x 7.5 Ton Crane, x M1038, x M113
FORWARD SPT CO (IF 3 HEAVY TF/BN)		x M998, x M35, x M936, x TPU, x M931, x M934, x M871, x M172, x M750, x M129, x 4K Forklift, x 10K Forklift, x M109, x M984, x 7.5 Ton Crane, x M1038, x M113
BASE SUPPORT COMPANY		
MEDICAL COMPANY		x M998, x M35, x M923, x TPU, x M936, x M577, x M934, x M997, x M113
<b>H. DIVISION/CORPS SPT ( )</b>		
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
HEADQUARTERS DET		x M998, x MKT, x M35, x M923, x M984
MSMC(-)/ASMC(-)		x M998, x M997, x M934
AMMUNITION PLATOON		x M998, x 6K Forklift, x 10K Forklift, x M934, x M1077, x M1075, x TPU, x M923
SUPPLY COMPANY(-)		x M998, x 4K Forklift, x M931, x M871, x TPU, x M969, x 10K Forklift, x M923, x M129, x M35
TRANSPORTATION CO(-)		x M998, x TPU, x M871, x M923, x M931, x M35, x M1000, x M1070
DMMC		x M998
<b>I. AVIATION</b>		
UNIT (& INSTALLATION IF DIFFERENT THAN BCT)	UNIT DESIGNATION	MAJOR EQUIPMENT (List all major equipment for each unit)
AVIATION BRIGADE HQ		
ATTACK HELICOPTER BN		x AH-64
ASSAULT LIFT		x UH-60
GENERAL SUPPORT AVN		x UH-60
MEDIUM LIFT		x CH-47
FSMT		x UH-60
AVIM		
AVIATION SUPPORT BN		
ATS		

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<b>SECTION III. MANNING</b>			
<i>List total number of crews at full and partial strength by unit.</i>			
	UNIT	FULL CREWS	PARTIAL CREWS
M1 CREWS:	AR		
M2 CREWS:	IN		
M6 LINEBACKER CREWS:	ADA		
STINGER MANPADS CREWS:	ADA		
AVENGER CREWS:	ADA		
SCOUT CREWS:	CAV		
M109A6 CREWS:	FA		
120MM MTR CREWS:	IN AR		
81MM MTR CREWS:	IN		
60MM MTR CREWS:	IN		
DRAGON/JAVELIN CREWS:	IN		
TOW CREWS:	IN		
INFANTRY SQUADS (MECH):	IN (MECH)		
INFANTRY SQUADS (LT/AA/ABN):	IN		
AH-64 CREWS:	AVN		
UH-60 CREWS:	AVN (GS) AVN (ASSLT) AVN (FSMT)		
CH-47 CREWS:	AVN		
<b>SECTION IV. PERSONNEL</b>			
<i>List total number of personnel authorized and deploying for each unit.</i>			
UNIT	UNIT DESIGNATION	AUTH (from template)	DEPLOY
<b>A. HVY BDE ROTATION</b>			
HHC			
BRT			
AR BN		( )	( )
HHC			
AR CO			
AR CO			
AR CO			
IN BN		( )	( )
HHC			
IN CO			
IN CO			
IN CO			
FA BN		( )	( )
HHB			
FIRING BATTERY			
FIRING BATTERY			
FIRING BATTERY			
SVC BTRY			
Q-36			
MET SECTION			
FA BN (O&I)			
ADA BATTERY (+)		( )	( )
HQ PLT			
AVENGER PLT			
BSFV/LBKR PLT			
BSFV/LBKR PLT			
MANPADS PLT			
GBS SECTION			

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UNIT	UNIT DESIGNATION	AUTH (from template)	DEPLOY
EN BATTALION		( )	( )
HHC			
DS EN COMPANY			
DS EN COMPANY			
SPT PLT			
CSE PLT			
EOD DET			
MI COMPANY(+)		( )	( )
HHC(-)			
DS MI COMPANY			
GS MI COMPANY(-)			
MP PLATOON			
CHEMICAL COMPANY(-)		( )	( )
HQ PLT			
DECON PLATOON			
SMOKE PLATOON			
RECON SQUAD			
SUPPORT SQUAD			
SIGNAL COMPANY (+)		( )	( )
DS SIGNAL COMPANY			
RETRANS			
TACSAT			
EPLRS			

UNIT	UNIT DESIGNATION	AUTH (from template)	DEPLOY
<b>A. HVY BDE ROTATION (cont.)</b>			
FORWARD SPT BN		( )	( )
HHD			
SUPPLY CO / FSC			
MAINTENANCE CO / FSC			
MEDICAL CO			
BASE SUPPORT CO			
MSB/CSB		( )	( )
HQ			
ASMC(-)			
AMMO			
SUPPLY			
MEDICAL			
TRANSPORTATION			
MMC			
SUSTAINMENT CELL			
ALO			
WEATHER		( )	( )
<b>LIGHT TASK FORCE</b>			
INFANTRY BATTALION		( )	( )
HHC			
INFANTRY COMPANY			
INFANTRY COMPANY			
INFANTRY COMPANY			
ANTI-TANK COMPANY			
UNIT	UNIT DESIGNATION	AUTH (from template)	DEPLOY



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ADA PLATOON			
ENG PLATOON(+)			
TRANSPORTATION PLT			
FA BATTERY			
FIST TEAMS			
FORWARD SPT CO/TM			
<b>AVN TASK FORCE</b>		( )	( )
AVIATION BDE HQ			
ATTACK BN			
GS AVIATION BN(-)			
GS AVIATION COMPANY			
CMD AVN SEC/PLT			
ASSAULT LIFT CO			
MEDIUM LIFT SECTION			
AVIATION SUPPORT BN			
AVUM			
AVIM			
A2C2			
ATS			
<b>ROTATIONAL SUPPORT</b>			
O/C AUGMENTEES			
DTAC(-)			
DIVISION FORWARD CELL			
ENVIRONMENTAL TEAM			
DISE(-)			

UNIT	UNIT DESIGNATION	AUTH <i>(from template)</i>	DEPLOY
<b>B. AASLT ROTATION</b>			
HHC			
AIR ASSAULT BATTALION			
HHC			
RIFLE COMPANY			
RIFLE COMPANY			
RIFLE COMPANY			
ANTI-ARMOR COMPANY			
AIR ASSAULT BATTALION			
HHC			
RIFLE COMPANY			
RIFLE COMPANY			
RIFLE COMPANY			
ANTI-ARMOR COMPANY			
ARTILLERY BATTALION			
HHB			
FIRING BATTERY			
FIRING BATTERY			
FIRING BATTERY			
ARTILLERY BN (O&I)			
MET SECTION			

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UNIT	UNIT DESIGNATION	AUTH <i>(from template)</i>	DEPLOY
ADA BATTERY			
HQ			
AVENGER PLATOON			
AVENGER PLATOON			
STINGER PLATOON			
SENSOR SECTION			
ENGINEER TASK FORCE			
BN SUPPORT SLICE			
ENGINEER COMPANY			
CSE PLATOON(-)			
EOD			
MI COMPANY (+)			
JSTARS			
DS MI COMPANY			
GS MI COMPANY(-)			
CHEMICAL COMPANY(-)			
HQ			
RECON SQUAD			
DUAL PURPOSE PLT			
AREA SIGNAL CO(+)			
DS SIGNAL CO			
RETRANS			
TACSAT			
EPLRS			
MP PLATOON			
ALO			
PATHFINDER			
WEATHER			
FORWARD SUPPORT BN			
HQ & SUPPLY CO			
FORWARD MAINT CO			
MEDICAL COMPANY			
MAIN SUPPORT BN(-)			
HQ DETACHMENT			
ASMC(-)			
AMMO PLATOON			
SUPPLY COMPANY(-)			
LT/MED TRUCK PLT			
MMC			
<b>HEAVY TASK FORCE</b>			
HHC			
ARMOR COMPANY			
ARMOR COMPANY			
INFANTRY COMPANY			
ADA PLATOON			
FSB SLICE			
ARTILLERY BATTERY			
ENGINEER COMPANY			

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UNIT	UNIT DESIGNATION	AUTH (from template) ( )	DEPLOY ( )
<b>AVN TASK FORCE</b>			
AVIATION BDE HQ			
ATTACK BN			
GS AVIATION BN(-)			
GS AVIATION COMPANY			
CMD AVN SEC/PLT			
ASSAULT LIFT BN			
ASSAULT LIFT CO			
ASSAULT LIFT CO			
MEDIUM LIFT SECTION			
AVIATION SUPPORT BN			
AVUM			
AVIM			
A2C2			
ATS			
<b>ROTATIONAL SUPPORT</b>			
ATS			
DUSTBOWL COMPANY			
DIVISION FORWARD CELL			
ENVIRONMENTAL TEAM			
DISE(-)			

**A. TRACKED VEHICLES (List quantity totals by type of track vehicles.) (Include Home Station (HS) and NTC Draw)**

NTC	HS	ITEM	NTC	HS	ITEM
		MINE PLOW (B71632) Draw NTC = 12			M2A2 BRADLEY Draw NTC = 0
		CARR, AMMO M992A1 (C10908) Draw NTC = 18			M2A2 ODS BRADLEY (J81750) Draw NTC = 0
		MORTAR, M1064 (C10990) Draw NTC = 12			M2A3 BRADLEY Draw NTC = 0
		FISTV M981 (C12155) Draw NTC = 18			M3A2 CFV Draw NTC = 0
		BRADLEY FISTV Draw NTC = 0			M3A2 ODS CFV Draw NTC = 0
		CARR, SMK M1059 (C12815) Draw NTC = 7			M3A3 CFV Draw NTC = 0
		M577A2 (D11538) Draw NTC = 31			M2A2 BSFV Draw NTC = 0
		M577A2 MSE (D11538) Draw NTC = 6			M6 LINEBACKER Draw NTC = 0
		M577A2 IFSAS (D11538) Draw NTC = 6			M1A1 (T13168) Draw NTC = 58
		M577A3 (D11538) Draw NTC = 0			M1A1D Draw NTC = 0
		M109A6 (H57642) Draw NTC = 18			M1A2 Draw NTC = 0
		M88A1 (R50681) Draw NTC = 22			M1A2 SEP Draw NTC = 0
		M88A2 Draw NTC = 0			M113A2 (D12087) Draw NTC = 69
					M113A3 (D12087) Draw NTC = 0

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**B. WHEELED VEHICLES (List quantity totals by type of wheeled vehicles.)**

NTC	HS	ITEM	NTC	HS	ITEM
		BED CGO PLS M1077 (B83002) Draw NTC =			SEMITRL VAN 12 TON M129A3 (S75175) Draw NTC =
		CRANE WHL MTD 7.5 TON (C36151) Draw NTC =			TRK UTIL S250 SHELTER M1037 (T07543) Draw NTC=
		CONTAINER ASSY REFER (C84541) Draw NTC =			TRK UTIL HVY M1097 (T07679) Draw NTC =
		AVENGER (F57713) Draw NTC=			TRK AMB 4 LITTER M997 (T38844) Draw NTC =
		KITCHEN FLD TRL MTD (L28351) Draw NTC =			HEMMT CGO LT CRANE W/W (T39518) Draw NTC =
		LOADER SCOOP 2.5 CU YD (L76556) Draw NTC =			TRK CGO HVY PLS M1075 (T40999) Draw NTC =
		RAMP LOAD VEH (R11154) Draw NTC =			TRK CGO HVY PLS M1074 (T41067) Draw NTC =
		SEMITLR WTR POT 5K M1098 (S09989) Draw NTC =			TRK CGO MTV W/W (T41135) Draw NTC =
		SEMITRL FB 22.5 TON M871 (S70027) Draw NTC =			TRK CGO MTV (T41203) Draw NTC =
		SEMITRL LB 25 TON M172A1 (S70517) Draw NTC =			TRLR FB 11 TON M989 (T45465) Draw NTC =
		SEMITRL LB 70 TON M1000 (S70859) Draw NTC =			FORKLIFT 6K LB (T48944) Draw NTC =
		SEMITRL FUEL 5K M969A1 (S73372) Draw NTC =			FORKLIFT 10K LB (T49119) Draw NTC =
		SEMITRL VAN 6 TON M750 (S74832) Draw NTC =			FORKLIFT 4K LB (T49255) Draw NTC =
		HEMMT 2500 GAL JP-8 W/W (T58161) Draw NTC =			TRLR CGO ¾ TON M101A1 (W95537) Draw NTC =
		TRK TRACTOR HET M1070 (T59048) Draw NTC =			TRLR CGO 1 ½ TON M105A2 (W95811) Draw NTC =
		HEMMT CGO MED CRANE M977 (T59278) Draw NTC =			TRLR WATER 400 GAL M149 (W98825) Draw NTC =
		TRUCK CGO LMTV M1078 (T60081) Draw NTC =			TRK CGO 2 ½ TON M35A2 (X40009) Draw NTC =
		TRUCK CGO LMTV W/W (T60149) Draw NTC =			TRK CGO DS 2 ½ TON M35A2C (X40077) Draw NTC =
		TRUCK TRCTR MET (T61171) Draw NTC =			TRK CGO 2 ½ TON W/W (X40146) Draw NTC =
		TRUCK TRCTR MTV (T61239) Draw NTC =			TRK CGO 2 ½ TON XLWB M36A2 (X40283) Draw NTC =
		TRUCK TRCTR MTV W/W (T61307) Draw NTC =			TRK CGO 5 TON DS M818/923 (X40794) Draw NTC =
		HMMWV M998 (T61494) Draw NTC =			TRK CGO 5 TON LWB M813/924 (X40831) Draw NTC =
		HMMWV M998 W/ STINGER (T61494) Draw NTC =			TRK CGO 5 TON DS W/W M925 (X40931) Draw NTC =
		HMMWV M1038 (T61562) Draw NTC =			TRK CGO 5 TON W/W LWB M926 (X40968) Draw NTC =
		TRUCK CGO MTV LWB (T61704) Draw NTC =			TRK DUMP 5 TON M817/928 (X43708) Draw NTC =
		TRUCK CGO MTV (T61908) Draw NTC =			FORKLIFT 6K (X48914) Draw NTC =
		HEMMT WRKR M984A1 (T63093) Draw NTC =			TRK TRCTR 5 TON M931 (X59326) Draw NTC =
		HEMMT 2500 GAL JP-8 (T87243) Draw NTC =			TRK TRCTR 5 TON W/W M932 (X59463) Draw NTC =

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**B. WHEELED VEHICLES (Continued)**

NTC	HS	ITEM	NTC	HS	ITEM
		HMMWV ARM M1025 SCT (T92242) Draw NTC =			TRK VAN EXP 5 TON M820/934 (X62237) Draw NTC =
		HMMWV ARM M1025 (T92242) Draw NTC =			TRK VAN SHOP 2 ½ TON M109 (X62340) Draw NTC =
		HMMWV ARM W/W M1026 SCT (T92310) Draw NTC =			TRK WRKR 5 TON M543/M936 (X63299) Draw NTC =
		HMMWV ARM W/W M1026 (T92310) Draw NTC =			TRLR CGO LMTV W/DS (Z36068) Draw NTC =
		TRUCK VAN LMTV M1079 (T93484) Draw NTC =			TRLR CGO ¾ TON M101 (Z36272) Draw NTC =
		TRLR PALLET LOAD M1076 (T93761) Draw NTC =			TRLR CGO MTV W/DS (Z90712) Draw NTC =
		TRLR SPT UNIT (T94143) Draw NTC =			NBC RECON VEH (FOX) XM93 (Z93144) Draw NTC =
		TRUCK WRKR MTV (T94709) Draw NTC =			TRUCK TNK POL MTV (Z94047) Draw NTC =
		TPU TRUCK MTD (V12141) Draw NTC =			TRUCK VAN EXPANDO MTV (Z94560) Draw NTC =
		TPU TRLR MTD (V19950) Draw NTC =			
		M58 SMOKE VEH (G87229) Draw NTC =			Model (LIN)

**C. ENGINEER EQUIPMENT (List quantity totals by type of track vehicles, wheel vehicles, and engineer equipment.)**

NTC	HS	ITEM	NTC	HS	ITEM
		BRIDGE AVLB (C20414) Draw NTC =			SCRAPER (S56246) Draw NTC =
		VOLCANO M548 (D11049) Draw NTC =			SEMI TRLR LB 40 TON M870A1 (S70594) Draw NTC =
		CEV (E56578) Draw NTC =			SEE (T34437) Draw NTC =
		COMPACTOR (E61618) Draw NTC =			HEMMT MED CRN M985 (T39586) Draw NTC =
		CRANE WHL MTD 20 TON (F39378) Draw NTC =			HEMMT MED CRN W/W M985 (T39654) Draw NTC =
		GRADER (G74783) Draw NTC =			TRK TRCTR LET M916 (T91656) Draw NTC =
		LAUNCHER AVLB (L43664) Draw NTC =			ACE M9 (W76473) Draw NTC =
		LAUNCHER MICLIC (L67342) Draw NTC =			DOZER D7 W/W (W76816) Draw NTC =
		MTG KIT MINE RLR (M18157) Draw NTC =			DOZER D7 W/RIP (W83529) Draw NTC =
		MINE ROLLER (R11006) Draw NTC =			TRK, DUMP, 20T, M917 (X44403) Draw NTC =
		ROLLER VIBRATORY (S12916) Draw NTC =			Model (LIN)
		Model (LIN)			Model (LIN)



## APPENDIX F

### Aviation

#### F-1. General

a. This appendix outlines authorized aircraft templates and troop list by type rotation. These authorizations provide the basis for division flying hours and other resource funding in support of aviation participation at the NTC. Unit will project and submit flying hours needed for a rotation in their yearly flying hour program. Rotation funding is based on these authorizations.

b. In accordance with Chief of Staff, Army guidance, each FORSCOM active component attack aviation battalion, aviation squadrons, and division cavalry squadron conduct an NTC rotation every two years. Additionally, the ARNG will program for one ARNG Attack Bn per year. The MILES AGES training aids are available for these rotations.

c. If a rotation does not involve an attack helicopter battalion or division cavalry squadron, the rotational brigade may deploy an aviation team to support C2 and admin/logistic requirements. If the rotation is a heavy/light rotation, then an assault helicopter company (light task force) is authorized and resourced for deployment by the parent corps or MACON. Additional aircraft, in excess of those templated, must be requested as an exception and funded/resourced internally.

d. The corps/division providing the light task force for a heavy/light rotation is responsible for providing the assault Helicopter Company and AVIM section. The heavy force provides the command and general support helicopters.

e. The 101st Airborne Division (Air Assault) is authorized an aviation task organization that will support air assault operations for the Air Assault/Heavy rotations. Additionally, the unit will be responsible for providing O/C augmentation, including personnel and aircraft.

f. Medium lift (CH-47s) and air traffic control support may be provided by the heavy force's respective corps. If a corps does not have CH-47s, it may substitute UH-60s for authorized CH-47s at a rate of two UH-60s per CH-47.

g. Forces Command will resource aviation units (flight hours or SA/AM) to support deployment and redeployment operations only. Units will execute rotational training OPTEMPO from within their annual flight hour program. Units are responsible to program flight hours for the rotation. All aircraft, other than CH-47s, stationed east of the Mississippi River will deploy by strategic airlift, C-17/C-5, SA/AM. All aircraft stationed west of the Mississippi River will self-deploy. When funds are

available CH-47s, stationed east of the Mississippi River, will deploy by strategic airlift.

h. Forward Support Medevac Team (FSMT) is scheduled during the Worldwide Training and Scheduling Conference to train air medevac during selected rotations. The FSMT are listed in the troop list template, Annex A. Observer/controller augmentees are required when FSMT deploy to the NTC and come from the unit providing the FSMT.

#### F-2. Aviation task force missions at NTC

a. Conduct day/night attack helicopter operations against an opposing force.

b. Air move or air assault one infantry company in one lift for light, airborne, and air assault rotations.

c. Provide general aviation support.

d. Provide command aviation support.

e. Conduct 24-hour operations.

f. Assist division with Army Airspace Command and Control (A2C2).

g. Conduct air cavalry operations.

h. Attack helicopter battalions have the opportunity to conduct deep operations against the China Lake Naval Weapons Test Center's (CLNWTC) radar facility. This training event requires funding by the rotational unit to offset the costs incurred by the Navy. Prior to deploying to the NTC, units desiring to participate in this training should MIPR the required funds to:

Naval Air Warfare Center  
Weapons Division  
Code 52942OD  
ATTN: ECR  
China Lake, CA 93555

#### F-3. Live Fire Participation

Rotational aviation units have the opportunity to participate in live fire tactical scenarios as a complete task force. Participation requirements include:

a. All requirements stated in Chapter 1, para 1-5, subpara (4) (Standards of Proficiency).

b. Completion of aerial gunnery qualification (Table VIII) within twelve (12) months is mandatory, no waivers.

c. Crews completing aerial gunnery qualification (Table VIII) within the previous six (6) months satisfy the requirement or a collective live fire exercise and do not require a waiver.

d. Assault and general support helicopter units may conduct live fire door gunnery operations. Helicopter door gunners will qualify IAW FM 1-140

(Helicopter Gunnery) Appendix A, within six (6) months of the NTC rotation.

**F-4. Army Airspace Command and Control (A2C2) Requirements**

a. Air Traffic Service (ATS) functions for the 52d Infantry Division (Mech) Flight Operations Center must be present for all rotations to support flight following for rotary and fixed wing aircraft. Forces Command directly to XVIII Airborne Corps or unit providing the ATS support will fund this rotational support requirement.

b. Upon arrival at the NTC, ATS personnel will report to the 52d Infantry Division (Mech) G3 at Bldg 988 for mission instructions.

**F-5. Heavy Brigade (-) Rotation**

All units within the aviation task force, with the exception of the medium lift platoon (-) and the ATC platoon, will be provided by the rotational division. The medium lift support and the ATC support will come from the Parent Corps.

**F-6. ACR Rotations**

Primarily the regimental aviation squadron will provide aviation support. Medium lift support, AVIM and ATC support will be provided by the Parent Corps. The third air troop of the Heavy ACR will be approved for deployment on a case-by-case basis as part of the rotation troop list exceptions.

**F-7. Heavy/Light, Airborne, and Air Assault Rotations**

The corps/division commander of the heavy force will determine the unit responsible for aviation support for the rotation. Aviation support with the exception of medium lift, assault Helicopter Company and its associated AVIM, and ATC will normally be provided by the heavy division. The attack helicopter battalion will normally come from the heavy division, but may be provided by the corps or light division by exception. Aviation flying hours, operational readiness, training status, throughput requirements, and deployment costs must be considered.

**F-8. Aviation Brigade HQ, "White Cell"**

When an Attack Bn is scheduled for a rotation, the parent Division must provide the doctrinal Bde HQ command and control (C2) cell. The cell can play as a "white or blue" depending on training objectives and resources. However, a "C2" Aviation Brigade HQ (-) cell must deploy when an attack helicopter battalion is deployed. The C2 cell can (but will not be required) deploy tactically, and will receive limited O/C coverage. The C2 cell will provide aviation brigade level planning and control support and be under the operational control of the NTC Operations Group (52d ID).

**F-9. Points of Contact (POC)**

Forces Command POC for aviation issues is AFOP-AV (DSN 367-5076). The POC for MEDEVAC is AFMD (DSN 367-7375).



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**F-10. Aviation Troop List by Type Rotation**

**TABLE F-1 (Heavy BDE with Attack Aviation)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AVN - HVY BDE w/ ATK</b>		<b>631</b>	<b>Railcar Auth: 70</b>	
Aviation Bde HQ	1	75		LMTVs 2; HMMWVs 10; Trailers 7; Gen/Pwr Spt/AC 6; MILVANS 3.
Attack Helicopter Bn	1	326	AH64s 24	HEMTTs 14; FMTVs 3; LMTVs 16; HMMWVs 28; Crane 1; Fork Lifts 3; MKT 1; TPU 12; Trailers 45; Water Tlrs 3; Gen/Pwr Spt/AC 30.
GS AVN Co	1	35	UH60s 8.	HMMWVs 3; Trailers 3; Gen/Pwr Spt/AC 2.
Command Aviation Section	1	15	UH60s 2	HMMWV 1; Trailer 1.
Medium Lift Section	1	32	CH47s 4	HMMWV 1; Trailer 1.
GS AVUM Company (-)	1	34		LMTVs 4; HMMWVs 2; Trailers 3; Gen/Pwr Spt/AC 5.
DASB Support Element (-)	1	83		HEMTTs 15; FMTVs 15; LMTVs 3; HMMWVs 4; Scoop Loader 1; Fork Lifts 3; MKTs 2; TPUs 3; Trailers 18; Water Tlrs 2; Gen/Pwr Spt/AC 3.
A2C2	1	4		
FSMT	1	21	UH60s 3	

**TABLE F-2 (Heavy BDE with GS Aviation only)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>HVY BDE GS AVN</b>		<b>147</b>	<b>Railcar Auth: 16</b>	
GS Aviation Company (-)	1	3		HMMWV 1; Trailer 1; MILVANS 1.
GS Aviation Platoon	1	15	UH60s 4	HMMWV 1; Trailer 1.
Command Aviation Section	1	15	UH60s 2	HMMWV 1; Trailer 1.
Medium Lift Section	1	32	CH47s 4	HMMWV 1; Trailer 1.
GS AVUM Company (-)	1	33		LMTVs 4; HMMWVs 2; Trailers 3; Gen/Pwr Spt/AC 5.
DASB Support Element	1	28		Scoop Loader 1; Fork Lift 1; LMTVs 2; FMTVs 9; HMMWVs 3; MKTs 1; TPUs 3; Trailers 9; Water Tlrs 2; Gen/Pwr Spt/AC 3
FSMT	1	21	UH60s 3	

**TABLE F-3 (Heavy/Light Rotation with GS & ASSLT Aviation)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AVN – HVY/LT GS AVN &amp; ASSLT</b>		<b>278</b>	<b>Railcar Auth: 30</b>	
GSAB or ASSLT BN HQ (-)	1	60		HEMTTs 5; FMTVs 2; LMTVs 3; HMMWVs 9; MKT 1; TPUs 7; Trailers 10; Water Tlrs 2; Gen/Pwr Spt/AC 9; MILVANs 3.
GS AVN PLT	1	15	UH60s 4.	HMMWV 1; Trailer 1.
Command Aviation Section	1	15	UH60s 2.	HMMWV 1; Trailer 1.
ASSLT Helicopter Co.	1	64	UH60s 15.	HMMWVs 4; Crane 1; Trailers 4; Gen/Pwr Spt/AC 2.
GS AVUM Company (-)	1	33		LMTVs 4; HMMWVs 2; Trailers 3; Gen/Pwr Spt/AC 5.
Medium Lift Section	1	32	CH47s 4	HMMWV 1; Trailer 1.
DASB Support Element	1	28		FMTVs 9; LMTVs 2; HMMWVs 3; Scoop Loader 1; Fork Lift 1; MKT 1; TPUs 3; Trailers 9; Water Tlrs 2; Gen/Spt/AC 3.
A2C2	1	4		
FSMT	1	21	UH60s 3	

**TABLE F-4 (Heavy/Light Rotation with Attack Aviation)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AVN - HVY LT w/ ATK</b>		<b>790</b>	<b>Railcar Auth: 89</b>	
Aviation Bde HQ (-)	1	75		LMTVs 2; HMMWVs 10; Trailers 7; Gen/Pwr Spt/AC 6; MILVANs 3.
Attack Helicopter Bn	1	326	AH64s 24.	HEMTTs 14; FMTVs 3; LMTVs 16; HMMWVs 28; Crane 1; Fork Lifts 3; MKT 1; TPUs 12; Trailers 45; Water Tlrs 3; Gen/Pwr Spt/AC 30.
GSAB or ASSLT BN HQ (-)	1	60		HEMTTs 5; FMTVs 2; LMTVs 3; HMMWVs 9; MKT 1; TPUs 7; Trailers 10; Water Tlrs 2; Gen/Pwr Spt/AC 9.
Command Aviation Section	1	15	UH60s 4.	HMMWV 1; Trailer 1.
GS AVN Company	1	35	UH60s 8.	HMMWVs 3; Trailers 3; Gen/ Spt/AC 2.

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**TABLE F-4 Cont. (Heavy/Light Rotation with Attack Aviation)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
GS AVUM Company	1	69		LMTVs 7; HMMWVs 3; Crane 1; Fork Lift 1; Trailers 8; Water Tlr 1; Gen/ Spt/AC 10.
Medium Lift Section	1	32	CH47s 4.	HMMWV 1; Trailer 1.
ASSLT Helicopter Company	1	64	UH60s 15.	HMMWVs 4; Crane 1; Trailers 4; Gen/Pwr Spt/AC 2.
DASB Support Element (-)	1	83		HEMTTs 15; FMTVs 15; LMTVs 3; HMMWVs 4; Scoop Loader 1; Fork Lifts 3; MKTs 2; TPUs 3; Trailers 18; Water Tlrs 2; Gen/Pwr Spt/AC 3.
A2C2	1	4		
FSMT	1	21	UH60s 3.	

**TABLE F-5 [Light (ABN or Infantry)/Heavy Rotation with GS and AASLT Aviation]**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AVN – ABN or LT BDE GS Avn &amp; Asslt</b>		<b>326</b>	<b>Railcar Auth: 33</b>	
GSAB or ASSLT BN HQ (-)	1	60		HEMTTs 5; FMTVs 2; LMTVs 3; HMMWVs 9; MKT 1; TPUs 7; Trailers 10; Water Tlrs 2; Gen/Pwr Spt/AC 9; MILVANs 3.
Command Aviation Section	1	15	UH60s 2.	HMMWV 1; Trailer 1.
Assault Helicopter Company	1	64	UH60s 15.	HMMWVs 4; Crane 1; Trailers 4; Gen/Pwr Spt/AC 2.
GS ASSLT AVUM Company (-)	1	33		LMTVs 4; HMMWVs 2; Trailers 3; Gen/Pwr Spt/AC 5.
Medium Lift Section	1	32	CH47s 4.	HMMWV 1; Trailer 1.
Aviation Maintenance Company (AVIM) (-)	1	91		FMTVs 6; Trucks 6; HMMWVs 4; Crane 1; MKT 1; Trailers 13; Water Tlr 1; Gen/Pwr Spt/AC 13.
A2C2	1	4		
FSMT	1	21	UH60s 3.	

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**TABLE F-6 [Light (ABN or Infantry)/Heavy Rotation with GS, Attack and AASLT Aviation]**

UNIT AND SUBUNITS	# UNIT S	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AVN – ABN or LT BDE w/ ATK</b>		<b>779</b>	<b>Railcar Auth: 97</b>	
AVN BDE HQ (-)	1	120		HEMTTs 22; Trucks 3; HMMWVs 21; Fork Lifts 2; MKT 1; TPUs 14; Trailers 30; Water Tlrs 2; Gen/Pwr Spt/AC 18; MILVANs 5.
Command Aviation PLT	1	15	UH60s 4.	HMMWV 1; Trailer 1.
Assault Helicopter Company	1	64	UH60s 15.	HMMWVs 4; Crane 1; Trailers 4; Gen/Pwr Spt/AC 2.
ATK Helicopter BN	1	235	OH58s 24.	FMTV 1; Trucks 15; HMMWVs 28; Crane 1; Fork Lift 1; MKT 1; Trailers 30; Water Tlrs 3; Gen/Pwr Spt/AC 33.
Medium Lift Section	1	32	CH47s 4.	HMMWV 1; Trailer 1.
Aviation Maintenance Company (AVIM) (-)	1	282		FMTVs 24; LMTVs 13; HMMWVs 8; Crane 1; Fork Lifts 2; MKT 1; TPU 1; Trailers 33; Water Tlrs 2; Gen/Pwr Spt/AC 43.
A2C2	1	4		
ATS Section	1	6		
FSMT	1	21	UH60s 3.	

**TABLE F-7 (ASLT BDE Rotation)**

UNIT AND SUBUNITS	# UNITS	UNIT PERS	REMARKS	MAJOR EQUIPMENT
<b>AVN – ASLT BDE</b>		<b>1157</b>	<b>Railcar Auth: 157</b>	
Aviation Bde HQ	1	96		LMTVs 5; HMMWVs 23; MKT 1; TPU 1; Trailers 13; Water Tlrs 2; Gen/Pwr Spt/AC 28; MILVANs 22.
Assault Lift Battalion	1	322	UH60s 30.	HEMTTs 15; FMTVs 2; LMTVs 9; HMMWVs 29; Crane 1; Fork Lifts 2; MKT 1; TPUs 9; Trailers 33; Water Tlrs 3; Gen/Pwr Spt/AC 26.

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<b>UNIT AND SUBUNITS</b>	<b># UNITS</b>	<b>UNIT PERS</b>	<b>REMARKS</b>	<b>MAJOR EQUIPMENT</b>
Attack Helicopter Battalion	1	310	AH64s 24.	HEMTTs 18; FMTVs 2; LMTVs 12; HMMWVs 28; Crane 1; Fork Lifts 3; MKT 1; TPUs 9; Trailers 43; Gen/Pwr Spt/AC 29.
Command Aviation Battalion (-)	1	104	UH60s 8.	HEMTTs 5; FMTV 1; LMTVs 4; HMMWVs 13; Crane 1; Fork Lift 1; MKT 1; TPUs 5; Trailers 4; Water Tlr 1; Gen/Pwr Spt/AC 12.
Medium Lift Section	1	32	CH47s 4.	HMMWV 1; Trailer 1.
Aviation Maintenance BN (AVIM) Support Element	1	262		FMTVs 33; LMTVs 13; HMMWVs 19; Fork Lifts 2; MKT 1; TPU 1; Trailers 46; Water Tlrs 3; Gen/Pwr Spt/AC 68.
A2C2	1	4		
FSMT	1	21	UH60s 3.	

## **APPENDIX G**

### ***Administrative Support***

#### **G-1. Predeployment Package**

The NTC will issue a pre-deployment package containing applicable regulations, SOPs, memorandums of instruction, and other items to the AC training unit 210 days prior to scheduled training and to the RC training unit 18 months prior to scheduled training. The package will include a list of shortage ammunition items that units may supplement with home station authorizations.

#### **G-2. Military Police (MP)**

a. The MP augmentation to perform garrison law enforcement operations at the NTC is not required. However, training unit commanders are responsible for monitoring unit personnel. The NTC requires MP support for the following:

(1) One military policeman for duty at the NTC MP station as liaison and to respond, with assigned NTC MP, to incidents in the cantonment area involving training unit personnel.

(2) If the training unit brings a Military Police Investigator (MPI), the investigator will make a liaison visit to the NTC MPI section to establish liaison and conduct case coordination.

b. The NTC Provost Marshal Office will prepare Serious Incident Reports regardless of personnel or property involved. Training unit military police will investigate incidents, which do not involve NTC personnel or NTC property, and will be responsible for all internal MP reports and MPI case numbers they require.

c. Evidence acquired during an investigation initiated by the training unit's MP may be temporarily secured in the NTC MPI/Criminal Investigation Division (CID) evidence depository, pending administrative processing and forwarding to the home station.

#### **G-3. Legal Services**

a. Legal assistance. Unit commanders will ensure that the personal affairs of soldiers are in order before deployment. Particular attention should be paid to adequate arrangements for support of dependents. The unit's home station legal office bears the primary responsibility for legal support. Soldiers should be provided the opportunity to prepare wills and powers of attorney as well as to change pay options and initiate/change allotments. Coordination with the local Staff Judge Advocate (SJA) and Defense Finance Accounting Services (DFAS) will be made as required. The NTC SJA will provide emergency legal assistance and claims support. The NTC SJA, or his designated legal

officer, will be responsible for determining that an emergency exists.

b. Military justice:

(1) Training units will not be attached to the NTC for courts-martial jurisdiction. Unit commanders will coordinate with local SJA for redeployment instructions concerning pending courts-martial and advice on handling any serious incidents, which occur while at the NTC. The unit's home station legal office bears the primary responsibility for legal support.

(2) Training units will deploy with adequate legal support for non-judicial punishment actions and summary courts-martial. Deployment of a legal officer is encouraged. In the event a legal officer is not deployed, NTC SJA will provide command legal advice, as required.

(3) Legal advice for service members offered non-judicial punishment or summary courts-martial will be coordinated by the local SJA Trial Defense Service (TDS) office or NTC TDS office.

#### **G-4. Medical Services**

a. Units will use organic assets to provide routine medical care to personnel at the most forward deployed medical treatment site or area. Units will assign:

(1) One medical liaison from the 91W series career management field (CMF) to serve as liaison. This individual will be a staff sergeant or above with an understanding of medical terminology and patient administration procedures.

(2) One 91W10 must be provided to serve as the liaison assistant.

(3) The duties of the Liaison Team will include the tracking of all patient statuses, providing daily updates to the WACH Commander on admissions and discharges, and providing status of all medical treatment rendered on the NTC by rotational assets. The Liaison team will assist the unit's credentialed providers in routine medical care to include but not limited to lab work, minor surgery procedures, IV administration, assisting patients with X-ray examinations, and reporting patient information to the NTC G3, the 52d ID TOC, Rotational Safety Officer, Provost Marshal LNO Team as needed.

(4) In the event of MASCAL Operations, the LNO team will fall directly under the command and control of the Patient Administration Department until operations are complete.

(5) The LNO team must be present from the arrival of the initial ADVON until the departure of the trail party.

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(6) Commander, MEDDAC will provide the written SOPs for all activities and duties of the Liaison Team.

b. Weed Army Community Hospital will handle medical support for emergencies beyond the capabilities of the training unit. Units will coordinate with the Commander, Weed Army Community Hospital, 30 days before deployment.

c. The 247th Medical Detachment (RG) Company (Aeromedevac) provides MEDEVAC (Medical Evacuation) service at the NTC for the training unit. Use Range Control frequency 38.90 (FM) to call for MEDEVAC assistance. Units will brief all personnel on the proper procedures for requesting MEDEVAC.

d. Rotational units are responsible for providing their own medical treatment teams and ground evacuation capability at all railhead/airhead facilities and other outlying locations. In case of a life threatening injury or loss of limb injury, units will utilize the county 911 systems to render emergency evacuation. All other soldiers will be ground evacuated to Weed Army Community Hospital by unit assets.

e. All PROFIS physicians (Battalion Surgeons) must arrive at the National Training Center no later than RSO&I Day 1. They must attend mandatory briefings on RSO&I Day 1 through RSO&I Day 3 from Fort Irwin MEDDAC. Exceptions to this policy must be approved at least 14 days in advance with the NTC Surgeon.

f. Main Support Medical Company (-) or Area Support Medical Company (-) will provide support for DTOC augmentees, DSA, and EOC personnel, and soldiers evacuated from the ROTATIONAL BRIGADE whose condition do not require admission to MEDDAC but cannot return to training will support live fire administrative requirements and act as the clinical liaison for the rotational brigade surgeon. The rotational unit will coordinate evacuation to home station for soldiers whose condition does not require admission to MEDDAC, Fort Irwin, but who cannot return to training.

g. The MSMC(-)/ASMC(-) will consist of the following:

	<u># Required</u>	<u>Equipment</u>
MS Officer (C2)	1	
MC Officer	1	
Physician Assistant	1	
Mental Health Officer	1	
NCOIC (1SG/PSG)	1	
91G10/20	1	
91S20/30	1	
91S10	1	
76J20	1	
76J10	1	
91W30 (Liaison)	1	
91W10 (Liaison Asst)	1	

	<u># Required</u>	<u>Equipment</u>
Treatment Squad		MES Sick call
91W30 (Squad Leader)	1	MES Trauma
91W20	1	GP Small
91W10	4	
Evacuation Squad		MES Ground Ambulance
91W20 (Squad Leader)	1	(1 per ambulance)
91W10	4	2 x M997
Patient Holding Squad		MES Patient Hold
91W30 (Squad Leader)	1	GP Medium
91W10M6	2	Power Generation
91W10	2	Light Sets
		Heaters (Oct – Apr)
TOTAL:	28	

h. The two health care providers assigned to the MSMC(-)/ASMC(-) will remain in the DSA during the entire rotation. They must submit a transfer brief per DOD memorandum, (DOD InterFacility Credentials Transfer and Privileging, dated 11 Jul 94) to the Fort Irwin MEDDAC (ATTN: Quality Assurance Office) no later than 30 days prior to deployment to the NTC. Fort Irwin MEDDAC will not allow any additional clinicians to use Fort Irwin MEDDAC facilities. The unit must provide a written SOP for Quality Assurance of the Physician Assistants work by the General Medical Officer IAW AR 40-68, p. 4, para. 3-4a no later than 30 days prior to deployment to the NTC.

i. The MSMC(-)/ASMC(-) must provide a patient transport vehicle (TMP vehicle) and driver to provide transportation of non-urgent, routine patients (that will not require medical care enroute) to outlying facilities as necessary.

j. The rotational brigade will provide sick call and emergency care as needed for reserve component TOFM units, which are assigned or attached to the rotational brigade.

k. The reserve component ASG or CSG must provide one evacuation team and one physician assistant at each Railhead/Airhead receiving location where TOFM units are conducting missions, and one treatment squad for DSA base operations during any TOFM rotation.

l. Questions regarding medical services at the NTC will be directed to the Commander, MEDDAC DSN 470-3108/3371.

**G-5. Dental Services**

a. Units deploying for training at the NTC must bring organic dental support to provide direct patient care as part of the training exercise. A dental officer, dental assistant, and complete set of field dental equipment should deploy with the rotational unit.

b. The NTC will handle dental problems or emergencies beyond the capabilities of the training

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unit. Units will coordinate with the Commander, NTC Dental Activity (DENTAC), 30 days before deployment.

c. Practitioner Privileging. A written request for courtesy privileges will be sent to the NTC and Fort Irwin DENTAC from the rotational unit's DENTAC commander 60 days prior to deployment. The request must include a summary of the dental officer's current privileging status, validation of current licenser and BCLS, summary statement addressing DA Form 5374-R, Performance Assessment, DA Form 5441-R, Evaluation of Privileges-Deletes.

d. Questions regarding dental services at the NTC will be directed to the Commander, DENTAC.

**G-6. Chaplain Support**

Units will deploy with Chaplain support. The NTC Chaplain is available for coordination.

**G-7. Emergency Leave/Red Cross Support**

When available, units will deploy with a Red Cross field representative. Under AR 600-8-10, the Commander has authority to approve/disapprove emergency leaves. The training unit will make coordination with the Fort Irwin Red Cross field representative office (Bldg 548) and the Fort Irwin Emergency Operations Center for emergency leave support.

**G-8. Morale Support Activities**

Morale support activities at the NTC are available for use by training unit personnel.

**G-9. Postal Service**

a. Address mail for training unit personnel as follows:

PFC JOHN J. DOE  
Co//////////,//////////Bn  
(Rotation #//////////)  
Fort Irwin CA 92310-5000

b. The NTC will issue mail in bulk to brigade postal personnel. Qualified personnel will accompany the unit to the NTC to perform breakdown and issue of mail.

c. Units will not sell postal money orders in the field while at the NTC. Units can purchase postal money orders from the Post Office (Bldg 320). Units must coordinate requirements in excess of 100 money orders with the DOIM-Fort Irwin 10 days prior to deployment to the NTC.

d. Units will deliver all outgoing mail to the Mail and Distribution Center (Bldg 306). Units will process mail requiring special postal services through the Post Locator (Bldg 306).

e. Units training at the NTC will appoint an officer or senior NCO as the brigade postal officer. The postal officer and the brigade mail clerk must in-process through the Installation Postal Officer or NCO (Bldg 13) prior to receiving any mail at the Post Office. Upon departure from the NTC, postal personnel must clear through the Post Locator.

f. Brigade mail clerks must possess a secret clearance; brigade security managers must verify clearance 30 days prior to deployment to NTC. Authorized unit security managers must verify unit personnel requiring access to classified material and/or information. Unit security managers must authorize and send security verification with original signatures to:

Commander, NTC & Fort Irwin  
G-2, Directorate on Intelligence & Security  
ATTN: AFZJ-I-S, P.O. Box 105059  
Fort Irwin, CA 92310-5059

**G-10. Copy Support**

Training units must coordinate additional reproduction support with the installation DOIM, Operations and Systems Integration Division (OSID), Administrative Services Branch (Bldg 410) DSN 470-4372.

**G-11. Maps**

Units will order maps through normal procurement channels. Training units must have the following map sheets. The NTC cannot provide bulk issue of maps to rotational units.

- a. Sheet, Fort Irwin, Series V795S, Edition 1-DMA Military Installation Map North, (1:50,000).
- b. Sheet, Fort Irwin, Series V795S, Edition 3-NIMA Military Installation Map South, (1:50,000). (order WGS 84 DATUM sheets)

**G-12.**

**Environmental/ArchaeologicalRestrictions**

a. Environmental and archaeological restrictions applicable to Fort Irwin are in NTC Regulations 351-3, 200-1 and 200-6. The NTC Regulation 200-1 (Training and Field Exercises), Chapter 10, lists the land protection rules necessary at Fort Irwin. The NTC Regulation 200-6 (Hazardous Materials Waste Management Program) requires reporting and clean-up of spills, limits the use of solvents, prohibits the disposal of hazardous wastes and liquids in the Fort Irwin landfill and requires that used POL be placed in designated storage tanks, and empty drums or containers be properly turned in.

b. The rotational unit will be required to contract for the use of waste disposal facilities in/around mobile AAR sites.



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c. (1) Environmental Team. Rotational units will deploy with an engineer detachment to provide exclusive support for environmental cleanup.

(2) Fenced in areas are off limits environmental protected areas. Maneuver units will not enter these areas.

d. The only place a unit is authorized to paint distinctive unit symbols or crest is at the rock pile, vicinity, the Main Gate, Fort Irwin (grid 11S NJ23009575). The Fort Irwin, installation G3 must approve all requests to paint or alter rock formations at the rock pile.

e. Rotational units will observe all restrictions related to the California Desert Tortoise and any other endangered or threatened species.

### G-13. Communication Support

The Directorate of Information Management (DOIM), Fort Irwin furnishes the following information systems support. These offices may be reached by dialing DSN 470 or Commercial (760) 380 and listed extensions:

<u>Support Provided</u>	<u>POC/Phone Number</u>
Automation	C, OSID/4484
Postal	C, OSID-ADMIN/4372
Publications	C, OSID-ADMIN/4372
Copier support	C, OSID-ADMIN/4372
Telecommunications center	C, OSID-TCC/3010
Facsimile	C, OSID-TCC/3734
Information systems/ communications planning	C, RMP/3625

### G-14. Personnel

a. Preparation for movement. Commanders will ensure that soldiers are prepared for movement IAW DAPE-MPS message 181744Z May 87.

b. Headquarters, FORSCOM will not normally support stabilization of personnel for NTC training. If fully justified, training units will forward individual or group stabilization requests to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN:G1/AFAG-PRE, Fort McPherson, GA 30330-1062 for consideration. Commanders may also, as an exception to policy, submit operational deletion/deferment requests if exceptional conditions exist. Submit operational deletion/deferment requests to PERSCOM in accordance with AR 600-8-11.

c. Report serious incidents to the Fort Irwin Emergency Operations Center, extension 4362. The NTC inturn will notify Headquarters, Forces Command, 1777 Hardee Avenue, SW ATTN: G3/FOC, Fort McPherson, GA 30330-1062, DSN 367-5222. In the event of a casualty, ensure the casualty area command is notified.

### G-15. Finance Support

a. Each rotation to NTC must include a finance support team (FST) consisting of a minimum of one 73C20/30 and two 73C10s. The FST will handle all pay inquiries for soldiers deployed to the NTC and print Leave and Earnings Statements/Net Pay Advices.

b. Each FST must coordinate with the Defense Military Pay Office (DMPO) – Fort Irwin at least one month prior to arrival at NTC (DSN 470-3211). The DMPO-Fort Irwin will provide the FST access to the Joint Service Software (JSS) System, electronic mail, telephone, office/work space, and any other liaison assistance necessary. The FST must provide their own paper and printer cartridge.

c. Training units will provide logistical support to the FST (i.e., billeting, rations, transportation).

d. There is no requirement for the FST to operate a cash operation.

e. The DMPO-Fort Irwin does not have cash operations to provide check cashing for soldiers.

### G-16. Public Affairs

a. Responsibilities:

(1) The NTC Public Affairs (PA) Office.

(a) Serves as the overall coordinator for PA activities at the NTC.

(b) Provides assistance to training unit and visiting PAOs within capabilities.

(c) Establishes ground rules for all visiting PAO and media.

(d) Conducts Media on the Battlefield exercises for training units in accordance with guidance from the Office of the Chief for Public Affairs for the Army (OCPA), the Secretary of the Army Public Affairs Proponent Activity (SAPA-PA), and Forces Command Public Affairs Office. The NTC PAO and the Media on the Battlefield Training Officer will evaluate media on the battlefield training and provide written recommendations to improve training for unit PAOs, PADs and rotational unit commanders.

(2) Training unit PAO.

(a) Provide, on site at the NTC, PA personnel to conduct PA activities.

(b) Establish a PA plan for the conduct of PA activities at the NTC.

(c) Conduct command information, media relations, and community relations programs as required while at the NTC.

(d) Respond to PA requirements as coordinated and requested by the NTC PAO.

(e) Designate a PA POC at least 60 days in advance of arriving at the NTC. The PA POC will report to the NTC PAO upon arrival for coordination at Bldg 983.

(f) Unit PAO POC will maintain contact with the NTC PA office throughout the training period.

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### **b. Procedures:**

(1) General. Training unit PAO will function independently in a tactical field environment. The NTC PAO provides limited assistance.

#### **(2) Command information.**

(a) The publication and distribution of unit newspapers, newsletters, etc., during the NTC rotation is encouraged but must be accomplished within training unit resources.

(b) Local procurement for production of unit newspapers, newsletters, etc., is available if the training unit coordinates through the unit's contracting office at least 180 days prior to the rotation dates. The nearest local reproduction facilities are located 40 miles from Fort Irwin and unit transportation is required.

(c) Photographic processing is available at the NTC Training Support Center (TSC). Units desiring to retain negatives must execute a memorandum with home station TSC stating the negatives will be retained in files of the home station TSC.

(d) Local, regional, or national level newspapers are available for purchase by contract if funded by the training unit. Advance coordination with the unit's contracting office is required. Units may use the NTC PA office as a delivery point.

#### **(3) Media relations.**

(a) Media activity will not interfere with the training exercise. Final approval authority of all media visits, whether local, regional, or national rests with the NTC Commander.

(b) All requests for media visits to the NTC will be submitted to Commander, Forces Command, 1777 Hardee Avenue, SW ATTN: AFCS-PAM, Fort McPherson, GA 30330-1062 with information copy provided to FORSCOM, AFOP-OT, and Cdr, NTC, ATTN: AFZJ-PO-MR. Requests must be submitted 60 days (preferably 90-days) prior to the start of training.

(c) The training unit PA representative will escort unit-hosted media. The NTC PA office must provide an orientation and ground rules briefing for all media personnel prior to any activity on the installation.

(d) Unit-hosted media must coordinate briefings and/or orientations on the NTC, instrumentation, OPFOR, O/Cs, etc., with NTC PAO.

(e) Transportation for unit-hosted visits is a unit responsibility. Media personnel accompanying units must maintain a tactical profile and adhere to all field and tactical procedures.

(f) Unit must provide all logistical support for media at the NTC to include sleeping gear, transportation, messing, protective masks, subdued clothing, helmet, etc.

(g) The NTC PAO office will clear all unit-developed external news releases. The NTC PAO will respond to all media inquiries covering accidents/incidents at the NTC. Units will respond to NTC PAO inquiries as rapidly as possible.

#### **(4) Community relations.**

(a) No unit program is normally required beyond efforts to prevent disorderly conduct during transport.

(b) Community relations programs at the NTC are the responsibility of the NTC PAO.

#### **(5) Media on the Battlefield Training.**

##### **(a) The NTC PA Office will:**

1 Provide the training unit PA office an advance packet of information on Media on the Battlefield at least 60 days in advance of training.

2 Provide media personnel (real or role-players) for the rotation.

3 Coordinate with Operations Group for interviews with commanders and soldiers.

4 Provide after action reviews, videotape of the interviews, and articles written about the interview, which will be included in the take home package provided by Operations Group.

(b) The training unit PA will assist the NTC PA office in gathering feedback from unit commander and soldiers to enhance the effectiveness of Media on the Battlefield Training.

##### **(6) Administrative support.**

(a) Visitors may stay at the Landmark Inn at the NTC, (760) 386-4040. Reservations must be made in advance to ensure an adequate number of rooms are available.

(b) The NTC PA office has limited administrative space and support available to training units. The NTC PA office will act as a message center for PA matters, but unit representatives must check in daily.

(c) No administrative transportation or tactical vehicle support is available. Unit PAOs should bring a tactical vehicle with radio to support transportation requirements.

(d) Unit PAOs must coordinate all administrative support requirements with NTC PAO at least 30 days prior to arrival at the NTC.

## **G-17. Police of the Training Area**

a. The rotational unit conducts police of the maneuver area following training to restore the desert to its original condition. Vehicle/soldier fighting positions must be filled, obstacles torn down, POL spills cleaned, and assorted debris removed. Range Control inspectors are available to assist the police effort; however, they do not direct the details. This is a chain of command responsibility. The unit determines the amount of assistance required from

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range inspectors. The range inspectors are contracted personnel and normal work hours are 0800-1630 each day.

b. The police mission is significant in scope. Under normal conditions units can expect to begin on regeneration day 1 and be completed around regeneration day 4 or 5. Work details meet at range control with equipment at 0600 each day and work until 1800. In the past, units that have failed to place proper emphasis on clearance procedures have been delayed in redeployment and incurred unanticipated costs.

c. On C-3 the rotational unit leaders receive a safety briefing at 1300 hours and at 1330 hours the command sergeant major and his representatives receive the rotational police briefing. The briefings are conducted at Range Control (Bldg 6100). The intended audience for the safety brief is officers (LT-MAJ) and senior NCOs (SFC-CSM). The goal is to disseminate information to the lowest level. The intended audience for the rotational police briefing is the CSM and those NCOs that will execute the police mission.

d. Recommended organization and resource requirements:

(1) Maneuver Area Police: (total requirements for 5 details)

	<b><u>Personnel</u></b>
1	brigade NCOIC with 1 assistant EM
5	detail NCOs
25	truck NCOs
10	medic's/combat lifesaver
410	personnel
25	truck drivers
6	HMMWV drivers (1 BDE NCOIC, 5 detail NCO's)
5	S&P drivers
5	HEMTT drivers
3-5	EOD Team
	<b><u>Equipment</u></b>
6 ea	HMMWV with radios
25 ea	Truck, cargo 2.5 ton or 5 ton
5 ea	Truck, S&P (NTC provides)
5 ea	Truck, Cargo 10 ton (HEMTT)
5 ea	Trailer, water 400 gals

(2) Landfill Detail:

	<b><u>Personnel</u></b>
1	NCOIC
20	personnel
	<b><u>Equipment</u></b>
1 ea	Truck, cargo 2.5 ton or 5 ton
1	radio

(3) Class IV Yard detail:

	<b><u>Personnel</u></b>
1	NCOIC
10	personnel
	<b><u>Equipment</u></b>
1 ea	radio
1 ea	Truck, cargo 2.5 ton or 5 ton

(4) Engineer detail:

**Personnel**- determined by unit commander.  
**Equipment**- The following is recommended and contingent upon unit equipment authorizations.

6 ea	ACEs or 3 dozers
6 ea	SEEs
10 ea	Truck, dump 5 ton radios (as required)

(5) Mission Support:

**Personnel**- determined by unit commander.  
**Equipment**

1 ea	Truck, Fuel 10 ton (HEMTT)
1 ea	Truck, wrecker 10 ton (HEMTT)
2 ea	Helicopter

(6) Aviation Range Police Support  
Aviation support is required as part of the Fort Irwin range police effort for units to clear the installation. Units will project flight hours for this mission. The NTC will provide a flight hour estimate to the unit.

### G-18. Resource Management

The Directorate of Resource Management (DRM) - Fort Irwin, Program and Budget Execution Branch, (ATTN: AFZJ-RMB; DSN 470-3298/4024) serves as the overall POC/coordinator for funding support and services provided by the below directorates at Fort Irwin:

- Material Management Center (NTC MMC).
- Acquisition Command for contractual requirements such as local purchase supplies and services.
- Directorate of Information Management (DOIM) for communications support.
- Directorate of Public Works (DPW) for environmental issues and real property.
- NTC G3.

### G-19. Contracting Support

a. Contracting technical support for rotational units will be provided by the Fort Irwin Acquisition Command. Training units should deploy with a contingency contracting officer CCO (a major or captain, functional area 97). This officer will collocate with the DOC and support the purchasing and contracting requirements generated by the rotational unit.

b. The unit contracting officer (CCO) should contact the Fort Irwin Acquisition Command 30 days prior to arrival and should deploy with the advance party. He should remain at Fort Irwin until all rotational unit contracting actions are completed and the unit is cleared from the installation.

c. The unit will not contract any action or purchase that can be executed with a unit commercial credit card. Unit CCO will monitor all unit actions.

**G-20. Spectrum Management**

a. Spectrum Management Division. The National Training Center's Spectrum Management Division (SMD) reports directly to the NTC G3 and National level (Army) Spectrum Management. SMD manages the NTC's frequency assets, develops policy, and establishes procedures and standards for compatible operations and use of the National resources. NTC mails a Signal Operating Procedure (SOP) information packet to the appropriate brigade signal officers 180 days prior to unit arrival. The rotational unit signal officer will submit a requirements list not later than C-90. The Rotation Support Branch-Spectrum Management will provide a draft SOI for review at C-60. Rotational unit signal officers will provide comments NLT C-30. Completed SOIs will be issued to the unit signal officer on C+1 (Issue Day 1). The SOIs will be returned to the Rotation Support Branch-Spectrum Management at C+28.

b. Electromagnetic Compatibility Program. To ensure compatible operations of new systems being integrated or used at the NTC, the electromagnetic compatibility program has been established to protect NTC instrumentation, NASA Goldstone Deepspace tracking and critical NTC communications from harmful interference. Compatibility testing is mandatory and done on a reimbursable basis. Current cost is \$8000, which includes the following.

- (1) Verification of data provided on DD Form 1494 or manufacturers data sheet.
- (2) Measurement of bandwidth for proper assignment.
- (3) NTC instrumentation compatibility test.
- (4) NASA Goldstone compatibility analysis.
- (5) Processing and coordinating experimental frequencies.

c. NTC SMD Responsibilities.

- (1) Manage the NTC's electromagnetic compatibility program.
- (2) Analyze proposals for new Radio Frequency (RF) emitting devices or systems for supportability and impact to current users at the NTC.
- (3) Evaluate, approve/disapprove, and coordinate all spectrum issues (frequency, electronic attack, and chaff) with local level Government agencies.
- (4) Assist rotational training units with planning, preparation of Signal Operating Instructions (SOI), and Electronic Warfare lists.
- (5) Provide units with frequency resources, except those that require coordination with FAA, FCC, and National level agencies, at least 100 days

before the start of the rotation. Frequency resources, which require additional coordination, will be provided to the rotational unit as they are assigned by outside agencies.

d. Rotational Unit Responsibilities.

(1) Submit a list of emitters planned for usage to SMD at least 120 days prior to the start of the rotation.

(2) Request frequencies for approved equipment, using the SFAF format, at least 115 days prior to the start of the rotation.

(3) Coordinate with SMD for testing of new systems at least 120 days prior to the date the equipment is required for use.

(4) Provide funds to NTC G3 for testing of new equipment prior to test date.

(5) Ensure units use only assigned frequencies, bandwidth and modulation.

(6) Ensure emitters are not exceeding the assigned power output.

(7) Ensure units observe accepted communications practices and procedures.

(8) Ensure units do not bring an RF emitting equipment to the NTC without prior approval from FORSCOM and NTC SMD.

(9) Ensure all classified material is transmitted and handled in an appropriate manner.

e. Special Requests. These requests include Electronic Attack (EA) frequencies that require special coordination and operate under agreements among federal agencies, especially the FCC. Units must submit these requests to SMD in accordance with the above timeline.

f. Special Information. Additional information is required for radar, Identification-Friend or Foe (IFF), chaff, navigational equipment, space systems, and electronic warfare emitters. See the SFAF and contact SMD for assistance on the particular technical data required for this equipment.

g. Information Required. Each equipment type (jammers, radar, navigation aids, telemetry, etc.) has its own characteristics and parameters. The information is listed on the SFAF. For assistance in completing the form, contact NTC SMD.

h. NTC Spectrum Management Division can be reached at the following phone numbers. The DSN prefix is 470. The commercial area code and prefix is (760) 380-.

- Frequency Management 3280
- Rotational Communication Coordination and Signal Operating Instructions 3043
- Engineer, Analysis & Testing 4898/3312
- Radio Frequency Interference 3281

## **APPENDIX H**

### ***Logistics Operations***

#### **H-1. General**

a. The NTC will provide logistical support to training units *IAW NTC External Logistics SOP*. Units will deploy with combat service support (CSS) and Division Support Command (DISCOM) units will support LFT and FFT.

b. Training unit and support slice will use their home station Unit Identification Code (UIC), DODAACs and home station assigned Account Processing Code (APC) to order parts at the NTC. These Exercise DODAACs will be used only at the NTC for Unit Level Logistics System – Ground (ULLS-G) and Standard Army Maintenance System (SAMS) transactions. The rotational unit will use the Exercise DODAACs with home station APCs to order Class IX parts for both home station and prepo fleet equipment. The lead training unit will coordinate this action with all supporting units.

(1) Units coordinate with their local DODAAC coordinator for an Exercise DODAAC through the Logistics Support Activity (LOGSA). The second line on each rotation exercise DODAAC will contain the NTC rotation number, i.e., 02 06. The unit will provide the Exercise DODAACs to NTC MMC NLT 45 days prior to deployment.

(2) The Exercise DODAAC may be retained in the NTC supply and financial systems for a maximum of 150 days. Units are not authorized to requisition on the Exercise DODAACs after the completion of training. Requisitions that have not been filled will be cancelled on the third day of regeneration except for certain dedicated customer approved documents.

(3) Upon completion of training and no longer than 150 days, the unit/Army Network Station POC (installation) will request the Exercise DODAAC Requisitioning Authority (RAC) be changed to non-requisitioning. The DODAACs will remain dormant at the NTC until the next rotation.

(4) When the installation has another NTC rotation, the unit/Army Network Station POC (installation) will revise the UIC/APC on the doormat Exercise DODAAC to the current rotating unit and change the RAC back to requisitioning. The DODAACs are easy to capture since they will always remain on file with the home station Fiscal Station Number.

(5) Army National Guard (ARNG) units will use existing RED DODAACs that remain at the NTC. The ARNG will change the UIC and billing address on the required DODAACs and change the

RAC to requisitioning. The next ARNG rotation will change the UICs, Fiscal Station Number, and RAC back to requisitioning.

c. The NTC MMC will notify AMC LAO and DLA Customer Service representative of anticipated part/supply concerns prior to the rotation.

d. Excess. Rotational units will turn in excess or recoverable (serviceable and unserviceable) to the ASL where initially issued.

e. The aviation maintenance organization accompanying the training unit must bring appropriate aviation unit maintenance (AVUM)/aviation intermediate maintenance (AVIM) repair parts, packaged POL, and required unit equipment.

f. Track. Rotational units may elect not to replace unserviceable, repairable track during their rotation and replace it at home station.

g. The DISCOM personnel will pick up all bulk rations, supplies, and equipment from appropriate NTC facilities and move them to the rotation brigade's FSB for further distribution IAW unit SOPs.

h. Any repair part that arrives at the NTC on a rotation units dedicated document numbered shipment after the unit has departed the NTC (cancellation request not honored) will be transhipped to the unit by the NTC.

i. Wholesale stockage. The AMC and DLA will be requested to stock sufficient parts in the NTC ASL, Barstow and/or San Joaquin to support a 90 percent OR of rotational and prepo equipment.

#### **H-2. Class I**

a. The NTC Troop Issue Subsistence Activity (TISA) operates under the Army Field Feeding System (AFFS) for all rotational units. The TISA provides subsistence based upon the planned feeding cycle and projected strength forwarded by the rotational unit to the TISA 90 days prior to their arrival. The training unit must verify the headcount telephonically by D-30.

b. Logistical planners should complete requirements identified in AR 30-21, The Army Field Feeding System (AFFS), **Appendix B**, and paragraph B-2 and B-3. Planners should balance the use of both UGR-rations and MREs during field training.

c. The NTC TISA requisitions, receives, and issues field-training rations in established cycle sequence. The planned feeding cycle/ration mix (by

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meal, by day) cannot be changed, primarily due to subsistence supply constraints.

d. The NTC TISA External SOP outlines responsibilities, policies and procedures. The TISA office may be reached at DSN 470-3998/4763.

### **H-3. Class II**

a. Limited Class II Common Table of Allowance (CTA) 50-900 will be available for DX on an emergency basis to meet safety, health, and welfare requirements. Decision authority for determining valid emergencies is the NTC MMC Commander.

b. Rotational units should bring five percent overage of their OCIE items based on rotation troop density, including FLAK vests.

c. The Clothing Sales Store can provide limited items and is available to training units.

d. The SSSC type items will be provided through GSA drop shipment program. Units must establish an account at GSA and order their requirements 90 days prior to their rotation (DSN 466-7234 or commercial 1-800-229-4129).

### **H-4. Class III**

The NTC operates a bulk POL facility at Bldg 7701, located on Ammo Supply Point Road, and a retail facility at Bldg 950, located at the corner of Langford Lake Road and South Loop Road, and a bulk JP-8 Point Bldg 6002, at Bike Lake Army Airfield. Rotational units will submit forecasts for Class III(B) to MMC Supply Division NLT D-60 to ensure adequate deliveries can be coordinated with DESC. Class III(B) will be requisitioned by the rotational unit from the ISSA using automated or hardcopy DA 2765-1s. Units will provide a forecast of additional Class III(B) to the MMC Supply Division NLT D-60 if they want to be sure adequate quantities are on hand at the HAZMART. Bulk and packaged petroleum oil and lubricants (POL) will be ordered by the rotating unit using their home station DODAAC and APC. Listing of Class III products that will be brought from home station will be provided to Supply Division at the same time the push package is forecasted. This list will be reviewed by the Directorate of Public Works (DPW), Environmental Division to ensure that the training unit is in compliance with California and OSHA requirements on unauthorized Class III (B) products not approved for use in the State of California.

### **H-5. Class IV**

The ISSA will issue barrier material requisitioned by the rotational unit with DA 2765-1 using a home station DODAAC and APC. The items will be issued as a stock loan. At the completion of the rotation, the unit will reconfigure the Class IV and close their

account no later than R+4. Units will not be charged for items returned to the ISSA in serviceable, depot-configured condition. Units will only be charged for damaged or missing items. Items required by the rotational unit that are not stocked by the ISSA must be brought from home station. A stockage listing can be obtained from the NTC MMC, Supply Division.

### **H-6. Class V**

a. The NTC ASP will requisition, receive, store, and issue all Class V conventional ammunition for rotational brigades based on DA Pam 350-38 rotation-specific ammunition authorizations.

b. Training units will submit a valid DA Form 1687, Notice of Delegation of Authority - Receipt for Supplies, to the ASP 72 hours before the issue of any ammunition.

c. Three separate DA Form 581, Request For Issue And Turn-In Of Ammunition must be prepared to draw the NTC ammunition package. One is for force-on-force ammunition, one is for live-fire ammunition and one is for system screening or zero. Rotational ammunition is pre-selected and drawn in one draw. The DA Form 581s must be sent to the Commander, National Training Center and Fort Irwin, ATTN: AFZJ-PTC, Fort Irwin, CA 92310-5102 at least 120-days prior to the training dates. Units will provide all personnel to load and block ammunition on the using unit's vehicles. Rotational units will provide at least 20 personnel and one SSG or above to process the issue and turn-in of ammunition (new and unused).

d. Units will draw their entire Class V supply prior to the start of training and establish a field ammunition supply point (FASP) to support the exercise. The division/brigade ammunition officer or warrant officer will supervise this activity. All ammunition, simulators, and replicated ammunition will be transported and handled as if it was the actual round or missile after it has entered the FASP, shipped to the ATP, and when issued to the using unit at the FASP or ATP, (i.e., cube/weights applies to all forms of paper ammunition and simulators). The STAMIS SAAS-MOD will be used for processing all transactions between DAO FASP and ATP. The NTC observer/controllers (OCs) will monitor use of SAAS-MOD as required. Supporting CMMC will deploy to the NTC one ammunition manager and SAAS-MOD system to interface between the DAO and the FASP.

e. Units will draw the M20 practice mines (K230/K231) and practice hand grenades (G811) from the ASP using DA Form 581. Rotational units will be charged for all dummy, drill, and inert (DDI) items not returned to the ASP. (DA Form 5811-R Lost or Damaged Class V Ammunition Items,

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initiated by units for purpose of residue shortages will be signed by the first O-5 [LTC] in the unit chain of command).

f. Rotational training ammunition is furnished by the NTC IAW DA PAM 350-38. Additional ammunition desired for use during rotation must be forecasted 120 days in advance to ensure sufficient supply is available. Expenditures above NTC provided authorizations will be charged against the home station account. The rotational training ammunition packet is sent to division G3s at the beginning of the fiscal year and updated in the 180-Day Rotational Packet. The heavy brigade for heavy/light rotations must furnish ammunition information to their associated light unit.

g. Dragon and Stinger missiles must be forecasted/ordered from AMCOM 120 days in advance by the training unit and drop shipped to the NTC ASP prior to training dates. These items must be requested on a separate DA Form 581 through Commander, National Training Center and Fort Irwin, ATTN: AFZJ-PTT, Fort Irwin, CA 92310-5000. These items are charged to the unit's home station training ammunition authorization account.

h. Additional requirements for TOW missiles must be ordered from AMCOM by the training unit and drop shipped to the NTC ASP in the same manner as Dragon missiles. These are also charged to the unit's home station training ammunition authorization account.

i. Training ammunition will not be shipped to the NTC (except missiles). Forecast ammunition 120 days in advance so that the Fort Irwin ASP will have sufficient time to order and receive it.

j. Units desiring to train before/after rotation must have an approved range request, and training ammunition must be forecasted 120 days prior to the requested training dates. A separate DA Form 581, with the unit's UIC will be necessary. This ammunition is charged to the unit's home station training ammunition authorization account.

k. Coordination between the rotational unit and NTC G3, Training Support Division must be done by the installation G3/Training Ammunition Manager utilizing TAMIS (VIP 067).

l. The NTC QASAS personnel are the only individuals at the ASP authorized to make the determination that damage to live ammunition is from other than fair wear and tear (FWT).

m. Additional information may be found in NTC Regulation 700-4, Ammunition and Material Management Center Ammunition External standing Operating Procedure and Handbook.

### **H-7. Class VI**

Limited Post Exchange (PX), health, and welfare items are available at the issue and regeneration area at unit request through the PX manager's office. Training unit personnel may use NTC facilities.

### **H-8. Class VII**

a. The NTC's Logistics Support Services Contractors will issue Class VII combat and tactical items from the Prepositioned Fleet. Rotational units will deploy only serviceable equipment to the NTC.

b. Ancillary equipment. Rotational units will bring all BII, weapons, and communications equipment for their home station equipment. On an exception basis, and coordinated in advance with the NTC MMC, the NTC may furnish selected BII, weapons and communications equipment (i.e. M2 .50 caliber ILO MK19).

c. Team Abrams. General Dynamics Team Abrams Partnership (TAP) support may be used but must be coordinated in advance. Rotational units will use Exercise DODAACs and home station APCs. Items received from TAP will be taken to home station for retrograde turn-in unless, a) fixed on a repair and return basis or b) coordinated on a case-by-case basis with the NTC MMC SPO/XO.

d. Home station equipment that becomes damaged beyond repair and the training units determine not to return it to home station may be turned in to DRMO. Changes can be expected based on a case-by-case basis.

### **H-9. Class VIII**

Units will deploy with 15-30 days of medical and dental supplies. Units will deploy with all authorized Medical Equipment Sets (MES) to include the U.S. Army Readiness (USARRED) Drug Set IAW FORSCOM Regulation 700-2. A one-time issue of expendable medical supplies will be issued to the training unit. Units must coordinate with NTC Installation Medical Supply Office (IMSO) 90 days prior to rotation. Note: "R" and "Q" items (controlled substances) will not be available. Only emergency supply requisitions that have been approved by a physician or physician's assistant will be processed by IMSO. Units must coordinate any additional support requirements 90 days in advance of deployment with the NTC Medical Activity (MEDDAC) and Dental Activity (DENTAC) commanders. Normally, only emergency supply requisitions will be approved.

### **H-10. Class IX**

a. Prescribed Load List (PLL):

(1) Training units will draw PLL from the NTC logistics support services contractor (Building 808).

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Unit PLLs are uploaded in PLL containers with bulk items stacked loose on a pallet.

(2) NTC will furnish a reconfigured ULLS systems for each PLL listed.

(3) Rotational units must arrive at the NTC with a copy of home station ULLS EDF for the equipment brought and input this data into the NTC provided ULLS.

(4) Rotational units may bring, with prior coordination, with the NTC MMC SPO/XO, system peculiar repair parts, spares and containers for home station equipment. Home station PLL repair parts accountability must be maintained manually for the repair parts incorporated into the rotational unit's SAMS shop supply until returned to home station.

(5) Equipment mileage/usage for AMSS reporting. Rotational units will use standard ULLS procedures to record miles/usage data on home station equipment in the NTC furnished ULLS systems. At the end of the rotation, rotational units will extract necessary usage data from ULLS for home station equipment and transfer this data into home station ULLS upon return to home station.

(6) The MMC Class IX SPO will be responsible for loading these rotational unit Exercise DODAACs into SARSS2A/C, which will hold up to 35-40 training DODAACs per rotation.

(7) The unit home station DODAACs will be used to order supplies less Class IX. All requisitions using these DODAACs will be coded as FILL or KILL.

### **b. Forward Authorized Stockage List (ASL):**

(1) The NTC CSB will issue ASL loaded semi-trailer vans. Rotation unit accountable officer will inventory the ASL when signing for and turning in at the NTC.

(2) The rotational unit must bring or draw prime movers (5-Ton tractor trucks). Rotational units must provide a minimum of five semi-trailers and prime movers to transport bulk ASL and bulk Repairable Exchange Activity (RXA) items that are part of the forward ASL. Additional truck assets are required in order to move unique ASL repair parts brought from home station.

(3) SARSS-1. The NTC will furnish a reconfigured SARSS-1. The SARSS-1 will use a NTC provided DODAAC/APC, Ron/Don will be turned-off. The rotational unit must ensure that all referral/retrograde in the SARSS-1 systems is clear at the time of issue and turn-in.

(4) Rotational units will coordinate 30 days in advance with the NTC MMC SPO if planning to bring any additional home station items to be incorporated in the forward ASL. Upon approval, these lines will be recorded as "Z" lines (NSL) with retention levels and will not be replenished.

(5) Rotational unit forward SARSS ASL will be set as "fill or pass."

(6) Lateral distribution (Referral). Lateral distribution (referral) from the SARSS-1 "A" DSU to the rotational SARSS-1 ASL will be made if the part is on-hand.

c. Visibility of NTC ASL Stockage. NTC will provide rotational units visibility of items normally stocked in main, forward and installation ASL.

d. Repairable. Rotational units will provide the NTC MMC a listing of repairable brought from home station for use during issue/turn-in of the forward ASL. This list must be provided NLT D-30 days.

### **e. Recoverable:**

(1) Home station equipment. Serviceable recoverable brought from home station and not consumed will be returned to home station. Unserviceable recoverable removed from home station equipment will be returned to home station unless matched with the issue of a like item from the NTC.

(2) ORIL. The ORIL will be cleared or payment resolved prior to the rotational unit's departure from the NTC.

f. The last day rotational units can order parts for home station equipment is the first Monday of regeneration week.

(1) Any requisition ordered on the last day (Monday of regeneration week one) for home station equipment that does not get a Material Release Order within 36 hours will be cancelled (submit AC1) NLT 1200 hours Wednesday of regeneration week one.

(2) Any requisition for home station equipment receiving an Estimated Ship Date later than Thursday of regeneration week one will be cancelled (submit AC1) NLT 1200 hours Wednesday of regeneration week one.

g. The aviation maintenance organization accompanying the training unit must bring appropriate aviation unit maintenance (AVUM)/aviation intermediate maintenance (AVIM) repair parts, packaged POL, and required unit equipment.

h. Rotational units coordinate logistical support with the NTC staff and the Operations Group Logistics Training Team (Gold miners) and observe an equipment issue during their Leader Training Program (LTP) prior to the rotation.

### **i. Batteries:**

(1) Communications-Electronics (C-E) Rechargeable Batteries. All rotational units that use more than 12 C-E primary batteries per rotation will bring their own C-E rechargeable batteries, adapters, and battery chargers. These C-E rechargeable batteries will not be used as the power source for MILES. Additionally, each unit will ensure all necessary equipment requirements are met, 3KW



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generator or AC power source, battery chargers, multi-station adapters, and plastic crates used to transport rechargeable batteries. The NTC only stocks limited quantities of primary C-E batteries.

(2) Vehicular Batteries. The NTC is enrolled in the Defense Logistics Agency (DLA) Vehicular Battery Consignment Program. The NTC battery shop will receive wet and charged vehicular batteries from the DLA contractor. Units will use their Exercise DODAAC and home station APC to requisition replacement batteries while at the NTC.

### **H-11. Movement/Transportation**

a. Units will conduct movements IAW current FORSCOM regulations and follow guidance in the NTC Movement Control Center (MCC) SOP included in the pre-deployment package. Units must submit requests for deviation from the NTC MCC SOP 90-days in advance of deployment. Final coordination for transportation deployment will be done NLT 14-days prior to unit deployment to the NTC.

b. Units will coordinate all surface moves requiring commercial carriers (e.g., buses to/from the NTC, truck and rail moves) with the Installation Transportation Officer (ITO), Materiel Movement Section, Bldg 565 and the MCC Surface section. Units will notify the NTC ITO when equipment is due to arrive by commercial motor carriers with the date of departure and give an estimated date of arrival. Training unit representatives will be present to sign for the equipment upon its arrival at the NTC. After duty hours contact the MCC at DSN 470-4977, commercial (760) 380-4977 (this number will only be manned during deployment and redeployment) or the NTC Emergency Operations Center (EOC at DSN 470-3750/5373 or COMM (760) 380-3750/5373).

c. A limited number of Transportation Motor Pool (TMP) vehicles are available at the NTC. Fully justified requirements for TMP vehicles will be submitted to the NTC ITO at least 90-days before date of intended use. An administrative vehicle package will be provided to the unit on arrival. Details on the package are included in the NTC Cape Irwin Battle Book.

d. Unless contracted for commercial haul, tracked vehicles are driven cross-country from the Manix railhead to the NTC (approximately 27 miles). The Manix Spur is no longer used for any type of rail operations.

e. Wheeled vehicles shipped by rail will be unloaded at the MCLB, Yermo Annex, and driven to the NTC via the Manix tank trail. Training unit S4s must coordinate 30 days prior to deployment with the MCC Surface Section at DSN 470-4977 for any

oversize/overweight wheeled vehicle moves that will require permits.

f. Immediately upon arrival of the advanced party at the NTC, copies of unit movement orders and emergency travel authorization must be hand carried to the Personal Property Section, Bldg 312. The lead transportation assistant will brief procedures for emergency travel. After duty hours, orders can be taken to the EOC, bldg 237, Post Headquarters.

g. The primary airhead for the NTC is Southern California Logistics Airport (SCLA). Military and commercial airflow for unit deployment/redeployment must be confirmed with the Air Section (MCC, DSN 470-4977) 30-days prior to air deployment and at D-5 for redeployment.

h. Soldiers who must remain overnight must be on TDY orders.

i. Use of Manix/I-15 underpass by military vehicles and equipment.

(1) The Manix/I-15 underpass is the only authorized passage point/route for all oversized/overweight vehicles moving on the desert trail between the NTC and the MCLB, Yermo Railhead.

(2) An MCC representative must be present for any move under the underpass. This is a California Department of Transportation requirement that, if not met, could jeopardize use of the underpass for oversized/overweight vehicles and result in increased movement costs, (e.g., commercial transport).

(3) Only one vehicle is authorized passage at any time and maximum speed is 5 miles per hour.

(4) Vehicles will utilize only that portion of the underpass marked as an authorized passage point.

(5) Each vehicle must be ground guided through the underpasses (eastbound and westbound lanes).

(6) The using unit must post a control vehicle with a senior NCO or officer at the entrance and exit to the underpasses when transiting.

(7) The underpass area will not be used during the hours of darkness unless the unit provides lighting as coordinated with the MCC Rail Section.

(8) The MCC is the control authority for releasing convoys moving in both directions between Fort Irwin and the MCLB, Yermo or SCLA.

j. Training units deploying to the NTC by all modes of transportation must adhere to certain inspection procedures prior to loading and unloading equipment. Documentation must be accurate and timely in order to process any damage claim. The NTC Transportation Office, DSN 470-3830/3829/3828, will provide inspection forms.

k. The NTC has no material handling equipment (MHE) available for rotational units to off-load their containers (MILVANs/CONEXs) that

come in without chassis. Prior coordination for shipping containers must be made as follows:

(1) Unit representative(s) must be at the NTC to accept the shipment.

(2) Unit must provide MHE.

(3) If prior coordination with ITO has not been made, containers without chassis either will be returned to home station or the unit will be directed to unload the contents of their containers at the railhead if the shipment arrives by commercial rail.

(4) Shipping containers from home station will be randomly inspected by DPW, Environmental representatives for unauthorized hazardous material once downloaded at the Rotational Unit Bivouac Area (RUBA, dust bowl). The MCC, Surface Section will select which shipping containers are inspected. The rotational unit will provide a detail to assist in opening the shipping containers to be inspected by the environmental representatives.

#### **H-12. Maintenance**

a. Home station and prepo equipment will be maintained IAW the Army Maintenance standards. This is TM –10/-20 for home station equipment and FMC for prepo equipment IAW NTC overprinted DA Form 2404.

b. Prepo equipment:

(1) Training unit soldiers will perform operator, organizational, and Direct Support (DS) maintenance on equipment drawn from the NTC prepositioned fleet. Units will return equipment with all deficiencies and shortcomings, through DS level, corrected. The Commander, NTC Theater Support Command, is the approval authority for accepting equipment that is not repaired. Units will not depart NTC and Fort Irwin without clearing the Commander, Theater Support Command and HQ, NTC G3 offices. Units will draw and submit oil samples and complete recommendations resulting from oil analysis on equipment drawn from the NTC.

(2) Stay-behind maintenance personnel, to include crews, maintenance, and supply support will remain at NTC until all issued equipment is returned to the NTC's LSS Contractor in FMC condition. It is recommended that units deploy with 100% fill on maintenance MOSs to expedite equipment regeneration and redeployment timelines. Deploying with less than full maintenance personnel positions will cause rotational maintenance issues and long delays in the regeneration process for the prepositioned fleet. Rotational units must coordinate life support for all stay behind personnel. Redeployment line haul must be coordinated for all equipment needed to complete the regeneration mission, (i.e. special tools, shop sets, etc.).

(3) Medical maintenance support will not be provided to the training unit, except in emergencies.

c. Home station equipment:

(1) Equipment must deploy to the NTC in a Technical Manual (TM) –10/-20 conditions, no faults and all services current. Rotational units may bring system particular repair parts, spares and containers for home station equipment.

(2) Standard Army Maintenance System (SAMS):

(a) The Class IX Exercise DODAACs and home station APCs will be used to order Class IX repair parts for both home station and prepo equipment.

(b) The NTC does not provide shop stock for rotational DS units. Units must bring this stockage from home station.

(c) Rotational units may load repair parts brought from home station in the SAMS Shop Supply.

(d) Rotational units will extract necessary maintenance management information from NTC SAMS to capture not mission capable supply (NMCS) faults for home station equipment prior to purging home station equipment data from NTC SAMS.

#### **H-13. Water Points**

a. Bulk water is located at the forward water supply point, vicinity NK 312041.

b. Units must chlorinate water obtained from sources other than the forward water supply point IAW FM 21-20.

#### **H-14. MILES Equipment and Maintenance Support**

a. The NTC will provide individual MILES equipment only for the troop list units at **Appendices A and F**. Units must come to the NTC with Velcro already affixed to combat vehicle crewman helmets IAW the MILES manual. Blank firing adapters for individual weapons (M16 rifles and machine guns) will not be provided by NTC. All personnel participating as part of the rotation unit (including civilians such as LAO, Red Cross Rep, etc.) will wear individual MILES. The G3 TSD/Operations Group (DSN 470-5092) will determine whether units provide MILES sets from home station. Units will not bring any MILES in addition to that coordinated with the NTC. The NTC G3 TSD/Operations Group and home station Training Support Center (TSC) for the rotating unit will coordinate additional MILES requirements. Requirements beyond home station TSC capabilities will be identified to FORSCOM DCSOPS Home Station Training Branch. Forward MILES request through channels to Commander,

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Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRS, Fort McPherson, GA 30330 1062, by C-90. Aviation units must bring controller green keys from home station or coordinate the issue of green keys with the DCS.

b. Training units will submit a valid DA Form 1687 (Notice of Delegation of Authority, Receipt for Supplies) to the MILES warehouse 72 hours before issue of MILES (C+4).

c. The NTC will issue tracked vehicles with vehicular MILES already installed.

d. The NTC will provide and install MILES equipment only on the home station tracked vehicles required to participate in training. Home station tracked vehicles must come to the NTC with Velcro already installed IAW the MILES manual. Mobile Independent Target System (MITS) will be requested and provided for installation on individual fighting positions.

e. The O/Cs will coordinate for MILES contact team support for training units. The MILES contact team will troubleshoot and replace unserviceable MILES components during training. The NTC will provide additional contact teams for light units. At the discretion of the training unit commanders, home station MILES warehouse and maintenance support personnel may accompany the unit to the NTC.

f. Air Ground Engagement System (AGES II - PROTOTYPE) and ADA MILES equipment has been fielded at the NTC (less Linebacker). All rotary wing aircraft operating forward of the brigade rear boundary will be equipped with a fully functional MILES system. Air Ground Engagement System (AGES) and Air Defense MILES equipment is available for use at the NTC. Army Aviation units must bring aircraft support equipment from home station. All fixed wing aircraft are equipped with an AIS POD, which allows tracking but currently does not allow ground-to-air or air-to-ground engagements. Ground-to-air and air-to-ground engagements involving fixed wing aircraft are adjudicated IAW NTC ROE.

g. The HMMWV family of vehicles armed with primary weapons systems (e.g., TOW, MKI9, etc.) will be outfitted with either M113 MILES kits or, when available, MITS.

### **H-15. Training Support Center Services**

a. Training units can establish temporary accounts, only for the specific support service listed below, by providing a DA Form 1687 to the Training Support Division, bldg 496.

b. The TSC support available for rotational training units:

(1) Loan of training devices: Training Mine Concrete NTC DVC 0207 and Detector Unit

Chemical Agent Automatic Alarm for use with M43A1 Chemical Agent Detector, Volcano Reloads DVC 05-0230, MICLIC NTC DVC 0222, Bangalore Torpedo Kit NTC DVC 0013, Cratering Charge NTC DVC 0175, 15 Lbs Shape Charge NTC DVC 0174, 40 Lbs Shape Charge NTC DVC 0173, TNT/C4 Block NTC DVC 0151, Demo Items NTC DVC 0176, Terrain Mortars NTC DVC 0185.

(2) GTA issues.

(3) Other TSC services coordinated and approved by the NTC Training Support Division, DSN 470-3882.

c. Weighted Training Mines (Training Mine Concrete NTC DVC 0207).

(1) Unit will request issue NLT 24 hours prior to pickup.

(2) Unit will provide a five-man detail to assist in inspection and uploading of the weighted training mine on the day of issue. The mines with accessories are packaged 4 to a box, weigh approximately 55 pounds per box and are palletized to expedite issue. Units will provide all transportation required to draw the training mines. The issue of 5,000 mines can be completed in 4 to 6 hours.

(3) The unit will provide a 15-man detail to inspect and account for mines following training. Damaged and lost mines will be surveyed. Turn-in of 5,000 mines can be completed in 8 to 16 hours.

d. Unit requests for non-routine training items, such as the mock ammunition basic loads, should be submitted to TSC by C-45.

(1) Unit will request issue NLT 24 hours prior to pickup.

(2) Unit will provide five-man detail to assist in inspection and uploading of basic load. The majority of the items are loaded on banded pallets. Units will provide all transportation required to draw the basic load.

(3) The unit will provide a ten-man detail to inspect and repair the basic load following training. Damaged items not repaired by the unit will be surveyed. Turn-in of ammunition basic load containers can be completed in 16 - 24 hours.

### **H-16. End of Rotation, Unit Responsibilities**

a. Actions:

(1) Ensure dedicated request(s) are submitted to home station SMMC for all parts still required

(2) PLL clerks will ensure "posts-posts" are entered on home station ULLS for dedicated requests through their home station DMMC.

(3) SAMS-1 operators should generate required maintenance management documents to capture NMC faults for home station equipment prior to purging home station equipment data from NTC SAMS-1.

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b. The NTC will capture and allocate cost sharing using the NTC Rotational Billing System (RBS). The RBS is programmed to capture supply transactions to facilitate the efficient collection of expenditures and provide an accurate cost accounting within self-contained system. RBS is designed to automatically retrieve supply transactions from each Direct Support Unit (DSU) every 2 hours. Rotation units will have access to NTC's financial Installation Supply Buffer (ISB) with read only capability.

(1) The rotational unit will:

(a) Process each A0A and maintain accountability.

(b) Process each A5A, maintain signature MROs for DA 2765-1 and turn-in documents.

(c) Process each D6A and maintain record of turn-in.

(d) Ensure A5A with MRO as a result of D6A (retrograde) is processed at the Main RIC support DSU for proper credit and processing of the D6K.

(e) Ensure that any unwarranted request and/or back-order are requested to be cancelled (AC1) and recorded in SARSS-1.

(2) The RBS is programmed to retrieve the following:

(a) AOA Requisition.

(b) A5A MRO from normal issue (I).

(c) A5A MRO from excess (E).

(d) A5A MRO from referral.

(e) D6S Material receipt from wholesale (dedicated).

(f) AR0 Material release confirmation.

(g) AC1 Cancellation request.

(h) AE1 Status processing with a 'BQ.'

(i) A6A Material release denials.

(j) ATA Follow-up.

(3) When RBS bill on A0\_, the system will use the same proration and recoverable logic as the A5\_.

(4) For dedicated customer transactions, RBS will negate a charge if rejection or cancellation status is received (when the customer document is back-ordered by SARSS-1 and the customer submits an AC1).

(a) The rotational unit Class IX item manager will verify A0As in the Management Review File (MRF) at the SARSS-2 A/D box, pending release to wholesale to ensure that the requirement is warranted, and that the back-order release from wholesale will arrive at the NTC in sufficient time to make the necessary installation of parts to any piece of equipment.

(b) The rotational unit will ensure a timely trans-in and trans-out to effectively produce supply transactions so that the RBS can retrieve all transactions and provide an up dated activity report.

(c) SARSS-1 provides AE1 with a 'BQ' to customer; RBS monitors for SSA (AC1) from close out.

(d) If no AC1 is produced, RBS will negate the A0\_ charge for the AE1 'BQ' quantity.

(e) If no AC1 is produced from SARSS-1, the RBS stores the SSA AC1 document number in the database associated to the customer A0\_.

(f) RBS will pull wholesale status from the F09 transactions and search for AE1 statuses matching the SSA document number. If AE1 with a cancellation 'BQ' or other cancellation status is received, RBS will negate the A0\_ charge.

(g) When reports for a rotation are produced, the RBS will have a transaction in suspense awaiting cancellation confirmation from wholesale.

(5) The RBS is programmed to capture A5A and D6A with the same document number and with a different SSA. This will prevent the same document, known as a duplicate, from being charged and credited twice.

(a) When a "duplicate" document number is processed with a different DSU RIC, RBS will charge the unit for each transaction.

(b) Credits will be granted based on the quantity of issues for that particular stock number. No credit is given for excess turn-ins.

(c) The rotational units must process D6As promptly. A 10% credit deduction will be assessed for every ten days that reparable/recoverable due-ins is not cleared.

(6) RBS is programmed to accept data from satellite locations.

(a) Transportation Division.

(b) Movement Control.

(c) Railhead Support.

(d) Material Sections (MMC) Missing and Damaged Items.

(e) Local Purchase.

(f) Tire Shop.

(g) Direct and Organizational Support Deadline Equipment.

(h) Track and Wheel.

(i) ULLS-G PLL.

(j) Miscellaneous.

(7) The rotational unit comptroller or authorized personnel will be required to update and validate the Government Bills of Lading (GBLs), Commercial Bills of Lading (CBLs), or any other means of transporting equipment, NLT Training Day 1, to the NTC with the RBS section of the NTC, Material Management Center (MCC) to accurately create a Grid for Proration.

(8) The comptroller and Class IX accountable officer are required to stay at the end of the rotation

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until the bill with RBS is reconciled and all supply transaction matters are resolved.

(9) Unit must raise issues relating to the billing process with the NTC, MMC Execution Officer before the rotational unit comptroller departs the NTC. Any issues not resolved prior to the unit's receipt of the final bill must be submitted in memorandum format to the Commander, MMC for final decision. For those issues arbitrated to a decision not acceptable to the rotation unit, FORSCOM will issue final and binding arbitration.

(10) The rotational unit will be charged for services rendered and supply items issued. Due to the nature of training exercises, unforeseen situations can be expected. This is not intended to be all-inclusive, but it does identify 'typical expenses' for each rotation.

(11) The NTC will exclude the penalty for no prorated recoverable turn-ins and recoverable turn-ins with "no value" from the billing process.

(12) The result to the rotational unit for not clearing ORIL for prorated items will be the full AMDF price.

(13) A5 issues with no confirmed evidence of issue (signed MRO or SARSS shipping list) will be directly reimbursed through the financial system by the NTC.

(14) The NTC's ASL is not "get well" inventories for home station stockages. Repair parts will not be purchased at the NTC and transported to home station.

**APPENDIX I**

***Unit Planning and Training Sequence***

Planning milestones (planning days) are based on standard deployment terminology. The D-day notes and comments are for generic planning and resourcing needs only. Please see the NTC Orientation Briefing Schedule (OBS) for the specific rotational meeting schedule and other events. See **Figure I-1** for troop list submission cycle.

**D - DAY** is the day which deployment begins. For the purposes of NTC rotations, this is the rotation inclusive start date.

**TD 1** is the day the rotational unit deploys to the box.

**R - DAY** is the day rotational unit commences regeneration.

**Time            Event**

**D-360** - Initial NTC preparation begins AC units. For NGB enhanced Separate Brigades (ESBs), the initial coordination begins at D-2 years.

**D-270** - The NTC provides seasonal safety hazard information.  
 - The NTC provides RC training unit with a pre-deployment package containing NTC regulations, SOPs, memorandums of instruction (MOIs), etc. (Para G-1).  
 - The Unit begins drafting and coordination of Troop list and Mission Request Letter as defined in Chapter 3. (Brigade/regiment training objectives, METL, critical tasks, proposed task)

**D-210** - Corps provides proposed Unit Troop list, troop list exceptions, training objectives and Mission Request Letter with Corps cover letter as defined in Chapter 3 due to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 and information copy to HQ NTC G3; IAW Para 2-6, Chapter 3 and A-1. (Brigade/regiment training objectives, METL, critical tasks, proposed tasks)

**D-200** - Division endorsed troop list submitted to parent Corps

**D-180** - Crew-served weapons qualifications (Para 1-5).

- Tank crew/platoon qualification (Para 1-5).
- Unit coordinates local procurement for production of unit newspaper, newsletter, etc., through unit contracting office (Para G-16).
- Individual or group stabilization requests submitted (Para G-14).
- The NTC provides AC training unit with a pre-deployment package containing applicable NTC regulations, SOPs, MOIs, and projected vehicle availability (para 3-3 and 3-5).
- Attack Helicopter qualification and gunnery (para 1-5).
- Corps submits request for additional training resources to FORSCOM (para 3-2).
- Platoon Level Live Fire Exercise (para 1-5).
- Brigade Fire Coordination Exercise to Platoon Leader Level (para 1-5).
- Safety related areas incorporated into unit training (para P-1).
- The NTC sends signal information packet to brigade/regiment (para G-20).
- Corps submit endorsed troop list to FORSCOM (AFOP-TRC) for approval and the NTC for supportability.

- D-150**
- The NTC provides rotational support comments to Commander, Forces Command, 1777 Hardee Avenue, SW., ATTN: AFOP-TRC, Fort McPherson, GA 30330-1062 for FORSCOM C of S approval.
  - Forces Command reviews troop list and rotation exceptions.
  - Organization with cross attachments, support units, and tactical SOP are submitted to the NTC (para 3-6).
  - The NTC determines O/C shortfalls and notifies TRADOC and FORSCOM as appropriate to receive augmentation. The NTC updates this list every 15-days (para 3-2).
  - The LTP conducted (**Appendix B**).
  - Division Cdr/ADC(M) approve proposed rotation scenario (during LTP).
  - Brigade/regiment provides updated Rotational Unit Worksheet (**Appendix E-2**).

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- DOIM - Fort Irwin provides information packet to brigade signal officer (para G-13).
  - Augmentation unit ammunition transfer submitted to NTC (para H-6).
- D-120** - FORSCOM approves the troop list and issues MTF verifying OC augmentee requirements.
- Units forecast training ammunition
- D-90**
- MILES equipment train-up at home station (C-90 thru C-60) (para 1-5).
  - Corps provides by-name list of O/C augmentees to NTC (para 2-6)
  - TISA request to NTC (para H-2).
  - Unit submits media visit requests to FORSCOM (para G-16).
  - Unit notifies NTC Safety Office of Rotational Safety Officer (para P-1).
  - MILES support approved/coordinated (para H-14).
  - Other TSC services coordinated and approved (para H-14).
  - NTC TSC SPO Equipment/Rotation Branch provides an updated prepositioned equipment authorization list (PEAL).
- D-60**
- Bulk and package Class III forecast to NTC NTC MMC-Fort Irwin (para H-4).
  - Class IV forecast to NTC MMC-Fort Irwin (para H-5).
  - TMP vehicle request, as required (para H-11).
  - Unit sends DD Form 448 to DRM-Fort Irwin and required homestation DODAACs and APCs (para 3-4).
  - Unit sends fund cite to NTC MCC Fort Irwin for commercial buses (para 3-4).
  - Unit sends fund cite to NTC MMC-Transportation Fort Irwin for baggage (para 3-4).
  - Unit designates PAO point of contact (para G-16).
  - Division Surgeon's Office forwards Credentialing Packet to NTC MEDDAC (para G-4).
  - Unit's DENTAC Commander request courtesy privileges to NTC DENTAC (para G-5).
  - Unit submits request for deviations from NTC MMC MCC Fort Irwin, MCC SOP (para H-11).
  - Rotational Safety Officer coordinates with NTC Safety Office (para P-1).
  - NTC provides final vehicle availability list to unit (para 3-5).
- Unit coordination with MCC (para H-11).
  - Fog oil request to NTC.
  - Unit notify NTC of unit distinguished visitors (para 3-10).
  - The TRADOC provides by-name list of O/C augmentees to NTC (para 2-2).
- D-54**
- Unit provides NTC MMC with equipment assignment list (para 3-5).
  - Unit provides NTC MMC with requested initial grid for equipment draw.
- D-45**
- Non-routine requests to TSC (para H-15).
  - Provide Exercise DODAACs and home station APCs to the NTC TSC SPO
- D-30**
- The NTC provides draft orientation briefing schedule (OBS) to unit. Final OBS will be provided at D-8.
  - Augmentee O/Cs requiring train-up arrive at NTC (para 3-2).
  - Telephonic verification of TISA requirements for adjusted head count (para H-2).
  - Unit coordination follow-up with MCC to include over-size/overweight wheeled vehicles that may *require* permits (para H-11).
  - Unit confirms deployment/redeployment schedule with NTC MMC, MCC (para H-11).
  - Unit coordinates with DAO Fort Irwin for finance support (para G-15).
  - Unit coordinates with NTC Staff Weather Officer on concept of support (para D-1).
  - Unit PAO coordinates with NTC PAO (para G-16).
  - Unit coordination with NTC MEDDAC (para G-4).
  - Unit coordination with NTC DENTAC (para G-5).
  - Rotational unit signal officer coordination with 52d Div (Mech) CESO on radio retrans and relay sites.
  - DA Form 581s submitted to NTC, G3, Training Division (para H-6).
  - Unit provides NTC MMC with final grid for equipment draw.
  - NTC provide MIPR to rotational unit
- D-29**
- Unit provides NTC MMC 21 day storage list.
- D-15**
- Unit coordination with MCC (para H-11).
  - Unit provides Army aviation deployment schedule to NTC, G3, P & O.

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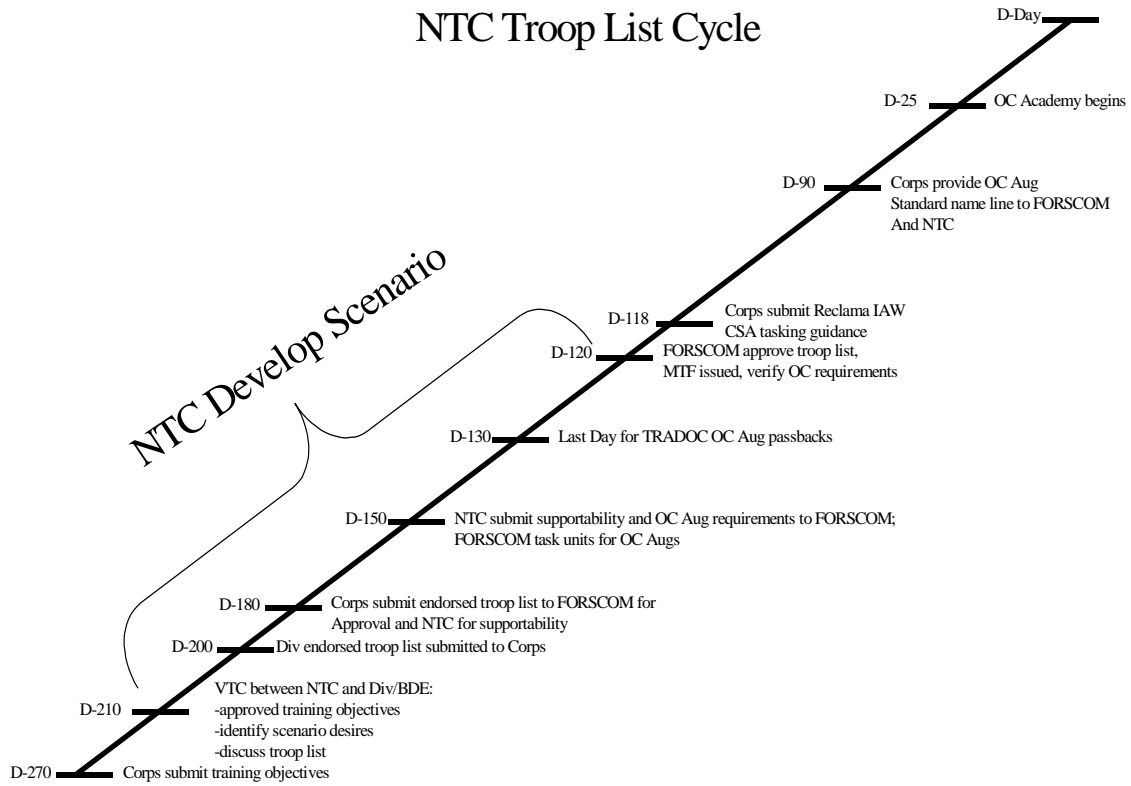
- D-9** - Turnover of Rotational Unit Bivouac Area (RUBA) from the outgoing to incoming unit. The DSA (-) MSMC/ASMC must establish operations NLT COB with an established treatment site and patient holding site meeting the minimal requirements outlined in Appendix G, section 4.
- D-2** - Logistical liaison team arrives at NTC (no more than 5 personnel) (para 3-5).
- D-1** - Advance party begins arriving at NTC (not more than 50 personnel).
  - Submit valid DA Form 1687s to ASP, NTC MMC Ammunition Management Div, MILES warehouse, ITT, etc.
- D-DAY** - Advance party deployment completed.
  - Turnover of rotational unit bivouac area (RUBA) from outgoing unit.
  - Coordinate with MCC on unit air and rail flow (para H-11).
  - Hand carry movement orders and E-11F emergency travel authorization to passenger travel office, bldg. 565 (para H-11).
  - Telephonic verification of Class I requirements to TISA-Fort Irwin (para H-2).
  - Complete issue of prepositioned equipment.
  - Advance Party Arrives
- D+1** - Unit begins Early Draw (Rail loading and RUBA support equipment only).
  - NTC issues final draft of Orientation Briefing Schedule (OBS). The rotational OBS provides the specific schedule of rotational coordination meetings. This time line provides only a generic schedule for programming and information.
- D+2** - Main Body Arrival at NTC.
- D+3** - Equipment Inventory begins.
- D+4** - (Issue Day 1/RSOI - Monday)
  - SOI issued to unit signal officer by 52d Div Signal Officer (Operations Group)
  - Unit Briefing requirements (See rotational OBS)
  - All OC Augmentees report to Operations Group OC Academy (para 3-2 and 3-16).
  - Rotational Unit Worksheet (RUW)(Draft) submitted to NTC G3, P&O (para 3-2).
- D+5** - (Issue Day 2/RSOI - Tuesday)
  - Main body deployment completed.
  - Operations Group in-briefs begin (NTC Orientation Briefing Schedule).
- D+6** - (Issue Day 3/RSOI- Wednesday)
  - Division/corps movement order issued (NTC Orientation Briefing Schedule)
  - DTOC augmentees report to Operations Group (para N-5).
  - Live Fire augmentees report to Operations Group (para O-2).
  - Battalion/task force commanders brief respective senior O/Cs on their combat power, vehicle deadline status, significant equipment shortages, tank roller/plow status and Class V issues (para 3-2).
  - Vehicle instrumentation checks begin at Desert Shade outside Blue Fleet Staging Area (NTC Orientation Briefing Schedule).
- D+7** - (Issue Day 4/RSOI - Thursday)
  - Division/corps operations order issued (NTC Orientation Briefing Schedule).
  - Rotational brigade commander presents short overview of unit training status covering METL, significant problems or special concerns, techniques of train-up, goals and expectations, and brigade modernization impact/status (para 3-2).
- D+8** - (Issue Day 5 -RSOI - Friday)
  - Operations Group in-briefs completed (NTC Orientation Briefing Schedule).
  - Unit (brigade) ministry team (UMT) provides religious support plan (IAW FM 16-1) to the senior UMT O/C prior to move out (NTC ROE).
  - Rotational Unit Worksheet (RUW)(final) submitted to NTC G3, P&O (para 3-2).
  - Unit completes color coding of ATWESS ammunition prior to move out (NTC ROE).
- TD 0** - (Move Out Day - Saturday)
  - Tactical maneuver training
- thru** - (FFT and LFT).
- TD 13**
- TD 14** - (End of Mission-Saturday)
  - Reconnaissance of police areas (para G-17).
  - Unit download (unit plan).
  - Movement into Fort Irwin cantonment area (unit plan).



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- R-DAY** - (Preparation for regeneration - Sunday)
  - Orientation briefing on regeneration (NTC Orientation Briefing Schedule).
  - Final after action reviews (Operations Group Schedule).
  - Range police (para G-17).
  
- R+1** - (Regeneration Day 1 - Monday)
  
- R+2** - (Regeneration Day 2 - Tuesday)
  
- R+3** - (Regeneration Day 3 - Wednesday)
- R+4** - (Regeneration Day 4 - Thursday)
  - Begin redeployment of main body
  - Class IV must be reconfigured to standard and account closed.
  
- R+5** - (Regeneration Day 5 - Friday)
  - Complete regeneration of equipment
  - Complete redeployment of main body.
  - Turnover rotational unit bivouac area to incoming unit.
  
- R+8** - NTC clearance completed by trail party (NTC policy memorandum).
  
- R+18** - NTC Rotation After-Action Survey due to HQ, NTC G3.
  
- R+65** - Unit submits after action report with completed Rotational Unit Worksheet IAW **Appendix E**.

Figure I-1 NTC Troop List Submission Cycle



**APPENDIX J**

***Points of Contact (POC) List***

**J-1. FORSCOM POC:**

Commander  
Forces Command  
1777 Hardee Avenue, SW.  
ATTN: G3/ AFOP TRC  
Fort McPherson, GA 30330-1062  
G3  
DSN 367-5498/5897

**J-2. TRADOC POC:**

Commander  
TRADOC  
ATTN: ATTG-U/ATTG-RC  
Fort Monroe, VA 23651  
DSN 680-5681/5711

**J-3. NGB POC:**

HQDA  
ATTN: NGB-ARO-TU  
Arlington Hall, VA 22204-1382  
DSN 327-9328 or 9314

**J-4. ATSC POC:**

DIR, DART/NTC  
ATTN: ATIC-RT  
Fort Eustis VA 23604  
DSN 927-2383/2320

**J-5. NTC POCs:**

**G3/NTC:**

Commander  
NTC, G3  
Post Office Box 105100  
ATTN: AFZJ-PT  
Fort Irwin, CA 92310-5100  
DSN 470-5555/3323

Commander  
NTC, G3/Plans & Operations  
Post Office Box 105101  
ATTN: AFZJ-PTO  
Fort Irwin, CA 92310-5101  
DSN 470-4058/3326, FAX 4058

Commander  
NTC  
G3/Training Support Division (G3/TSD)  
Post Office Box 105102  
ATTN: AFZJ-PTC  
Fort Irwin, CA 92310-5102  
DSN 470-3881, FAX 5556

Commander  
NTC G3/Safety  
Post Office Box 105102  
ATTN: AFZJ-PTC  
Fort Irwin, CA 92310-5102  
DSN 470-5093

Commander  
NTC G3/Aviation  
Post Office Box 105084  
ATTN: AFZJ-PTA  
Fort Irwin, CA 92310-5084  
DSN 470-4167/4072

Commander  
NTC, G3/Spectrum Management  
Post Office Box 105104  
ATTN: AFZJ-PTS  
Fort Irwin, CA 92310-5104  
DSN 470-3280

Commander  
NTC, Emergency Operations Center (EOC)  
Post Office Box 105101  
ATTN: AFZJ-PTO  
Fort Irwin, CA 92310-5101  
DSN 470-3750/3326, FAX 4788

**Theater Support Command:**

Commander  
Theater Support Command, (TSC)  
Post Office Box 105017  
ATTN: AFZJ-TSC  
Fort Irwin, CA 92310-5017  
DSN 470-3335

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NTC  
Support Operations Office  
Post Office Box 105017  
ATTN: AFZJ-MCX  
Fort Irwin, CA 92310-5017  
DSN 470-3903

Commander  
MMC, Support Operations, Rotation Branch  
NTC, MMC  
Post Office Box 105106  
ATTN: AFZJ-MCX-RB  
Fort Irwin, CA 92310-5106  
DSN 470-4989/6233/6232/3842

Commander  
NTC MMC Materiel Division  
Post Office Box 105106  
ATTN: AFZJ- MMC  
Fort Irwin, CA 92310-5106  
DSN 470-3802/3625

**MMC Supply Division:**

Commander  
NTC, MMC Supply Division  
Post Office Box 105106  
ATTN: AFZJ-MCS  
Fort Irwin, CA 92310-515106

**MMC, Ammunition Mgt:**

Commander  
NTC, MMC, Ammunition Management  
Post Office Box 105106  
ATTN: AFZJ-MCA  
Fort Irwin, CA 92310-5106  
DSN 470-4000/4256

**Movement Control Center (MCC):**

Commander  
NTC, Movement Control Center  
Post Office Box 105106  
ATTN: AFZJ-MCT-C  
Fort Irwin, CA 92310-5106  
DSN: 470-4977

**Operations Group:**

Commander  
NTC  
Plans & Operations (Ops Grp/P&O)  
Post Office Box 105038  
ATTN: ATXY-P  
Fort Irwin, CA 92310-5038  
DSN 470-4419/4619, FAX 4422

**Leaders Training Program (LTP):**

Commander  
NTC, LTP  
Post Office Box 105062  
ATTN: ATXY-LTP  
Fort Irwin, CA 92310-5062  
DSN 470-3913, FAX 5578

**Commander, 11th ACR (OPFOR):**

Commander  
11th Armored Cavalry Regiment  
Post Office Box 105068  
ATTN: AFZJ-AC-O  
Fort Irwin, CA 92310-5068  
DSN 470-5129/5128

**G2**

Commander  
NTC, G2  
Post Office Box 105059  
ATTN: AFZJ-I  
Fort Irwin, CA 92310-5095  
DSN 470-5289

**Reserve Component Support Element:**

Commander  
NTC, RCSE  
P.O Box 105009  
ATTN: AFZJ-RCS  
Fort Irwin, CA 92310-5009  
DSN 470-3017/6225

**PROTOCOL:**

Commander  
NTC, Chief, Protocol  
Post Office Box 105065  
ATTN: AFZJ-PB  
Fort Irwin, CA 92310-5065  
DSN 470-3000

**Public Affairs Officer (PAO):**

Commander  
NTC, Chief, PAO  
Post Office Box 105067  
ATTN: AFZJ-PO  
Fort Irwin, CA 92310-5067  
DSN 470-4511/3078

**FORSCOM Regulation 350-50-1**

**Director of Public Works:**

Commander  
NTC, DPW  
Director Of Public Works (DPW)  
Post Office Box 105097  
ATTN: AFZJ-PW  
Fort Irwin, CA 92310-5097  
DSN 470-3433/5050

**DPW/Environmental Division:**

Commander  
NTC, DPW Environmental  
Post Office Box 105097  
ATTN: AFZJ-PW  
Fort Irwin, CA 92310-5097  
DSN 470-3740/4501

**Director of Contracting (DOC):**

Commander  
NTC, DOC  
Post Office Box 105095  
ATTN: AFZJ-DC  
Fort Irwin, CA 92310-5095  
DSN 470-3660

**Director of Resource Management (DRM):**

Commander  
NTC, DRM  
Post Office Box 105056  
ATTN: AFZJ-RM  
DSN 470-3298/3337  
Fort Irwin, CA 92310-5056

**Defense Finance and Accounting Service:**

NTC  
Defense Accounting Officer  
Post Office Box 105055  
ATTN: DFAS-IN/EM-FX  
Fort Irwin, CA 92310-5055  
DSN 470-3211,

**Adjutant General (AG):**

Commander  
NTC, G1  
Post Office Box 105099  
ATTN: AFZJ-AG  
Fort Irwin, CA 92310-5099  
DSN 470-4040/4367

**Director of Information Management (DOIM):**

Commander  
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Post Office Box 105096  
ATTN: AFZJ-IM  
Fort Irwin, CA 92310-5096  
DSN 470-3002

**MEDDAC:**

Commander  
MEDDAC  
Post Office Box 105109  
ATTN: MCXK  
Fort Irwin, CA 92310-5109  
DSN 470-3108/3171

**DENTAC:**

Commander  
DENTAC  
Post Office Box 105076  
ATTN: AFZJ-DCBK  
Fort Irwin, CA 92310-5076  
DSN 470-4966/4990

**Inspector General:**

Commander  
NTC, Inspector General  
Post Office Box 105026  
ATTN: AFZJ-IG  
Fort Irwin, CA 92310-5026  
DSN 470-3038

**NTC Staff Judge Advocate:**

Commander  
NTC Staff Judge Advocate  
Post Office Box 105072  
ATTN: AFZJ-JA  
Fort Irwin, CA 92310-5072  
DSN 470-3251/3255  
Trial Defense Services  
DSN 470-3282/4199

**NTC INFORMATION:**

DSN 470-4711  
COMM Area Code 760-380-4711.

**J-6. NTC E-Mail Addresses:**

NTC and Fort Irwin  
Office symbol @irwin.army.mil

**J-7. EOD POC:**

Commander  
52nd Ordnance Group (EOD), ATTN: AFYB-S3,  
5011N. 26th Street  
Fort Gillem, GA 30297-5192.  
E-mail: afyb-s3@forscom.army.mil

## **APPENDIX K**

### ***Prepositioned Vehicles and Equipment***

**K-1. Propose.** As part of the Reception, Staging, Integration and Onward Movement initiative, the desired endstate of the Prepositioned Equipment Fleet is to replicate an Army War Reserve (AWR) equipment fleet. The only equipment that may be transported to the NTC will be that designated as Not Authorized to Preposition (NAP) and To Accompany Troops (TAT). Comparative rail car support will be authorized/resourced to replicate strategic airlift. Equipment listed below is what is offered a Brigade Combat Team for draw. Amounts of equipment available may fluctuate, depending on operational status and equipment on hand. The unit will be given updates of equipment availability throughout the planning sequence. The NTC TSC will provide this

data to the unit during the planning sequence as part of the battle book.

**K-2. Prepositioned Fleet Changes.** Forces Command, G4 is the FORSCOM authority on any changes to the prepositioned fleet. The DCSLOG (in coordination with DCSOPS Training) will validate the training requirement and provide instructions to NTC Theater Support Commander. FORSCOM G3, FORSCOM G4 and NTC Theater Support Commands will update the PREPO fleet TDA document annually as a joint effort. The intent is to provide the FORSCOM training community the best available training fleet within affordable resources.

## **APPENDIX L**

### ***Equipment List for Field Visitation and Subject Matter Experts***

#### **L-1. Field Visitation**

##### **ITEM**

Pistol belt  
Canteens  
Canteen cup  
First aid packet  
Suspenders  
Protective mask (note 2)  
Kevlar helmet with camouflage cover and chin strap  
Poncho  
Man Worn Laser Device (MWLD) (note 1)  
Uniform according to season

#### **L-2. Equipment listing for Subject Matter Experts (SME) (Note 3)**

LBE (pistol belt, suspenders, two canteens, first aid pouch, ammo belt)  
Kevlar helmet with camouflage cover and chin strap  
Protective mask  
Wet weather gear (top and bottom)  
Poncho with liner (optional)  
Binoculars, night vision goggles (must hand receipt from units at home station)  
Gloves  
Rucksack, kit bag, or light bag (with shaving gear/towels/soap)  
Sleeping bag  
BDUs and soft cap (three sets)  
Socks (several pair)  
Flashlight  
Thermos (optional)  
Blanket(s)  
Pad for HMMWV seat  
Additions for live fire: vest, armored, individual; goggles, ballistic laser protective

**NOTE 1:** Required if training unit hosts visit. If visit is conducted by NTC Protocol MILES and MWLD will not be required

**NOTE 2:** Required if training unit hosts visit. If NTC Protocol protective conducts visit equipment will not be required.

**NOTE 3:** All gear taken to field must fit into one bag (stowed in back of HMMWV). The CALL team at NTC will provide maps and map cases, sleeping cots, dust goggles, sunscreen lotion and chap stick.

## **APPENDIX M**

### ***NTC Scheduling Procedures***

**M-1. Intent.** Meet the CSA objectives for unit rotations at the National Training Center.

#### **M-2. Responsibilities**

a. HQ, FORSCOM

(1) Act as the DA executive agent for NTC scheduling.

(2) Develop and maintain rotational scheduling model that fairly allocates available rotations to all using units.

(3) Schedule USARPAC, CONUS based AC units and Reserve Component units following the scheduling model.

(4) Maintain 5 years of schedules, (current year, plus two years of coordinated schedules, plus two years of draft schedules).

(5) Host and conduct semi-annual World Wide Training and Scheduling Conference in October and April.

b. Corps, CONUSA, NGB and USARPAC.

(1) Attend scheduling conference.

(2) Maintain data on Joint exercises, Division Ready Brigade schedules, BCTP rotations and change of command dates as they pertain to deconflicting NTC rotational scheduling and according to para 1-3 f, General Information.

(3) Act as the scheduling coordinator between FORSCOM DSCOPS NTC schedulers and Division units.

**M-3.** The scheduling model is based on a two-year period of NTC rotations. This equals 20 rotations or 60 Battalion seats available to attend NTC as a BLUFOR player. All scheduling is done in a Brigade (ROTATIONAL BRIGADE) operational concept. Selected battalions are allowed, according to the

CTC Program, one NTC rotation during a two-year period. This two-year period is designed to align with the Battalion CDR tour of command. No battalion is allowed to attend a CTC rotation twice during a two-year period. The two-year limitation does not pertain to BDE CDRs. Each Division is allocated rotations based on the number of assigned ground combat battalions. A nine-battalion division is allocated 4 1/2 NTC rotations in a two-year period. The Division Cavalry Squadrons, and Attack Aviation Battalions are not counted as part of the 4 1/2 rotational allocations. The Light Infantry Battalions are added based on the need of Light Force through put for JRTC. The ARNG is allocated one rotation per year, providing an eight-year cycle for heavy enhanced separate Bdes.



## **APPENDIX N**

### ***Division Tactical Operations Center (DTOC) Augmentation***

#### **N-1. General**

This appendix provides guidance to *rotational* units on DTOC augmentation at the NTC.

#### **N-2. Philosophy**

a. The Operations Group replicates the 52d Mechanized Division that serves as the rotational brigade's higher headquarters. Experience has shown that training for the rotational unit improves significantly when the parent division augments the DTOC with selected personnel.

b. The augmentees provide personnel familiar with the division tactical SOP. They also provide information to the brigade within the scope of the scenario, that the Operations Group is not fully resourced to provide. This aids in training the brigade and division staff.

#### **N-3. Requirements**

a. Current augmentation requirements are as follows:

<u>Position</u>	<u>Grade Required</u>
ASAS Operator (3)	SPC or higher
ASAS NCOIC	SGT or higher
CGS Operator (2)	SPC or higher
AMDWS Operator (2)	SPC or higher
ABMOC NCOIC (2)	SGT or higher
MCS Operator (3)	PFC or higher
FBCB2 Operator (3)	PFC or higher

Notes:

1. CGS Operators are required only when live JSTARS is supporting the rotation, not a normal rotational requirement.
2. AMDWS Operators must bring the following equipment:
  - (a). 2 x FO-AMDWS (UCU)
  - (b). 2 x EO-CHS II (HCU)
3. MCS and FBCB2 operators only required for digitized units. They must bring the following equipment:
  - (a). MCS System complete
  - (b). FBCB2 System complete

#### **N-4. Responsibilities**

- a. Commander, NTC.
  - (1) Provide billeting for augmentation personnel.
  - (2) Provide mess support for augmentation personnel without per diem surcharge rates.
  - (3) Provide training, guidance, and supervision of augmentation personnel.
- b. Commander, training unit division.
  - (1) Provide transportation to and from NTC for augmentation personnel.
  - (2) Provide augmentation personnel as desired.
  - (3) Submit a brief after action report to Cdr, NTC, ATTN: ATXY-PO, Post Office Box 105038, Fort Irwin, CA 92310-5031, NLT 30 days after end of rotation addressing ways to improve the DTOC augmentation training program.

#### **N-5. Administrative instructions**

- a. Augmentation personnel should arrive 3-days before the first training day and depart 2-days after the last training day.
- b. Augmentation personnel should bring sleeping bags and seasonal CTA-50. There is normally an opportunity for the augmentees to observe a battle either with the OPFOR or with an O/C.

## **APPENDIX O**

### **Safety**

#### **O-1. General**

a. Commanders will integrate risk management into all aspects of training conducted at the National Training Center and Fort Irwin IAW FM 100-14, Risk Management. Commanders will provide a written risk assessment to the Commanding General of the NTC prior to RSOI 5 for the rotational training exercise. Operations orders from brigade level down to squad level should include “Safety” provisions and “Risk Management” paragraphs covering light data, weather, terrain, and other hazards identified in appropriate risk assessments.

b. All supervisors and leaders involved in training at the NTC will incorporate the tenants of the Army Risk Management Process. Leaders and supervisors are responsible for all aspects of safety involving their soldiers and equipment. Personnel deployed to the NTC will adhere to the applicable provisions of NTC Regulation 350-3 (Training – NTC & Fort Irwin Ranges and Training Areas), NTC Regulation 385-10 (Safety – NTC Safety Program), NTC Regulation 385-95 (Safety – NTC Aviation Accident Prevention Program), and the Rules of Engagement (ROE) when conducting training exercises.

c. Any training activity with a residual risk of high or extremely high requires the authorization of the Rotational Commander and the NTC Commander prior to execution. If an action will result in an unacceptable risk, measures should be taken to mitigate it. If the risk cannot be mitigated to an acceptable level, the action should not be executed.

#### **O-2 Rotational Unit Responsibilities**

a. Rotation Commanders will:

(1) Appoint a U.S. Army Safety Center (USASC) Aviation Safety Officer (ASO) for Aviation Task Forces (ATF) regardless of size or composition if deployed as part of the rotational training exercise 90 days prior to deployment.

(2) Appoint a GS-0018 series at the journeyman level, occupational safety & health specialist, or an officer (O-3 or above) with appropriate tactical, ammunition, and range safety training and/or experience to serve as the Rotational Safety Officer (RSO) for ground activities at least 90 days prior to deployment to the NTC for the units noted below. Because of the inherent risk of training at the NTC it is highly recommended that Commanders assign two

GS-0018 ground safety specialists to serve as RSOs if manpower and resources permit.

(3) Appoint a Unit Radiation Safety Officer (URSO) as specified in P-6 Radiation Safety below. The URSO may or may not be the Rotational Safety Officer based on the qualifications and training.

b. Rotational Safety Officers assigned ground safety activities will be provided office space and work out of the NTC & Fort Irwin Post Safety Office. RSOs will coordinate safety activities with the Post Safety Director and the TRADOC Operations Group Safety Specialist.

c. The Rotational Safety Officers are not “players” during the rotation. They are assigned as staff officers to monitor the safety and health of soldiers during training activities and liaison effectively with critical NTC & Fort Irwin elements within the cantonment area. They should be on TDY orders to the NTC & Fort Irwin and provided lodging at the Landmark Inn on post or other appropriate lodging that is provided for civil service and other DOD personnel assigned TDY to Fort Irwin.

d. Rotational Safety Officers must arrange for a rental vehicle or reserve a TMP vehicle through the rotational unit’s transportation officer prior to arrival at the NTC and Fort Irwin. This vehicle is necessary for transportation within cantonment where tactical vehicles are prohibited, transportation to the Yermo Railhead, transportation to Southern California International Airport (SCIA), and for transportation for emergencies to hospitals outside the NTC & Fort Irwin. The NTC Post Safety Office does not provide this transportation.

e. RSOs must have a tactical vehicle with FM radio(s) and driver when required for exclusive use during the rotation. Qualifications of the RSO/driver will include map reading, utilization of global positioning device (government or commercial), communications discipline, NVGs, blackout drive, driving in low visibility (dust conditions), driving over rough terrain, and an understanding of specific PMCS requirements for the vehicle in use. The RSO and/or driver must have night vision goggles to enter the maneuver area during night operations.

f. Civilian safety specialists serving, as RSOs will wear military uniforms IAW with FORSCOM Regulation 350-50-1 when inside the light line (maneuver area) during the rotational training cycle when uniforms are required per the ROE. Helmets will be worn when operating tactical vehicles and approved flak vests and helmets will be worn during live fire exercises in areas designated by the ROE or other NTC regulatory provisions. RSOs may utilize non-military type baseball caps designating “Safety” (typically black with green lettering) when the use of helmets is not mandated. In lieu of military uniforms

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and to increase the visibility and effectiveness of the RSOs the unit commander may authorize RSOs to wear tan coveralls or tan shirt and trousers, tan work boots, and/or tan coat at the NTC & Fort Irwin. Kevlar helmets and flak vests are still required when mandated by the ROE.

g. RSOs are required to attend the Range Safety Briefing usually scheduled for RSOI-2 and receive a Range Safety Card from G3 Range Control prior to entry into the maneuver training areas.

h. RSOs entering the maneuver training areas must have a radio, adequate drinking water (24-hour supply), first aid kit, GPS, and an installation map.

**NOTE:** Separate units below battalion strength, not OPCON or attached to the rotational brigade, will have their unit safety officer coordinate with the NTC & Fort Irwin Post Safety Office 60-days prior to deployment, upon arrival, and prior to departure.

### O-3 NTC Responsibilities

The NTC Safety Office will provide the RSOs the following during the rotation:

- (1) Office space
- (2) Wall locker
- (3) Desktop computer and printer with Email capability
- (4) General office supplies
- (5) Beeper and/or handheld radio
- (6) Accident investigation kit
- (7) Flak vest
- (8) Accident and incident reports (EOC, Environmental, Range Safety, and other pertinent information to include UXO and spill reports).
- (9) Lab analysis for ionizing radiation mishaps (wipe samples) from the Marine Corps Logistics Base.
- (10) Bioassays for radiation mishaps.
- (11) Accident kit for radiation mishaps to include bags, gloves, wipe sample material, detection instrumentation, and other necessary personal protective equipment and supplies.
- (12) Safety and health information is provided at [http://www.irwin.army.mil/G3/G3\\_safety.htm](http://www.irwin.army.mil/G3/G3_safety.htm).

### O-3. Recommended Home Station Safety Training for Rotational Units

a. Commanders will ensure soldiers deployed to the NTC & Fort Irwin receive adequate safety and health training prior to arrival to include the following as a minimum.

(1) Familiarization with the Army Risk Management Program IAW with Field Manual 100-14. Safety and Risk Management will be integrated into all aspects of preparation for and training at the NTC.

(2) Safety regarding the utilization of Pyrotechnics and the hazards of Unexploded Ordnance (UXO). Soldiers should review videotape 709919 "Danger UXO" and 707508 "Pyrotechnics Beware" or their equivalent prior to arrival at the NTC. Soldiers must be familiar with "no dig areas" at the NTC and safety precautions regarding digging operations at the NTC prior to entry into the maneuver training area. Soldiers will be advised never to touch anything on the ground in the training area that they cannot positively identify as not having an explosive hazard.

(3) Review Field Sanitation procedures. Conduct training and exercise field sanitation at all levels prior to and during NTC rotations.

(4) Rollover and tactical vehicle fire drills (to include the inspection and training on the use of portable fire extinguishers) prior to arrival at the NTC and prior to entry into the maneuver at the NTC during the rotational training cycle.

(5) Soldiers must be briefed and familiar with the environment and archaeological restrictions applicable at the NTC to include precautions regarding the desert tortoise, an endangered species, prior to entry into the maneuver training area. Soldiers need to be briefed regarding off limit areas, restricted areas, and no dig areas as prescribed in NTC Regulation 350-3.

(6) Proper training on the safe construction and utilization of survivability and/or fighting positions prior to arrival at the NTC. The collapse of survivability positions is a serious hazard and safety briefings should emphasize prevention of these mishaps.

(7) Training on the hazards of carbon monoxide poisoning and the use of tent heaters. Commanders will ensure that only authorized tent heaters are utilized at the NTC.

(8) Soldiers will be briefed on the requirements for the identification, marking, and filling in of tactical vehicle fighting positions prior to entry into the maneuver training areas.

(9) Emergency medical evacuation procedures and the actions to take during a serious mishap to include preservation of the accident site for accident investigation purposes.

(10) Hazards of striking electrical and communication lines with gun tubes, crane booms, and other equipment within the cantonment area at the NTC. No soldier will operate a government or commercially leased crane at the NTC without mandatory training and licensing per regulations.

(11) Hazards of flash floods at the NTC and the necessary precaution regarding the avoidance of low areas and wadis during flooding.

(12) Convoy operations to include no-light/blackout drive, and rear-end collision prevention.

(13) NVD/NVG training to include blackout drive, convoy operations, light data requirements, tactical environment and operator level maintenance.

(14) Operations in reduced visibility (i.e., night, dust, and smoke).

(15) Operations on steep terrain to include vehicle restrictions.

(16) Load plans and the hazards of unsecured equipment and cornering with high loads.

#### **O-4. Rotational Safety Officer (RSO)**

The RSO's primary duties are to serve as a staff function safety specialist to his command group and liaison effectively with key NTC elements. Duties will include monitoring risk management integration into unit training activities, obtaining mishap information, conducting accident investigations as required, surveying key training areas and making on the spot corrections, and advising the command group on safety and health issues. The RSO will:

a. Contact the NTC & Fort Irwin Safety Office when first receiving the rotational safety officer assignment by his command. The RSO should request critical safety and health information from the NTC and Fort Irwin Post Safety Office to include primary accident causation factors and countermeasures. The RSO should make contact with previous rotational RSOs, the U.S. Army Safety Center, the Tactical Safety Specialist at the FORSCOM Safety Office, and the Operations Group (TRADOC) Safety Officer at the NTC up front and early to aid in rotational safety planning and risk management.

b. Coordinate any off post communication regarding serious incidents or mishaps with his command group and the NTC Post Safety Director, the NTC EOC, and the NTC Command Group. No information shall be sent off post by the RSO utilizing any type of communication device until the Post Safety Office and/or NTC EOC notify the NTC command group. This includes the notification of Class A or B mishaps to the U.S. Army Safety Center and the FORSCOM Safety Office. This will ensure proper coordination and accuracy in accident reporting procedures.

c. Contact the NTC & Fort Irwin Post Safety Office NLT 60-days prior to deployment to receive initial information and to ensure all requirements are met. The ATF RSO's must also contact the NTC aviation safety office.

d. In-process and clear through the NTC & Fort Irwin Post Safety Office. The ATF RSO's will be in-processed and cleared through the NTC aviation safety office.

e. Maintain a log of all reportable and recordable mishaps involving rotational unit soldiers and operations as directed by the NTC & Fort Irwin Post Safety Director. This log should be updated daily as time permits. The RSO will obtain the rotational medical log daily to assist in completing this report. This information is mandatory for appropriate mishap trend analysis and countermeasure development at the NTC & Fort Irwin. A copy of this log will be provided the NTC & Fort Irwin Post Safety Office prior to the departure of the RSO back to home station.

f. Ensure Class A, B, and C mishaps are reported to the NTC & Fort Irwin Post Safety Office as soon as reasonably possible. Advise the NTC Safety Office of reportable mishaps of interest especially those involving tactical vehicles such as collisions and rollovers.

g. Coordinate the appointment of accident investigation boards IAW AR 385-40 and coordinate office space and other board requirements with the NTC & Fort Irwin Post Safety Office.

h. Ensure that all required preliminary information is obtained to complete and submit DA Forms 285(s) IAW AR 385-40 and DA Pam 385-40. DA Forms 285(s) are not required for submittal to the NTC & Fort Irwin Post Safety Office if the reportable and recordable mishap log with appropriate information is submitted to the NTC Safety Office.

i. Attend daily or as requested coordination meetings established by the NTC & Fort Irwin Post Safety Director that is typically attended by the Operations Group (TRADOC) Safety Specialist and the 11<sup>th</sup> ACR (OPFOR) operational safety officer.

j. Conduct safety surveys and inform the command group of both unfavorable and favorable safety trends in the following areas:

- (1) Yermo Railhead operations
- (2) Draw Yard operations
- (3) Dustbowl activities
- (4) Field training operations (emphasize hazardous material handling including fuel and ammunition handling) and BSA activities.
- (5) Convoy operations
- (6) Live Fire operations
- (7) Aircraft ground safety to include refueling
- (8) Daily checks at the Dustbowl Aid Station and Rotational EOC.

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### O-5 Laser Safety

Only eye safe lasers will be used during force-on-force portion of the training to protect personnel from beam irradiance or radiant exposure.

**NOTE:** The MILES is an eye safe system and is not considered hazardous under training conditions at the NTC & Fort Irwin. Unfiltered lasing during live fire is permitted; however, the commander must ensure there is no ground or aviation lasing when exposed personnel are not adequately protected. Lasing at other than approved targets is prohibited.

### O-6 Radiation Safety

a. Rotational unit commanders will designate in writing a Unit Radiation Safety Officer (URSO) to maintain control of radioactive items while training at the NTC. This individual may be the assigned Rotational Safety Officer. The URSO will provide consultation and advice on the degree of hazards associated with ionized radiation and the effectiveness of measures utilized to control these hazards.

b. The URSO will report all radiation incidents to include loss of control, destruction, and damage to equipment containing radioactive material and possible radioactive contamination to the NTC Installation Radiation Protection Officer (IRPO). The URSO must have knowledge of and comply with appropriate radiation safety provisions.

c. The movement of military equipment containing radioactive material to the NTC for training exercises is exempt from the shipping requirements as specified in 49 Code of Federal Regulations.

d. A memorandum on Rotational Radioactive Material Movement (**Figure O-1**) must be completed for all movement of radioactive material, signed by the unit commander, and forwarded to the NTC & Fort Irwin Post Safety Director. An inventory of radioactive material must be provided to the transportation carrier and will be inventoried and checked for condition upon arrival by personnel knowledgeable of the types of radioactive materials in the equipment and familiar with the associated hazards and emergency procedures to follow in the event of an incident.

e. Any engineer unit shipping MC-1, Moisture Density Testers, must contact their Installation RPO and the FORSCOM RPO to ensure that the special handling instructions for the MC-1 are complied with and that transport vehicles and rail car monitoring surveys are conducted prior to loading and before unloading this item.

f. The unit commander and URSO are directly responsible to ensure that proper control and accountability procedures are implemented and followed to maintain strict control and prevent loss or damage to radioactive items while at the NTC. Any loss of control or damage will be reported to the NTC & Fort Irwin Safety Director as soon as reasonably possible. The unit commander and URSO will ensure that all units are trained in proper radiation accident procedures to minimize exposure to personnel and equipment and proper mishap response procedures. Units that incur radiation contamination incidents will be responsible for decontamination and clean-up costs.

g. The NTC & Fort Irwin Post Safety Office has funded and arranged for wipe test analysis in case of mishaps and URSO personnel should contact the NTC Post Safety Office to arrange for such analysis at the nearby radiation lab at the Marine Corps Logistics Base.

h. The URSO must have 24-hour access to a tactical vehicle; NVG and FM radio capability to respond to unit radiation incidents. The NTC & Fort Irwin Post Safety Office will provide the appropriate radiation incident investigation kit and proper instrumentation.

i. The URSO will not make contact off the installation regarding any type of radiation incident or mishap without coordinating with his command group, the NTC & Fort Irwin Safety Director, the NTC EOC, and the NTC command group. This will ensure coordinated and accurate reporting. This is especially applicable in relation to the Nuclear Regulatory Commission license holders and FORSCOM Radiation Safety.

j. The URSO will report to the NTC & Fort Irwin Post Safety Director upon arrival at the NTC for detailed briefings on procedures to follow and points of contact at the NTC & Fort Irwin.

**FORSCOM Regulation 350-50-1**

Office Symbol

MEMORANDUM FOR COMMANDER, NTC, ATTN: INSTALLATION RADIATION PROTECTION  
OFFICER, FORT IRWIN, CA 92310-5000

SUBJECT: Rotational Radioactive Material Movement

Pursuant to AR 385-11, Ionizing Radiation Protection Program, the following information for military movement of radioactive material from rotational home station is herewith provided:

1. Visiting Unit and UIC:
2. Purpose of radioactive material movement:
3. Estimated date of departure from NTC:
4. Origin of departure:
5. Final destination:
6. Actual date of departure:
7. Personnel responsible for radiation safety during movement (unit radiation safety officer);

NAME/RANK

PHONE

8. Visual inspection and/or luminosity check of devices containing radioactive material:

a. Prior to departure:

RESULTS

INSPECTOR NAME

DATE

b. At destination:

c. Prior to return:

9. Inventory of end items containing radioactive material:

NOMENCLATURE NSN

QTY

RADIONUCLIDE

ITEM SERIAL NO.

Unit Commander's Signature and  
Signature Block

**Figure N-1**

**APPENDIX P**

***Theater Opening Force Module (TOFM)***

**O. General**

a. The Theater Opening Force Module (TOFM) is a 14 day exercise that trains commanders, staffs, and units of Reserve Component Area and Corps Support Groups (ASG/CSG) in collective unit tasks while simultaneously supporting rotational Brigade Combat Teams (BCTs).

b. The TOFM is one component of the Theater Force Opening Package (TFOP). Other components of the TFOP may include the TSC or COSCOM Early Entry Module (EEM); an USAMC LSE; LOGCAP Contractors; an MMC; an MCT; and elements of MEDCOM, PERSCOM, TRANSCOM, and ENCOM. The TFOP supports RSO&I of US Forces at echelons above division and echelons above Corps (EAD/EAC). It begins with the strategic leg of deployment, continues through the operational employment of forces, ends with the regeneration and redeployment of forces.

c. TOFM exercises are conducted four times a year IAW FORSCOM Regulation 350-2. USAR and NGB each conduct two exercises.

d. TOFM units support RSOI by assisting rotational BCTs build combat power and support the regeneration phase of the operation.

e. TOFM units are provided feedback by Observer/Controllers. Units assigned to a TOFM will undergo extensive staff training program in preparation for the exercise. A major component of the TOFM training event is the preparation for deployment and deployment of the TOFM Task Force. TOFM units are expected to execute their deployment in the same manner and to the same standard as OCONUS deployments to a contingency theater of operations. TOFM units are in a tactical posture at all times while deployed, regardless of the mission posture of the BCT.

	UNITS	MISSION	PERS	O/C	PREPO EQP	NOTES
<b><u>Theater Opening Support Package</u></b>						
Area or Corps Spt Grp	1	Area C2	134	Limited	No	
S&S BN HQ/ CORPS SPT BN	2		112	No	No	
FWD C2		Fwd C2	56			
REAR C2		Rear C2	56			
QM (SUP) CO	1	Cls I,II,III (PACK), IV, POT WATER	125	No	No	
QM (FS) CO	1	Laundry & Bath	106	No	No	
MP CO (CBT SPT)	1	AREA/RT E SECURIT Y	50	No	No	
ORD BN (-)(MAINT)	1	C2 MAINT	48	No	No	
ORD CO (MAINT) (DS)	1	MAINT/M ST (DS)	50	No	No	
ORD PLT (AMMO)	1	CLASS V	36	No	No	
MVMNT CTRL TM (MCT)	2	MVT CTRL	7	Limited	No	
TC MED TRK (LT)	1	CARGO	24	No	No	
TC MED TRK (S&P)	1	CARGO	50	No	No	
TC MED TRK SQD (POL)	1	CLS III BULK	24	No	No	

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	<b>UNITS</b>	<b>MISSION</b>	<b>PERS</b>	<b>O/C</b>	<b>PREPO EQP</b>	<b>NOTES</b>
TC MED TRK (PLS)	1	CARGO	24	No	No	
TC HVY TRK (HET)	1	HVY CARGO	55	No	No	
INTERNAL MED SPT	1	MED OPS	18	No	No	
PUBLIC AFFAIRS (PAD)	1	PAO OPS	9	No	No	
RC OBSERVER CONTROLLER	1	O/C Spt	34	Limited	No	
AG Postal Team	1	Postal Spt	7	No	No	
Signal Platoon	1	Signal OPS	40			



**APPENDIX Q**

***Special Operations Forces (SOF)***

1. General.

Commander, USASOC, will:

a. Identify, task, fund and schedule USASOC rotational units.

b. Identify, task, and fund USASOC units to augment USASOC rotational units when units do not have sufficient assets to meet the Standard Troop List. Unit requests to exceed the Standard Troop List will be validated by SOF Plans/EMC, Operations Group NTC and approved by USASOC. Upon approval, USASOC agrees to provide the additional funding, personnel and equipment needed to support and control the increased package.

c. Submit a request to FORSCOM for conventional force augmentation to the SOF troop list NLT D-300. FORSCOM will attempt to source conventional force augmentees and provide unit designations for augmentation support to USASOC NLT the D-180 Planning Conference. USASOC funds all incremental costs associated with conventional force augmentation.

d. Authorize ammunition for USASOC units to use during training at NTC.

e. Provide transportation and operating funds for USASOC units to train at the NTC, including the LTP.

f. Within capability, provide augmentee O/Cs to fill TRADOC O/C TDA shortfalls for USASOC unit rotations.

g. Identify, task, and fund USASOC units to participate as OPFOR at outlying stations.

2. SOF participation in the NTC rotations.

a. USASOC typically conducts two SOF rotations per year at the NTC. These rotations normally involve a Special Forces Battalion, Special Operations Aviation, and other doctrinal support.

b. SOF Plans, a subordinate element of Plans EMC, JRTC, interfaces with NTC to coordinate the SOF portion of the rotation. SOF Plans establishes the Joint Special Operations Task Force (JSOTF) which replicates the SOF unit's higher headquarters during the rotation.

c. NLT D-7 (SOF STARTEX) the Special Forces Battalion will establish its Forward Operations Base (FOB) in the Southwest United States. From this base it will plan, prepare, launch, sustain, recover, and conduct post-mission activities through D+6 (SOF ENDEX).

d. Special Operations Aviation typically support the FOBs infiltrations and exfiltrations. These

aircraft can co-locate with the FOB or base elsewhere. At a minimum, the aviation element will provide a planning staff (LNOs) to the FOB.

e. The FOB will conduct at least two missions integrated into the NTC conventional maneuver area . (within the division AO). The remaining missions will be at SOF Plans selected locations throughout the Southwest United States that support the rotational unit commander's training objectives.

f. The FOB will provide a Special Operations Command and Control Element (SOCCE) to the conventional force Division TOC. This SOCCE will coordinate special operations with the conventional force. Request exceptions to this requirement through USASOC (ATTN: AOP-TRU).

g. LTP. SOCCE participation in the LTP is highly recommended to ensure integration with conventional force operations (See appendix B). Recommend the following personnel attend: SOCCE Cdr, Opns/Intel, and Commo.

3. Rotation planning.

a. SOF Plans is the single POC for all SOF units (Army, Navy, and Air Force) training at the NTC. All communications regarding rotational planning, coordination, and host nation support must be routed through SOF Plans.

b. SOF Plans and NTC Operations Group will interface to develop and support a SOF scenario that meets the SOF unit commander's training objectives and the conventional unit commander's training objectives.

c. Units training at the NTC must be force listed IAW Appendix A-12.

d. Units will follow the planning and training sequence in Appendix I. SOF Plans will develop the exercise scenario based on the SOF unit commander's training objectives and METL, provided by the unit at the D-180 Conference.

4. Logistics.

a. All logistical and host nation support will be coordinated at the D-90 Conference.

b. Live fire. Rotational units will provide medics and an ambulance for all live fire exercises.

c. Airborne Operations. Rotational units will provide the DZ party (IAW USASOC Reg 350-2) for all airborne operations.

d. Ammunition. Types and quantities of ammunition authorized for NTC, both force on force and live fire, are contained in DA Pam 350-38 (STRAC).

e. Units are responsible to coordinate for their MILES (see Appendix H). All personnel, vehicles and rotary wing aviation will have MILES installed and operational.

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### **5. Infiltration Requirements.**

Units will conduct all infiltration/exfiltration methods in accordance with the applicable USASOC and USASFC regulations. Units will rehearse all infiltration methods, except static line and military freefall (MFF) operations, while the detachments are in isolation during the rotation. Any detachment that desires to conduct a military freefall insertion will be level one qualified prior to STARTEX.

### **6. Special Forces Training Outreach Program (TOP).**

a. The TOP is a JRTC Special Operations Training Detachment (SOTD), the SOF O/C's, initiative to link lessons learned on the JRTC/NTC battlefield with a staff-training program. The program is a three day CPX for the FOB and detachments that focuses on the military decision making process (MDMP). This allows the unit to run the FOB through a final "systems" check and allow the O/Cs to provide feedback on the FOB operations prior to the rotation.

b. The mission of the TOP is to provide a vehicle to enhance the tactical decision making skills of the FOB, SOCCE, and the SFODAs. It is usually conducted after the D-90 (D-180 RC) conference. The O/Cs act as the JSOTF staff at the FOB level and battalion staff at the ODA/SOTA level. The FOB receives one TASKORD and the ODAs each receive an OPOD for planning purposes. The FOB conducts mission planning, produces a mission folder, and presents a formal Staff Mission Brief to the O/Cs acting as the ODA. The ODA/SOTA will conduct mission planning and present a formal brief back to the O/Cs acting as the battalion commander and his staff. The goal is to prepare all elements of the battalion for demanding conditions of a NTC rotation.

c. TOP training is conducted at the unit's home station by SOTD O/Cs. The following unit troop list is recommended:

#### **FOB:**

OPCEN - complete  
SIGCEN Director  
SIGCEN NCOIC  
SPTCEN Director  
SPTCEN NCOIC  
S4  
S1  
SOA LNO  
CA Team Chief  
MID Commander  
PSYOP Team Chief  
ISOFAC Commander  
MID NCOIC  
ISOFAC SGM  
SOCCE Staff

ODA (6)

SOTA (2)

d. SOTD O/Cs will require the following support:

(1) The unit will provide a room large enough to fit all the personnel participating in the TOP for initial briefings.

(2) Separate rooms or areas for the individual section question and answer period.

(3) Overhead projector.

(4) Storage/work room for TOP personnel in the same general area as the FOB.

(5) Units must request an Aviation LNO from the 160th, a Civil Affairs team leader, and a PSYOP team, as required, through USASOC. Other support requirements will be discussed prior to the TOP.

e. TOP Planning Milestones:

(1) D-90: TOP letter given to the unit at the conference.

(2) D-60: SOTD and unit finalize support requirements and dates. TOP message traffic starts.

(3) D-45: TOP personnel arrive at unit home station.

f. TOP sessions are scheduled between rotations with the SOTD S3, JRTC.

### **7. Desert Camouflage Uniform (DCU).**

SOF rotational units are authorized to wear the DCU with standard name, Army and unit patches. SOCCE personnel (including LNOs to the BDE TOC) will wear the battle dress uniform (BDU).

8. NTC Support Requirements. The following support is required from NTC to support SOF rotations. These requirements will fluctuate to some degree given specific rotational conditions. NTC will satisfy all requirements to the best of their ability.

a. JSOTF Operations Center workspace requirements:

(1) 7 workstations areas (CDR, J2, J3, J4, Message Center, Aviation, and OCCS Operator) with DSN and LAN access for each.

(2) Briefing/map area.

(3) Commercial phone access at Message Center, J3 and Aviation workstations.

(4) Fort Irwin email accounts.

(5) Latrine

b. Logistical support. SOF will coordinate all logistical requirements at D-90.

c. SOCCE (BLUFOR).

(1) Billeting for SOCCE personnel IAW SOF Troop List .

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### (2) Workspace.

- Location for SOCCE to set up outside the starwars building.

- 1 x DSN line

(3) Conduct daily coordination with the Division Staff (G2, G3 and FSO).

#### d. SOCCE (White Cell).

(1) To facilitate the SOCCE (BLUFOR) integration into the Division HQ's (starwars building), SOF Plans will provide 2 x White Cell personnel to assist in message traffic between the SOCCE and Division Staff.

(2) The White Cell will operate within the starwars building.

e. JRTC personnel billeting. JRTC SOF observer controllers and planners (approx 25) require billeting beginning o/a D-12 through D+7.

#### f. JSOTF operations.

JRTC SOF Plans conducts 24-hour JSOTF operations beginning on SOF STARTEX (D-6) through SOF ENDEX (D+6). JRTC SOF Plans personnel will occupy the JSOTF workspace approximately 5 days prior to SOF STARTEX through SOF ENDEX + 2 (D+8).

## 9. Coordination Meetings

### a. D-180 (D-360 RC) Conference.

(1) SOF Plans will visit the unit at home station NLT 180 days prior to the rotation. The purpose of this conference is to meet with the senior leadership and staff from the SOF units and provide an overview of current SOF CTC operations, and to obtain unit training objectives and input for scenario development.

(2) SOF Plans will provide the following products to the unit at the D-180 Conference: FORSCOM Reg 350-50-1, FORSCOM Reg 350-50-2, NTC EXROE, JRTC EXROE, briefing handouts, and a command briefing.

(3) The rotational SOF units will provide SOF Plans with the following information: proposed Troop Lists (IAW FORSCOM Reg 350-50-1), proposed task organization, TACSOPs, unit METL, exercise training objectives, number and type of live fires desired, UBLs, proposed communications plan with the JSOTF, and names, addresses (with building numbers) and phone numbers of all key personnel.

(4) At the conclusion of the conference, SOF Plans and rotational unit will:

(a) Lock in dates for the D-90 Conference. (Location will be wherever the SF Battalion will establish the FOB.)

(b) Coordinate and sign D-180 Conference working notes documenting decisions and agreements. SOF Plans will publish final conference

notes NLT five days after conclusion of the conference.

(5) The host unit will provide the following facilities and equipment: conference room (minimum capacity 30) with computer, projector, and screen; access to a printer and copier until working notes are completed.

(6) The final conference schedule will be published by SOF Plans NLT two weeks prior to the D-180. Host unit will provide SOF Plans the location (with building number) and directions at the USASOC D-210 Conference. Tentative timeline for events:

0900-0945 Opening Comments/CTC Brief  
(Chief SOF Plans/Plans Team  
Leader)  
0945-1000 SOF Live Fire Brief (SOF Live  
Fire Rep)  
1000-1045 SF BN METL, Commander  
Training Objective/LFX/Scenario  
Desires (Bn CDR/S3)  
1045-1100 SOA METL Training Objectives/-  
LFX (SOA Rep)  
1100-1230 Break/Move into Working Groups:  
(Maneuver POCs) - Finalize Troop  
Lists/Identify Issues (CA/PSYOPS)  
(Chief, SOF Plans) - Meet with BN  
Cdr/S3  
1230-1330 Lunch  
1330-1430 Consolidate All Groups'  
Issues/Review Issues  
1430-1530 Brief Consolidated Issues Slides to  
BN Commander (SOF Planner)  
1530-1600 Additional Comments/Issues  
Wrap-up (Chief, SOF Plans)  
1600-UTC Draft and Sign D-180 Notes

b. D-90 (D-180 RC) Logistics and Operations Planning Conference.

(1) Units will attend a D-90 Conference at the rotational unit's FOB location to provide essential information from which operational, logistical and deployment plans can be finalized. For this conference to be successful, unit representatives must be authorized to make binding decisions and commitments. SOF Plans recommends the following personnel attend:

- (a) SF Bn S-3/S-4/CESO
- (b) SOA S-3/S-4 reps
- (c) NSWG N3/N4 reps
- (d) Support unit reps (SOSCOM)
- (e) CA and PSYOP S-3 Reps

(2) Units may send additional personnel based on the specifics of the rotation, but attendance at this conference is limited to key planners. Units are

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responsible for funding and coordinating travel and billeting.

(3) The objectives for this conference are: review the troop list; review vehicle and equipment density list; review O/C augmentee requirements and training requirements; coordinate LFX requirements; review CEOI requirements and communications support; coordinate deployment support and time line; review procedures for requesting classes of supply; understand and coordinate local service support capabilities; coordinate with DOL; recon and coordinate billeting sites; review Class V requirements and documents at the ASP; finalize Support MSA; and review post restrictions and clearance requirements.

(4) By the end of the D-90 Conference, the units will provide SOF Plans in writing:

(a) Tentative rotational timeline.

(b) FORSCOM-approved Troop List and vehicle/equipment density lists.

(5) SOF Plans will provide:

(a) Any changes to FORSCOM Reg 350-50-1/2 since D-180 Conference.

(b) Initial rotational deliverable products (area study).

(6) SOF Plans will host the D-90 Conference. They will coordinate for a briefing room (minimum capacity 30), with computer, projector, screen, and copier use.

(7) SOF Plans will finalize the conference agenda NLT two weeks prior to the D-90. They will notify all participants of the location (with building and room number).

### 10. Force Protection.

a. The rotational unit should include a paragraph 6 in all unit OPORDS, warning orders and FRAGOs entitled Force Protection, which includes specific safety requirements for the upcoming mission. This also may be accomplished by incorporating force protection into all appropriate paragraphs and annexes. Risk assessments should be updated as the mission changes. All rotational units will prepare a risk assessment for all operations.

b. All units will prepare their base defense against a Level I threat. (See AR 525-13, Force Protection.)

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### **GLOSSARY**

<b>52d ID</b>	Notional Training Division Used At Fort Irwin	<b>CSB</b>	Corps Support Battalion
<b>AAR</b>	After Action Review	<b>CSE</b>	Combat Support Engineer Platoon
<b>AC</b>	Active Component	<b>CSG</b>	Corps Support Group
<b>ACR</b>	Armored Cavalry Regiment	<b>CSS</b>	Combat Service Support
<b>ADA</b>	Air Defense Artillery	<b>CTC</b>	Combat Training Centers
<b>AGES</b>	Air Ground Engagement System	<b>DLR</b>	Depot Level Repairable
<b>ALO</b>	Air Liaison Office	<b>DRM</b>	Director Resource Management
<b>AMDF</b>	Army Master Data File	<b>DODAAC</b>	Department of Defense Activity Accounting Code
<b>ARNG</b>	Army Reserve National Guard	<b>DOIM</b>	Director of Information Management
<b>ASG</b>	Area Support Group	<b>DSA</b>	Divisional Support Activity
<b>ASL</b>	Authorized Supply Listing	<b>DTOC</b>	Division Tactical Operations Center
<b>ASP</b>	Ammunition Supply Point	<b>EAB</b>	Echelon above Brigade
<b>ATCS</b>	Air Traffic Control Systems	<b>EAD</b>	Echelon above Division
<b>ATS</b>	Air Traffic Services	<b>eSB</b>	National Guard enhanced Separate Brigade
<b>AWR</b>	Army War Reserve	<b>EN</b>	Engineer
<b>BCTP</b>	Battle Command Training Program	<b>EOC</b>	Emergency Operations Center
<b>BCGST</b>	Bradley Crew Gunnery Skills Test	<b>EOD</b>	Explosive Ordnance Detachment
<b>BDU</b>	Battle Dress Uniform	<b>EPLRS</b>	Enhanced Position Location Relay System
<b>BSA</b>	Brigade Support Area	<b>FFT</b>	Force on Force Training
<b>BSFV</b>	Bradley Stinger Fighting Vehicle	<b>FM</b>	Field Manual
<b>CA</b>	Civil Affairs	<b>FMC</b>	Fully Mission Capable
<b>CALL</b>	Center for Army Lessons Learned	<b>FORSCOM</b>	Forces Command
<b>CIF</b>	Central Issue Facility	<b>FRAGO</b>	Frag Order
<b>CLNWTC</b>	China Lake Naval Weapons Test Center	<b>GIOT</b>	Government Impact Overtime hours
<b>CONUS</b>	Continental United States	<b>GS</b>	Government Service
<b>CS</b>	Combat Support		

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<b>GS</b>	General Support	<b>NBC</b>	Nuclear Biological Chemical
<b>HET</b>	Heavy Equipment Transporter	<b>NGB</b>	National Guard Bureau
<b>HL</b>	Heavy Light (Heavy Mech/Armor and Light Infantry)	<b>NMC</b>	Not Mission Capable
<b>HQDA</b>	Headquarters, Department of the Army	<b>NTC</b>	National Training Center
<b>IAW</b>	In Accordance With	<b>NVG</b>	Night Vision Goggles, also known as NODs (Night Observation Device)
<b>ITO</b>	Installation Transportation Office	<b>OAU</b>	Opposing Force (OPFOR) Augmentation Unit
<b>JANUS</b>	Battle focused simulation trainer	<b>OC</b>	Observer Controller
<b>JCS</b>	Joint Chief of Staff	<b>OCA</b>	Observer Controller Academy
<b>LAO</b>	Logistics Assistance Office	<b>OIC</b>	Officer In Charge
<b>LFT</b>	Live Fire Training	<b>OMA</b>	Operations Maintenance – Army, funding code
<b>LSRD</b>	Long Range Surveillance Recon Detachment	<b>OPFOR</b>	Opposing Force
<b>LTP</b>	Leader Trainer Program	<b>OPTEMPO</b>	Operational Tempo
<b>MACOM</b>	Major Army Command	<b>PADs</b>	Public Affairs Detachment
<b>MCC</b>	Movement Control Center	<b>PAO</b>	Public Affairs Office
<b>MCLB</b>	Marine Corp Logistics Base, Barstow CA	<b>PEAL</b>	Prepositioned Equipment Authorization List
<b>METL</b>	Mission Essential Task List	<b>PERSTEMPO</b>	Personnel Tempo
<b>MILES</b>	Multi Integrated Laser Engagement System	<b>PLL</b>	Prescribed Load Listing
<b>MIPR</b>	Military Interdepartmental Purchase Request	<b>PMCS</b>	Preventative Maintenance, Checks and Services
<b>MTS</b>	Mobile Independent Target System	<b>PREGO</b>	Present Geographic Location Code
<b>MMC</b>	Material Management Command	<b>PREPO</b>	Prepositioned Fleet, pertains to NTCs AWR like, brigade training set of vehicles
<b>MRR</b>	Motorized Rifle Regiment	<b>RC</b>	Reserve Component
<b>MSB</b>	Main Support Battalion	<b>ROE</b>	Rules of Engagement
<b>MSMC</b>	Main Support Medical Company	<b>RSO</b>	Rotational Safety Officer
<b>MTOE</b>	Modified Table of Equipment		
<b>NAP</b>	Not Authorized Prepositioned		

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<b>RSO&amp;I</b>	Reception, Staging, Onward Movement and Integration	<b>TCGST</b>	Tank Crew Gunnery Skills Test
<b>RUBA</b>	Rotational Unit Bivouac Area	<b>TDA</b>	Table of Distribution and Allowances
<b>RUFMA</b>	Rotational Unit Field Maintenance Area	<b>TDMP</b>	Tactical Decision Making Process
<b>SARSS-O</b>	Standard Army Retail Supply System - Organizational	<b>TF</b>	Task Force
<b>SCIA</b>	Southern California International Airport (old George AFB)	<b>TISA</b>	Troop Issue Subsistence Activity
<b>SFDLRs</b>	Stock Fund Depot Level Repairables	<b>TOC</b>	Tactical Operations Center
<b>SOI</b>	Signal Operating Instructions	<b>TRADOC</b>	Training and Doctrine Command
<b>SOP</b>	Standard Operating Procedure	<b>TSC</b>	Theater Support Command also Training Support Center
<b>SORTS</b>	Status of Resources and Training System	<b>TSD</b>	Training Support Division
<b>SRC</b>	Standard Requirements Code	<b>UAV</b>	Unmanned Aerial Vehicle
<b>STAMIS</b>	Standard Army Maintenance Information System	<b>UCMJ</b>	Uniformed Code of Military Justice
<b>STANFINS</b>	Standard Army Finance System	<b>UGR</b>	Unitized Group Rations
<b>STRAC</b>	Standards in Army Commission (Ammunition Allocation Regulation)	<b>USACOM</b>	United States Atlantic Command
<b>TACSAT</b>	Tactical Satellite Transmitter	<b>USASOC</b>	United States Army Special Operations Command
<b>TAF</b>	Tactical Analysis Facility	<b>USARC</b>	United States Army Reserve Command
<b>TAM</b>	Training Analysis Model	<b>ULLS</b>	Unit Level Logistics System (-G – Ground, - A – Air)
<b>TAT</b>	To Accompany Troops	<b>UXO</b>	Unexploded Ordinance
<b>TC / BC</b>	Tank Commander / Bradley Commander	<b>WARNO</b>	Warning Order
		<b>WG</b>	Wage Grade