

Construction

ARMY NATIONAL GUARD FACILITIES CONSTRUCTION

**Summary.** This regulation establishes policy concerning buildings and supporting items used for programming the construction of Army National Guard armory, logistic, aviation, and training facilities supportable with Federal funds.

**Applicability.** This regulation applies only to the Army National Guard (ARNG).

**Impact on New Manning System.** This regulation does not contain information that affects the New Manning System.

**Supplementation.** Supplementation of this regulation is prohibited without prior approval from Chief, National Guard Bureau, Washington, DC 20310-2500.

**Internal Control System.** This regulation is subject to the requirements of AR 11-2 (Internal Management Control). It contains internal control provisions but does not contain checklists for conducting internal control reviews. These checklists are contained in NGR (AR) 415-5 (Construction, Military Construction Army National Guard (MCARNG) Project Development).

**Interim Changes.** Interim changes are not official unless authenticated by the Chief, Administrative Services. Interim changes will be destroyed on the expiration date unless sooner superseded or rescinded.

**Suggested Improvements.** Users of this regulation are encouraged to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to NGB-AEN, Arlington, VA 22204-1382.

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\*This regulation supersedes NGR (AR) 415-10, 27 April 1990

## Chapter 1 General

### 1-1. Purpose

This regulation establishes allowances for activities eligible for support through Federal contracts or by contribution to States, either totally or in part, from Federal construction funds administered by the Chief, National Guard Bureau. Other facilities required on an infrequent basis, and for which allowances are not specifically provided here, will be established by allowances for similar facilities, but adjusted according to actual mission requirements.

### 1-2. References

Required and related publications are listed in appendix A.

### 1-3. Explanation of abbreviations and terms

Abbreviations and special terms used in this regulation are explained in the glossary.

### 1-4. Responsibilities

The Chief, National Guard Bureau (CNGB) establishes Army National Guard (ARNG) type facilities and facility allowances used by the National Guard of the 50 States, District of Columbia, and three possessions to program for funds to construct justified armory, logistic, aviation, and training facilities.

### 1-5. Policy

National Guard Bureau (NGB) policy regarding types of facilities, materials, installed equipment, and space authorizations eligible for Federal support in ARNG construction projects is as follows:

**a. Armory, Logistic, and Training Facilities.** Only those facilities specified in this regulation are authorized for construction with Federal funds, unless a waiver granting an exception to these allowances is obtained (specific justification is required for each proposed facility). Specific design/construction criteria guidance set forth in NG Pam (AR) 415-12, in Design Guides DG 415-1, DG 415-2, and DG 415-3, apply for all projects located on Federal property and, except where contravened by State or local requirements, for all projects located on property under control of the State. Where specific guidance is not contained in NG Pam (AR) 415-12 or design guides, the DOD Criteria Manual will apply.

**b. Federal Support.** To qualify for Federal support, materials and equipment incorporated, "built-in", or installed within an ARNG construction project will not exceed the standards set forth in NG Pam (AR) 415-12 and references. These standards are prescribed on the basis of providing an economically functional and durable facility that will adequately serve the ARNG with relatively low utility and maintenance costs.

**c. Space and Materials Criteria.** Space and materials criteria in references and as established in NG Pam (AR) 415-12 are to be considered maximum

allowable (unless otherwise indicated) for use in determining Federal contributions toward construction costs. Use of full maximum allowances is permissible rather than mandatory since local conditions may warrant the construction of smaller, less expensive facilities.

**d. Deviation from Allowances.** Deviation from allowances and criteria established by this regulation and references may be authorized, provided:

(1) The Federal cost of construction is not increased by the deviation from the standard; or,

(2) Items that exceed stated criteria have been requested and approved as "Exceptions to Criteria" on DD Forms 1390/1391 or by memorandum.

**e. Non-Federal Funds.** This regulation does not preclude the use of non-Federal funds to provide additional space or to provide materials, equipment or features of higher quality than stipulated, provided, however, for logistic and training facilities, that operation and maintenance costs are not increased by inclusion of the feature in question. However, the cost of such space or improvements must be determined as required in NGR (AR) 415-5, NG Pam (AR) 415-12 and DG 415-1, 2, 3 or 4.

**f. Federal Regulation Compliance.** Federal funds will be used to support requirements of Environmental Protection Agency and Occupational Safety and Health Act regulations, Americans with Disabilities Act and other Code of Federal Regulations or United States Codes.

**g. Code Compliance.** Compliance with standards established in codes required by State law and/or National Fire Protection Association (NFPA) will be supported with Federal funding. The most stringent code will govern.

**h. Storage.** Facilities will include adequate space for storage of equipment in the proper locations (Home Station, Mobilization Station, Central Storage, etc.).

**i. Basis for Construction.** Allowances established in this regulation and references will be used as the basis for construction of new facilities and for modification or expansion of existing facilities. Changes, exceptions, or additional features will be considered only when essential to facility operation. Modification to an existing structure is authorized when the building is structurally sound and suitable, the cost of modification is substantially less than the total project cost of new construction, and estimated maintenance and utility costs are not excessive. Each proposal for modification of an existing structure will be supported by a feasibility study, including a locally generated economic analysis.

## Chapter 2 Armory Projects

### 2-1. Space Allowances

NG Pam (AR) 415-12 provides space allowances for determining the size of an armory.

### 2-2. Building Size

*a.* Armory capacity will be based upon total strengths of all units programmed for assignment at the facility that require concurrent IDT drill. Special teams attached for administration and training will be included in this strength. A Troop Command will be treated as a separate unit, even if collocated with the STARC.

*b.* TOE/TDA units with required strengths of less than 55 are not authorized a separate facility and must be programmed as part of a multiple-unit armory, unless approved as an exception to criteria. Exclusive use space for such units will be according to NG Pam (AR) 415-12.

*c.* When an armory is constructed as a joint-use facility with another reserve component, the armory size classification will be based on the larger of either the total strength of all ARNG units or the total strength of the units of the other component, but not on the combined strength of both reserve components. A joint-use facility will be known as a "United States Armed Forces Reserve Center" (AFRC).

*d.* In an AFRC, the following functional areas are classified as joint-use areas and the sharing of construction costs will be based upon the ratio of the total ARNG personnel strength to the strength of the other reserve component(s) which will utilize the facility: Assembly Hall, Rifle Range, classrooms, Food Preparation Area, Scullery Area, toilets/showers, and Mechanical/Electrical/Telephone Equipment Room. The remaining functional areas of NG Pam (AR) 415-12 Schedule I and areas determined from Schedule II are classified as sole-use; each reserve component will support 100 percent of the cost of construction of all functional areas for which it is solely responsible. Respective shares of costs for the building, apportioned between the reserve components, are to be based on the proportion of the total area (including circulation, corridors and stairwells, but excluding partitions and walls), and the sum of both sole-use and the calculated share of joint-use for each reserve component. Outside support facilities, including site preparation, utilities, walks, pavements, etc., (except those specifically designated as sole-use, such as military vehicle parking, fuel dispensing system, etc.), are classified as joint-use facilities and costs for each will be supported at the same ratio as derived for respective shares of costs for the building. The ARNG share of the total project cost will be supported with 100 percent Federal MCARNG funds.

## Chapter 3 Logistic Facilities

### 3-1. Standards

This chapter establishes the policy for ARNG logistic facility construction projects. Logistic facility construction costs are supported 100 percent by Federal funds when such projects conform to the construction and space criteria established by this regulation and references.

### 3-2. USPFO Offices and Warehouses

*a. Administrative.* Net authorized office space will be determined using NG Pam (AR) 415-12. The total number of employees used for space programming may include State-paid USPFO employees. Space programmed for these employees may not exceed 10 percent of those employees paid from Federal funds. The following personnel will not be included as office employees: the Warehouse Supervisor, storekeepers, material handlers, warehouse supply technicians, warehouse supply clerks, truck drivers, ADP operators, AUTODIN and communication center operators, verifier operators, and the Facilities Management Officer. Wherever possible, administrative space will be open with only the minimum essential number of separate offices constructed. To the maximum practical extent, offices will be joint use, with the number of exclusive offices being kept to the minimum.

*b. Supporting Space.* Space may be provided for ADP, telecommunications center and physical fitness areas in accordance with allowances found in NG Pam (AR) 415-12.

*c. Warehousing.* Net warehousing space, which includes flammable materials storage (FMS), will be according to NG Pam (AR) 415-12. Space for vaults, lockers, SSSC, latrines, offices, and break area is included in the warehousing allowance.

### 3-3. Surface Equipment Maintenance Facilities

*a. General.* Maintenance facilities for surface equipment fall into five categories: Organizational Maintenance Shop (OMS), Unit Training Equipment Site (UTES); Collocated Mobilization and Training Equipment Site; Non-collocated Mobilization and Training Equipment Site (MATES); and Combined Support Maintenance Shop (CSMS). The requirement and type of maintenance performed by these facilities are:

(1) *OMS or Sub-shop (OMSS).* An OMS or OMSS may be collocated with an armory or may be centrally located to support one or more armories. Each shop is authorized space in which to perform organizational level maintenance on all vehicles and equipment authorized by TOE/TDA for the supported units, except those vehicles and equipment located at a MATES or UTES.

(2) **UTES.** An approved UTES facility may be provided for maintenance and repair of heavy vehicles and equipment. UTES are authorized space for organizational level maintenance of training vehicles and equipment authorized at the training site.

(3) **Collocated MATES.** An approved MATES facility may be provided for maintenance and repair of heavy vehicles and equipment. A collocated MATES is located at the same site as a CSMS and is dependent upon the CSMS for support level maintenance. It is authorized space for organizational level maintenance of the training vehicles and equipment authorized at the training site.

(4) **MATES.** An approved MATES may be provided for maintenance and repair of heavy vehicles and equipment. A MATES that is located remotely from a CSMS is authorized space for both organizational and support level maintenance of training vehicles and equipment authorized at the training site.

(5) **CSMS.** A CSMS is authorized for direct support maintenance of the military vehicles and equipment authorized to a state. A CSMS is authorized space for support level maintenance of all vehicles and equipment except that which receives this level of maintenance at a MATES with a support mission or at another CSMS authorized to the State.

**b. Space allowances for Maintenance Shops.** The space allowance for surface equipment maintenance facilities is contained in NG Pam (AR) 415-12.

(1) **Office, work, and personnel areas.** The size of authorized functional areas varies as to the type and size of the maintenance facility. Many area sizes are determined by the sum of a basic allowance plus an area (listed under the type of facility) that varies in accordance with the number of general maintenance workbays authorized for the shop, Federal technicians required at the facility, total troop strength supported by the shop, or the number of combat vehicles authorized at the shop.

(2) **Military vehicle storage area.** Parking is authorized for all vehicles, trailers, equipment, etc., assigned to the UTES and MATES. Parking is also authorized at the OMS, MATES and CSMS for a portion of the vehicles, trailers, equipment, etc., authorized to receive maintenance but not permanently located at the facility.

### 3-4. Direct Support Logistic Facilities

**a. Permanent non-armory facilities** are authorized for direct support logistical operations where the systems have been authorized by NGB and implemented by the State. Allowances outlined in NG Pam (AR) 415-12 are based on requirements of a system utilizing the DAS-4 or TACCS computer.

**b. Space allowances for various functional areas** for storage of serviceable and unserviceable Class IX and types of systems are as shown in NG Pam (AR) 415-12.

**c. Specified allowances** are maximum without an exception to criteria. Each facility should be tailored to actual needs.

### 3-5. Unheated Enclosed or Shed-Type Vehicle Storage Space

**a. Federal support** for enclosed or shed-type storage is authorized for military motor vehicles authorized at armories, UTES, and MATES in locations that meet one of the following criteria:

(1) The heating design temperature, as determined from the 97 1/2 percent column in TM 5-785 (Engineering Weather Data), is minus (-) 10 degrees Fahrenheit DB, or lower; or

(2) The annual snowfall exceeds 30 inches; or

(3) There is an extremely corrosive atmosphere (this condition must be documented).

**b. The number of military motor vehicles for which covered/ enclosed storage space may be provided will not exceed allowances provided by the applicable TOE and/or TDA, less those vehicles located elsewhere. When enclosed or shed-type storage is provided, the amount of paved area (authorized for parking of military vehicles at the site) will be reduced by the area of the covered space.**

### 3-6. Special Purpose Facilities

**a. General.** Special purpose facilities will be authorized to support requirements of specific mission-related systems developed or created as part of force modernization activities. When so created, special purpose facilities space allowances will be added to NG Pam (AR) 415-12 and appropriate design guide(s).

#### **b. Firefinder Radar (AN/TPQ-36/37) Facilities.**

(1) **General.** A training and maintenance facility is authorized for units equipped with Firefinder Radar Sets. A firefinder radar set is either the XM1048, AN/TPQ-36 and the S250, or the XM1048, AN/TPQ-37, and the S250.

(2) **Location.** This facility may be located either at a surface equipment maintenance facility or at an armory, whichever is the most cost effective and practical, but not at both. It should generally be located within a military vehicle parking area or adjacent to some other paved area.

(3) **Facility.** For detailed design guidance for this facility, refer to DG 415-2.

## Chapter 4 Army Aviation Facilities

### 4-1. General

**a. Space Allowances.** Size of the aviation facility will be based on net areas derived from NG Pam (AR) 415-12.

**b. Planning.** TM 5-803-4 (Planning of Army Aviation Facilities), TM 5-803-7 (Airfield and Heliport Planning Criteria), and TM 5-811-5 (Army Aviation Lighting) should be used as the basis for layout and design of both new facilities and modification or expansion of existing facilities, except where there is a conflict between these manuals and FAA criteria (when the facility is a tenant at a commercial airfield), provisions of this or other NGB publications, or the requirements of an applicable state code. Layout and location of supporting facilities will conform to safety clearances prescribed by TM 5-803-4.

**c. Funding.** Space for AASF or LAASF projects will be 100 percent Federally funded, provided they are within authorized criteria. Any additional space required for unit training will be in accordance with armory construction criteria with funding computed on the basis of 75 percent Federal and 25 percent State, and listed separately for programming purposes on another set of DD Forms 1390/1391.

**4-2. Army Aviation Support Facility (AASF).** An AASF performs backup Aviation Unit Maintenance I (AVUMI) and limited Aviation Intermediate Maintenance (AVIM) (that portion of maintenance classed as Direct Support (DS) except as modified by CNGB). Maintenance and modification of ARNG aviation equipment may be provided at an airfield within the state for operation and logistical support of 8 or more ARNG aircraft. The method used to arrive at space allowances for the aircraft maintenance portion of an AASF including support shops is based on the number of TOE and TDA authorized aircraft. Administrative and personnel oriented areas of an AASF are based on the number of technicians and aircrew members authorized by TOE/TDA and the number of non-crewmember technicians on flying status.

**4-3. Limited Army Aviation Support Facility (LAASF)**

A LAASF to provide operational and logistical support for 8 or more aircraft may be authorized within a state when geographical, operational and training considerations make centralization of operations at an AASF unfeasible. Authorization for a LAASF will be based on a NGB-AVN approved aviation stationing plan. A LAASF performs backup AVUM I and limited AVUM II maintenance as well as modification of supported aircraft and allied equipment consistent with authorizations of personnel and equipment. Space allowances for a LAASF is as computed for an AASF, based on "authorized aircraft" but reduced consistent with the degree of maintenance performed.

**4-4. Army Aviation Operating Facility (AAOF).** An AAOF to support an operational and logistical requirement at a location must be justified as an exception to criteria. This facility generally supports less than 8 aircraft.

**4-5. Combination Armory and AASF or LAASF**  
Where a requirement exists for an armory to house an aviation company or comparable aircraft maintenance

unit, the armory project requirement will be submitted and programmed under the respective military construction program as a combination project with the required logistic facility project and may be designed as a single structure. The hangar floor (100 percent Federal funding) may serve as the armory assembly hall in order to use common features and reduce construction cost; or, if required, a separate assembly hall may be constructed on the basis of 75 percent Federal and 25 percent State funding. Separate sets of DD Forms 1390/1391 will be submitted showing armory and aviation facility functional areas with separate funding.

## Chapter 5 Training Site Facilities

### 5-1. Major Training Areas (MTA)

**a. General.** Facilities for training sites designated as major training areas (MTA) by NGB-ARO are based on the need to accommodate ARNG troops during AT and IDT. Required housing, operational, training, administrative, logistical, roads, utilities, and like facilities shall be based on authorized troop load. Detailed guidance regarding construction allowances and standards is in NG Pam 415-12 and DG 415-3.

**b. Space Allowances.** Space allowances for MTA facilities is authorized as outlined in NG Pam (AR) 415-12 in accordance with the approved MTA Master Plan. Facilities not listed may be authorized when justified on an individual basis as an exception.

### 5-2. Local Training Areas (LTA)

**a. General.** For those training sites designated as local training areas (LTA) by NGB-ARO, where cantonment-type construction is not justified, facilities may be of a type consistent with training in a field environment. Construction may be semi-permanent and shall comply with environmental and pollution control regulations. Temporary construction is authorized for facilities such as field kitchens, mess shelters, tent pads, and logistical facilities. Ranges and training courses may be authorized when justified. Installation of utilities, construction of roads, security fencing, fuel dispensing systems, and other like projects will be considered on an individual basis when justified. A Master Plan for the LTA must be approved by the Chief, National Guard Bureau, before any construction using Federal funds will be programmed. Detailed guidance regarding construction allowances and standards is in NG Pam (AR) 415-12 and DG 415-4.

**b. Support Facilities.** Pads for field kitchens, mess shelters, latrines and wash platforms are authorized.

### 5-3. Educational Facilities

Federal support is authorized for construction of:

**a. Military academies.** Classroom facilities are used in conjunction with Army National Guard Officer Candidate, NCO and soldier schools. Space authorizations will be based on a detailed study encompass-

ing curricula, student load, number of staff offices, number of administrative personnel, schedules, security, instructional equipment, operational storage requirements, latrine space, and other pertinent aspects, as noted in NG Pam (AR) 415-12. Supporting facilities, such as billeting and dining facilities will follow space allowances provided in NG Pam (AR) 415-12 and design and construction guidance in DG 415-4.

**b. Regional Training Centers.** Space authorizations will be established on a case-by-case basis, using general guidelines set forth herein, and based on the particular situation (length of training cycle, grade and pay status of students, availability of collocated dining facilities and instructor/staff housing, need for logistical support, etc.).

## Appendix A References

### Section I Required Publications

**NGR (AR) 415-5**  
Construction, Military Construction, Army National Guard (MCARNG) Program Development

**NG Pam (AR) 415-12**  
Army National Guard Facilities Allowances

**DG 415-1**  
Design Guide for Armories

**DG 415-2**  
Design Guide for Logistic Facilities

**DG 415-3**  
Design Guide for Aviation Facilities

**DG 415-4**  
Design Guide for Training Site Facilities

**TM 5-785**  
Engineering Weather Data

**TM 5-803-4**  
Planning of Army Aviation Facilities

**TM 5-811-5**  
Army Aviation Lighting

### Section II Related Publications

*(A related publication is merely a source of additional information. The user does not have to read it to understand this regulation.)*

**AR 18-7**  
Army, Automatic Data Processing Activity Management, Procedures, and Standards

**AR 190-51**  
Security of Army Property at Unit Installation Level

**AR 200-1**  
Environmental Quality Environment Protection and Enhancement

**AR 200-2**  
Environmental Quality, Environment Effects of Army Actions

**AR 381-14**  
Counterintelligence Technical Surveillance and Counter-measures

**DOD Instruction 1225.7**  
Reserve Component Facilities Programs and Unit Stationing

**JCS Pub 22**  
Worldwide Military Command and Control System (WWMCCS) ADP System Security (WASS) Manual

**NGR (AR) 190-11**  
Physical Security

**NGR (AR) 25-5**  
Training, Army National Guard Training Areas

**Title 10, USC, Sections 2231-2238**

**TM 5-803-7**  
Airfield and Heliport Planning Criteria

## GLOSSARY

### Section I Abbreviations

**AAOF**  
Army Aviation Operating Facility

**AASF**  
Army Aviation Support Facility

**ADP**  
Automatic Data Processing

**ARNG**  
Army National Guard

**AT**  
Annual Training

**AVIM**  
Aviation Intermediate Maintenance

**AVUMI**  
Aviation Unit Maintenance I

**CNGB**  
Chief, National Guard Bureau

**CSMS**

Combined Support Maintenance Shop

**CWHF**

Controlled Waste Handling Facility

**DS**

Direct support

**FAA**

Federal Aviation Administration

**FMS**

Flammable materials storage

**IDT**

Inactive Duty for Training

**LAASF**

Limited Army Aviation Support Facility

**LTA**

Local Training Area

**MATES**

Mobilization and Training Equipment Site

**MCARNG**

Military Construction Army National Guard

**MILCON**

Military Construction

**MTA**

Major Training Area

**MTOE**

Modified Table of Equipment

**NFPA**

National Fire Protection Association

**OMS**

Organizational Maintenance Shop

**OMSS**

Organizational Maintenance Sub-Shop

**STARC**

State Area Command

**TOE**

Table of Equipment

**TDA**

Table of Distribution/Allowances

**USPFO**

United States Property and Fiscal Office

**UTES**

Unit Training Equipment Site

**Section II  
Terms****Armed Forces Reserve Center**

A structure that houses one or more units of the ARNG and one or more units of the Army, Navy, Air Force, Marine Corps, or Coast Guard Reserves.

**Armory**

A structure that houses one or more units of the ARNG, used for home station training and administering of those units. Includes adjacent or supporting structures used for unit training and administration.

**Armory Construction**

Armory construction includes the acquisition, construction, expansion, rehabilitation, and conversion of facilities for the administration and training of units of the ARNG. This includes storage facilities either as an integral part of the armory building or as a separate structure to accommodate storage of material authorized for issuance to units housed in the armory.

**Army National Guard Approved Range**

A firing range that has been inspected, evaluated, and approved by the Chief, Army National Guard Bureau, or his designated representative.

**Collocated Facilities**

ARNG facilities are considered to be collocated if they have at least one adjacent land-use area boundary in common or are separated only by the width of the vehicle throughfare

**Combat Vehicle**

For the purpose of this regulation, the term combat vehicle includes tanks, armored personnel carriers, tracked command and reconnaissance vehicles, combat engineer vehicles, self-propelled artillery, tank retrievers and other like type vehicles.

**Construction**

The erection, installation, or assembly of a new facility; the addition, expansion, extension, alteration, conversion, rehabilitation, restoration, or replacement of an existing facility; or the relocation of a facility from one location to another. This includes equipment installed and made a part of such facility and related site preparation, excavation, filling, and landscaping or other land improvements. For approval purposes, cost of such a project include all Federal funded costs (as defined in NGR (AR) 415-5), required for project completion.

**Facilities**

Facilities include any interest in land and/or armory or other type structures including storage buildings, together with any supporting improvements, normally needed for proper development, training, operation, and maintenance of the ARNG units.

**Federal Funds**

The terms "Federal funds" or "Federal costs" refer to funds appropriated for the Army National Guard Military Construction (MCARNG) program and do not include other types of appropriations, i.e., operation/maintenance, logistic, funds from other reserve components, funds from other Federal agencies, etc.

**General Maintenance Workbay**

Includes organization and support workbays, but excludes special purpose workbays.

**Hardstand**

This is an area constructed of crushed stone, gravel, slag, shale, or similar materials. These materials are shaped and compacted into position without the use of binder materials.

**Installation**

A fixed location with its land, buildings, structures, utilities, and improvements thereon.

**Life Cycle Cost Analysis**

An analysis of the economic feasibility of a feature or system which results in a determination as to whether any increase in initial construction cost due to inclusion of the feature or system would be recouped during its lifetime by decreases in operating and/or maintenance costs, when calculated in discounted dollars and using documentable current local fuel cost and escalation forecasts as prepared by the Office of the Secretary of Defense.

**List of Supported Facilities**

A list of facilities approved by NGB and supported under the National Guard Master Cooperative Agreement and Appendices.

**Logistical Facilities**

Includes all Surface Equipment Maintenance Repair Facilities, USPF Offices and Warehouses, Army Aviation Facilities, Direct Support Logistic (DLOG) Facilities

and Unheated Enclosed or Shed-type Vehicle Storage Facilities.

**Military Vehicles**

Motorized or towed vehicles, wheeled or track, authorized to units by TOE, MTOE, or TDA.

**Modernized Aircraft**

Rotary winged based on a UH-60 or AH-64 airframe or later model.

**Motor Vehicle**

Self-propelled military equipment, including amphibious equipment, classed as 1/4-ton or over in size.

**Nonarmory Facilities**

Logistic aviation, and training facilities listed in this regulation.

**Other Terms**

For other terms used in this regulation, but not explained in this paragraph, refer to NGR (AR) 415-5, Glossary.

**Real Property Facility**

A separate and individual building, structure, utility system, or other improvement.

**Replacement**

Reconstruction of a real property facility destroyed or damaged beyond the point at which it may be economically repaired. Complete replacement is classified as construction.

**Required Strength**

The number of personnel stated in the TOE/TDA.

**Special Purpose Workbay**

Includes all workbays except organizational and support workbays. Examples are: Welding/ Body Shop Bay, Warm-up Bay, Wash Bay, Paint Shop, Lube Bay Trans/ Powerpack Bay, Tire Bay, and Electronic Bay.

By Order of the Secretary of the Army:

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