Headquarters, Department of the Army, Office of the Assistant Chief of Staff for Installation Management

Philip R. Columbus,
General Engineer,
Facilities Policy Division
Operations Directorate
Office of the Assistant Chief of Staff for Installation Management
Order of Presentation

Strategic Context

Army Facilities Standardization Committee
  Facility Standards Group
  Technology Standards Group

Army Standards, Army Standard Designs
“As we look to the future, the uncertainty and complexity of the global security environment demands vigilance. In these challenging economic times, America’s Army will join Department of Defense efforts to maximize efficiency by identifying and eliminating redundant, obsolete or unnecessary programs, responsibly reducing end-strength and by evolving our global posture to meet future security challenges..”

General Raymond T. Odierno
Chief of Staff of the Army
17 February 2012

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UFC 1-200-02 HIGH PERFORMANCE AND SUSTAINABLE BUILDING REQUIREMENTS

- Effective Date: 1 March 2013
  - Note: Supersedes ECB 2011-1 (Retracted) and UFC 4-030-01, Energy Conservation
- Adoption of ASHRAE 189.1
- LEED v3 (Potentially LEED v4)
- Increased 'day-lighting' (75% of critical spaces)
- Increased Insulation Thickness
- Eliminate Thermal Bridges
- Demand Control High Efficiency HVAC
- Energy Recovery Ventilation
- Dedicated Outside Air System
- Renewable Energy
  - Hot Water
  - Electrical Power
- Metering and Reporting Systems
Army Facilities Standardization Committee

To define “Standards” for our facilities:

- Charter signed May 2006
- Co-chair members
  - OACSIM Director, Operations
  - IMCOM G4
  - USACE Chief, Engineering and Construction
- Committee formed to:
  - Review and approve Army Standards
  - Direct standardization efforts
  - Adjudicate waivers to the Army Standards
  - Set priorities of support for new Army Standards
- Incorporated into AR 420-1, Army Facilities Management, Feb 2008
Why Army Facilities Standards

• Support the Army with an adaptable product line of facilities
• Minimize facility changes driven by adjustments in Army force structure, modernization, and training support
• Increase agility to reuse facilities with minimum lead-time using multi-purpose product lines
• Improve Soldiers and Families Quality of Life with enabling technologies and performance improvements
• Improve SRM forecast change impacts with predictable facilities in performance, cost, and efficiencies
• Reduce acquisition/lifecycle costs
• Inculcate cost culture with informed requirement validation versus unconstrained desires
• Consistently apply lessons learned for improved facilities
Facilities & Technology Standardization Process

ACSIM

Army Facility Standardization Committee
OACSIM / IMCOM / HQUSACE

Provides policy and approves Army Standards

Facilities Design Group

Recommends Army Standards and Waivers Thereto

Technology Standards Group

Recommends standards

Facility Design Teams

OACSIM / IMCOM / USACE / FMWRC / COS / ARSTAF Proponent

Facilities Design Teams

Recommend Mandatory Design Criteria

Command Coordination at staff officer level

Military and International Operations

Depends on Commanding General

Approves Army Standard Designs and Waivers Thereto not affecting Army Standard Criteria

Installation Technology Transition Program

Evaluates potential technology and provides recommendations
Army Standards and Army Standard Designs

- **Army Standard**: Sets the functional and operational requirements which support doctrinal needs for every facility type
  - ARSTAF proponents sets the mission requirements
  - Developed by a Facility Design Team (FDT)
  - Approved by the ACSIM

- **Army Standard Design**: Applies the technical engineering requirements (material and methods for delivery) that can be consistently replicated in construction
  - Developed by USACE Centers of Standardization and reviewed by the Facility Design Team
  - Approved and published by HQ USACE in coordination with the AFSC
  - Promulgates required Engineering Construction Bulletins (ECB) and updates technical standards
Facility Design Team
Structure and Function

• Composition
  ▪ Department of the Army proponent (typically from ARSTAF)
  ▪ OACSIM co-chair
  ▪ USACE Center of Standardization
  ▪ Facility manager (IMCOM, FMWRC)
  ▪ Other stakeholders (using organizations)

• Function
  ▪ Develop mandatory requirements
  ▪ Review Standard Design and criteria for completeness and Army required capabilities
  ▪ Develop and gain consensus on Army Standards
  ▪ Review and recommend disposition of waivers
Army Standard Designs

• Initial Standardization Strategy
  ▪ Compliance with 30% energy savings per EPACT ’05
  ▪ Design to reflect operations requirements
  ▪ Achieve all criteria with PA with Best Quality
  ▪ Achieve LEED Silver

• Successes
  ▪ 44 Approved Army Standard Designs in-place
  ▪ 21 DD1391 templates completed (including 3 complexes and 68 sizes)
  ▪ Establishment of public Centers of Standardization website
Army Standards

- Approved 32 Army Standards

  - Unaccompanied Enlisted Personnel Housing (G-1)
  - Company Operations Facilities (G-3/5/7)
  - Child Development Centers, 6 to 10 yr-olds (ACSIM)
  - Access Control Point (OPMG)
  - Army Lodging (ACSIM)
  - General Instruction Buildings (G-3/5/7)
  - Operational Readiness Training Complex (G-3/5/7)
  - Army Family Housing (ACSIM)
  - Army Community Service Centers (ACSIM)
  - AIT Barracks Complex (G-1)
  - BT/OSUT Barracks Complex (G-1)
  - Soldier and Family Assistance Centers (OTSG)
  - Warriors-in-Transition Unit Headquarters (OTSG)
  - Aircraft Maint Hangar Complex (G-4)
  - Central Issue Facility (G-4)
  - Command and Control Facilities (EAB) (G-3/5/7)
  - Child Development Center (6 Wks to 5 Year-olds) (ACSIM)
  - Youth Centers (ACSIM)
  - Warriors-in-Transition Barracks (OTSG)
  - Tactical Equipment Maintenance Facilities (G-4)
  - Initial Entry Training Chapel (Chaplain)
  - Supply Support Activity (G-4)
  - Aircraft Rinse Facility (G-4)
  - Brigade and Battalion Headquarters (G-3/5/7)
  - Enlisted Personnel Dining Facility (G-4)
  - Judicial Center (OTSJAG)
  - Fire Stations (ACSIM)
  - Family Life Center (Chaplain)
  - General Congregation Chapels (Chaplain)
  - Religious Education Center (Chaplain)
  - Physical Fitness Facility (ACSIM)
  - Battlefield Weather Sqdn Facility (G-2 & G-3/5/7)

Commissioned 32 Active Facility Design Teams

3 Technology Standards

- Keyless Entry Systems
- Non-water Urinals – rescinded 2011 to comply with ASARAE 189.1
- LED Traffic Signals
Example: Company Operations Facility

FDT developed Proponent Requirements
- Battalion centric
- Open, flexible design
- Enlarged TA-50 lockers
- Increased interior space
- Covered exterior area
- Enlarged arms vaults
- Non-sensitive items storage
- Consolidated showers
- Economy of construction
- Located near motor pool

ACSIM publish the Army Standard

Center of Standardization (Savannah District) manages the Standard Design

Standard designs are applied to the acquisition project
Let’s Connect!

[philip.r.columbus.civ@mail.mil]

Send Me Your Questions