



**US Army Corps  
of Engineers®**

# ENGINEERING AND CONSTRUCTION BULLETIN

**No.** 2016-18

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**SUBJECT:** Center of Standardization for Contingency Design & Design Standards for Non-permanent Facilities in Support of Military Operations

**CATEGORY:** Directive and Policy

## 1. **References:**

- a. Engineering Regulation (ER) 1110-3-113, Department of the Army Facilities Standardization Program, Date: 27 September 1993
- b. Unified Facility Criteria (UFC) 1-201-01, Non-Permanent Department of Defense Facilities in Support of Military Operations, Date: 1 January 2013
- c. UFC 1-201-02, Assessment of Existing Facilities of Use in Military Operations, Date: 1 June 2014
- d. UFC 1-202-01, Host Nation Facilities in Support of Military Operations, Date: 1 September 2013

2. **Purpose.** This ECB provides an overview of the mission, responsibilities, and authorities of the Center of Standardization (COS) for Contingency Design and the standards for design of Non-permanent Facilities to ensure minimum life safety requirements are always met.

## 3. **Background.**

a. In response to a series of injuries and deaths caused by code deficiencies in Non-permanent Facilities, Congress enacted Section 807 of Public Law 111-84. This law requires DoD to establish policy and requirements to ensure the safety of facilities, infrastructure, and equipment for military operations. In response to this requirement, DoD created the three UFC's that are referenced above. These UFC's establish the minimum design and safety standards for Non-permanent Facilities used by DoD personnel and the minimum design standards for Host Nation Facilities in support of military operations. These facilities have the following general characteristics:

- (1) Typically, constructed outside the Continental United States (OCONUS);
- (2) Can be constructed by troop labor or contractors;
- (3) Typically, lack of amenities and finishes associated with permanent facilities; and,
- (4) Three construction levels of Non-permanent Facilities: Initial (up to 6 months); Temporary (2 to 5 years); and Semi-Permanent (10 to 25 years).

**ECB No.** 2016-18

**Subject** Center of Standardization for Contingency Design & Design Standards for Non-permanent Facilities in Support of Military Operations.

b. Reference a. establishes the Center of Standardization for Contingency Design's responsibility to develop standard designs, and provide management and administration of the requirements stated above.

4. **Applicability.** This policy applies to the project types described below.

a. Both troop and contractor constructed, Temporary and Semi-Permanent construction levels, including utility infrastructure (as defined in Reference b).

b. Any alterations to existing facilities (as defined in Reference c).

c. Inspection of existing facilities (as defined in Reference c) for Detailed and Engineering Inspection Levels.

d. Initial facilities are considered equipment and fall outside the authority of the COS.

5. **Policy.**

a. Coordination with the COS for Contingency Design is mandatory.

b. The COS must perform minimum Life Safety Compliance Reviews on all Temporary and Semi-Permanent construction level facilities designed in support of Military Operations.

c. The COS will document its Life Safety Compliance Review in the Design Analysis for the project (if designed by the COS) or in DrChecks (if not designed by the COS).

d. Per Reference a, the COS for Contingency Design is the Army authority on design compliance for Temporary and Semi-Permanent construction levels (as defined in Reference b), Non-permanent Facilities and infrastructure, as well as any alteration thereto.

e. All Non-permanent facility designs for use by DoD personnel will be in conformance with Reference b. for new construction. All Temporary and Semi-Permanent Facilities and utility infrastructure (both new and existing) are within the authority of the COS.

f. Waiver procedures exist for Reference b. only. All waiver requests must be routed through the COS for review and comment.

g. Per Reference c, existing facilities intended to be used by DoD personnel must be inspected and found to be in compliance, or have deficiencies mitigated, prior to occupancy. The COS must review and concur on all Detailed and Engineering Level inspection reports prior to occupancy. The COS will retain a copy of all Detailed and Engineering Level inspection reports.

h. Facilities designed solely for Host Nation use must comply with Reference d.

i. Facility designs will be in compliance with the applicable Non-Permanent Facility standard for their functional usage.

**ECB No.** 2016-18

**Subject** Center of Standardization for Contingency Design & Design Standards for Non-permanent Facilities in Support of Military Operations.

j. Per References b. and c, any alterations to the facility standard design, and any design of alterations of an existing facility must be accomplished by qualified personnel (e.g. Registered Architects and Professional Engineers) followed by a compliance review by the COS.

k. Safety related design parameters (live/dead/snow loads, seismic coefficients, wind speed, occupancy category, travel distance, etc.) must be included on the contract documents.

l. The construction level must be included on all drawings. A statement similar to the following must be included: "This facility is designed in accordance with UFC 1-201-01 at a facility construction level of "Temporary.""

m. If the intended usage period exceeds the original construction level, the buyer (if a military entity) or contractor must receive from the manufacturer or designer all required submittals for the appropriate construction level (per Reference b) and shall transmit the submittals to the COS for review and acceptance. For example:

(1) If the intent is to use Container Housing Units (CHU's) for four (4) years: the buyer (if a military entity) or contractor must receive from the manufacturer all submittals required for temporary facilities and shall transmit the submittals to COS for facility standard design and UFC compliance review and acceptance prior to installation.

(2) Likewise, if the intent is to use a tension fabric hangar for ten (10) years: the buyer (if a military entity) or contractor must receive from the manufacturer all submittals required for semi-permanent facilities and shall transmit the submittals to COS for facility standard design and UFC compliance review and acceptance prior to installation.

## **6. Center of Standardization for Contingency Design.**

a. The USACE Geographic District, Forward Engineer Support Teams (FEST), Engineer Units, and any other entity designing or altering the design of a Non-Permanent Facility is required to submit the design product(s) to the COS for compliance review prior to construction. Coordination with the COS for Contingency Design is mandatory to perform minimum Life Safety Compliance Reviews on all Temporary and Semi-Permanent Facilities designed and constructed in support of Military Operations.

b. Training and Support.

(1) On-site Support: the COS will be project funded and reimbursed by the design/construction district or unit, as applicable.

(2) Off-site Support: the COS is available for consultation and assistance on a reimbursable basis.

(3) Review Efforts: the COS will be project funded and reimbursed by the design/construction district or unit, as applicable.

**ECB No.** 2016-18

**Subject** Center of Standardization for Contingency Design & Design Standards for Non-permanent Facilities in Support of Military Operations.

(4) On-site Training/Briefing: the COS is available, generally at no cost, to provide overview or in-depth briefings in the design requirements, mission, responsibilities, authorities, and available designs.

(5) Formal Classes: the COS has developed a formal curriculum regarding the referenced UFCs. The USACE Readiness Support Center includes this class in the FEST Training Course which is offered multiple times each year.

7. **Update.** All new requirements will be included in the next appropriate policy document update prior the expiration of this ECB.

8. **Points of Contact.** The Center of Standardization for Contingency Design point of contact is Dale Hartmann, CETAM-EC-EX, (540) 665-2684. HQUSACE point of contact for this ECB is Scott Wick, CECW-CE, (202) 761-7419.

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