



DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, LOUISVILLE
CORPS OF ENGINEERS
P.O. BOX 59
LOUISVILLE, KENTUCKY 40201-0059

CELRL-ED-D-A (415-10f)

22 January 2019

MEMORANDUM FOR PPMD (██████████ Chief, Reserve Branch)

SUBJECT: Implementation of UFC 4-010-01 revision dated 12 Dec 2018

1. References:

- a. Unified Facilities Criteria 4-010-01, DoD Minimum Antiterrorism Standards for Buildings, 12 Dec 2018. Also referenced as minimum ATFP requirements.
 - b. Unified Facilities Criteria 4-020-01, DoD Security Engineering Facilities Planning Manual, 11 Sep 2008.
 - c. Memorandum from Army Reserve Installation Management Directorate, 22 May 2012.
1. This memorandum provides recommendations, interpretation, and intended implementation by Louisville District Design Branch in Engineering Division, of the revised UFC 4-010-01 dated 12 Dec 2018 to military construction projects, particularly Army Reserve projects, unless otherwise directed. Standards not discussed in this memorandum remain essentially unchanged from the previous version.
 2. Per UFC 4-010-01, 3-1, the Standards in Chapter 3 provide minimum protection for inhabited buildings. Primary gathering is no longer a designation. Designers will assume these Standards apply unless more stringent requirements are indicated in the DD1391 or other directive as determined by the project planners thru UFC 4-020-01.
 3. UFC 4-010-01, 3-2, Standard 1 for standoff distance, applies to distance of the building to the installation perimeter rather than a "controlled" or "uncontrolled" perimeter. Installation perimeter is defined in Appendix D as "any demarcation identifying the limit of DoD property and directly or indirectly indicating that unauthorized access is prohibited. The landside perimeter may be established with fences, walls, signage, natural barriers or other means." Designers will assume that no more than the DoD property line is required to designate the installation perimeter.
 - a. The new standoff requirement is a 50' clear zone at the installation perimeter, of which 20' must be inside the installation perimeter.
 - b. Standoff distances do not apply to facilities greater than 50' inside the installation perimeter.
 - c. For facilities not inside an installation perimeter (not on DoD property) the required standoff distance shall be determined based on the requirements of UFC 4-020-01.
 4. UFC 4-010-01, 3-3, Standard 2 indicates requirement for a 33 ft. unobstructed space around the building, similar as the previous unobstructed space where no obstructions allow for concealment from observation of explosive devices with dimensions no less than a 6-inch cube (rather than 6-inch height) around the building. Different from the previous unobstructed space since trash containers and mechanical yards are only required to be fully enclosed with a "top" within the unobstructed space, but may be located outside the unobstructed space without full enclosure. Consideration of possible explosive weight is no longer included for this Standard.
 5. UFC 4-010-01, 3-3.7, Standard 2 indicates parking is permitted within the unobstructed space, however may be temporarily eliminated within the unobstructed space during higher Force Protection Conditions (FPCON). Discussion during planning or design of projects is recommended to establish possible measures required by the facility users (not required by the UFC) during higher FPCON. Spaces within the unobstructed space might be blocked off, however consideration may be necessary for alternative parking during higher FPCON. Some may choose to only provide parking outside the unobstructed space which alleviates any additional action by the facility users and maintains site space for Low Impact Development (LID) considerations.

6. UFC 4-010-01, 3-5, Standard 4 removes access road limitations to the building. Since parking may occur near the building from the now-permitted access roads for loading docks and mechanical room access, discussion during planning or design of projects is recommended to establish possible measures taken by the facility users during higher FPCON to allow parking within the unobstructed space as a result of access roads.
7. UFC 4-010-01, 3-7, Standard 6 progressive collapse resistance is no longer required for existing facilities except as mandated by UFC 4-020-01.
8. UFC 4-010-01, 3-11, Standard 10 only includes requirement for laminated glazing in windows and 3-13, Standard 12 includes requirement for laminated glazing in glazed doors. Blast mitigation design for windows and supporting structures is removed from the minimum ATEP requirements.
9. Recommend that DoD customers provide to Louisville District, a revision to any ATEP memorandums such as the referenced Memorandum from ARIMD to specifically address implementation of the changes to UFC 4-010-01 for projects. Suggest that the following be considered:
 - a. When developing project DD1391s, the DoD customers will take responsibility during the planning process for verification whether only the minimum Antiterrorism-Force Protection (ATEP) requirements apply. Verification of the Design Basis Threat and Level of Protection will occur with implementation of the process provided in UFC 4-020-01 to establish the project's assets to be protected, the threats to those assets, the levels to which those assets are to be protected against those threats, and any design constraints imposed by facility users. If requirements above the minimum ATEP are justified by this process, the DD1391 will reflect this and the details will be provided to the Project Development Team (PDT).
 - b. For projects that do not include verification of the Design Basis Threat and Level of Protection, the PDT is directed to assume that only the minimum ATEP requirements apply.
 - c. For UFC 4-010-01, 3-3.2, recommend that trash containers avoid location within the unobstructed space to save cost and maintenance of otherwise required enclosures having four sides and a top.
 - d. For UFC 4-010-01, 3-3.7, where POV parking is chosen to occur within the unobstructed space, establish if measures will be taken by the facility users during higher Force Protection Conditions (FPCON) as this may affect the site design.
 - e. For UFC 4-010-01, 3-3.7 as it relates to access roads to facility loading docks or utility rooms where parking may occur within the unobstructed space, establish if measures will be taken by the facility users during higher Force Protection Conditions (FPCON) as this may affect the site design.

10. Points of contact for this memorandum are as follows:

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[REDACTED]

[REDACTED]

Louisville District

[REDACTED]

[REDACTED]

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