

UNIFIED FACILITIES CRITERIA (UFC)

AIR ENTRAPMENT, FASTENERS, PENETRATION PROTECTION, HYDRAULIC-SURGE PROTECTION DEVICES, AND EMP PROTECTIVE DEVICES: DESIGNING FACILITIES TO RESIST NUCLEAR WEAPON EFFECTS



UNIFIED FACILITIES CRITERIA (UFC)

AIR ENTRAPMENT, FASTENERS, PENETRATION PROTECTION, HYDRAULIC-SURGE PROTECTION DEVICES, AND EMP PROTECTIVE DEVICES: DESIGNING FACILITIES TO RESIST NUCLEAR WEAPON EFFECTS

Any copyrighted material included in this UFC is identified at its point of use. Use of the copyrighted material apart from this UFC must have the permission of the copyright holder.

U.S. ARMY CORPS OF ENGINEERS (Preparing Activity)

NAVAL FACILITIES ENGINEERING COMMAND

AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

Record of Changes (changes are indicated by \1\ ... /1/)

Change No.	Date	Location

This UFC supersedes TM 5-858-5, dated 15 December 1983. The format of this UFC does not conform to UFC 1-300-01; however, the format will be adjusted to conform at the next revision. The body of this UFC is a document of a different number.

FOREWORD

\1\

The Unified Facilities Criteria (UFC) system is prescribed by MIL-STD 3007 and provides planning, design, construction, sustainment, restoration, and modernization criteria, and applies to the Military Departments, the Defense Agencies, and the DoD Field Activities in accordance with [USD\(AT&L\) Memorandum](#) dated 29 May 2002. UFC will be used for all DoD projects and work for other customers where appropriate. All construction outside of the United States is also governed by Status of forces Agreements (SOFA), Host Nation Funded Construction Agreements (HNFA), and in some instances, Bilateral Infrastructure Agreements (BIA.) Therefore, the acquisition team must ensure compliance with the more stringent of the UFC, the SOFA, the HNFA, and the BIA, as applicable.


UFC are living documents and will be periodically reviewed, updated, and made available to users as part of the Services' responsibility for providing technical criteria for military construction. Headquarters, U.S. Army Corps of Engineers (HQUSACE), Naval Facilities Engineering Command (NAVFAC), and Air Force Civil Engineer Support Agency (AFCEA) are responsible for administration of the UFC system. Defense agencies should contact the preparing service for document interpretation and improvements. Technical content of UFC is the responsibility of the cognizant DoD working group. Recommended changes with supporting rationale should be sent to the respective service proponent office by the following electronic form: [Criteria Change Request \(CCR\)](#). The form is also accessible from the Internet sites listed below.

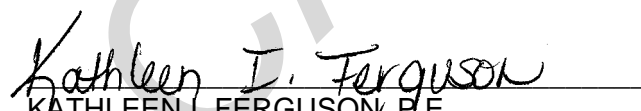
UFC are effective upon issuance and are distributed only in electronic media from the following source:

- Whole Building Design Guide web site <http://dod.wbdg.org/>.


Hard copies of UFC printed from electronic media should be checked against the current electronic version prior to use to ensure that they are current.

AUTHORIZED BY:


DONALD L. BASHAM, P.E.
Chief, Engineering and Construction
U.S. Army Corps of Engineers


KATHLEEN I. FERGUSON, P.E.
The Deputy Civil Engineer
DCS/Installations & Logistics
Department of the Air Force


DR. JAMES W. WRIGHT, P.E.
Chief Engineer
Naval Facilities Engineering Command


Dr. GET W. MOY, P.E.
Director, Installations Requirements and
Management
Office of the Deputy Under Secretary of Defense
(Installations and Environment)

UNIFIED FACILITIES CRITERIA (UFC)

**DESIGNING FACILITIES TO RESIST NUCLEAR WEAPONS EFFECTS: AIR
ENTRAINMENT, FASTENERS, PENETRATION PROTECTION, HYDRAULIC-SURGE
PROTECTIVE DEVICES AND EMP PROTECTIVE DEVICES**

The text of this UFC is the previous TM 5-858-5, dated 15 December 1983. The document is available only in hard copy form and only from:

National Technical Information Service (NTIS)
5285 Port Royal Road, Springfield, VA 22161
Telephone 1-888-584-8332
[NTIS](#)
