

UNIFIED FACILITIES CRITERIA (UFC)

ROOFING MAINTENANCE AND REPAIR



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U.S. ARMY CORPS OF ENGINEERS

NAVAL FACILITIES ENGINEERING COMMAND (Preparing Activity)

AIR FORCE CIVIL ENGINEER SUPPORT AGENCY

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

Change No.	Date	Location



FOREWORD

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.

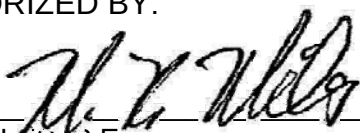
UFC are living documents and will be periodically reviewed, updated, and made available to users as part of the Services' responsibility for providing technical criteria for military construction. Headquarters, U.S. Army Corps of Engineers (HQUSACE), Naval Facilities Engineering Command (NAVFAC), and 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.

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UNIFIED FACILITIES CRITERIA (UFC)
NEW DOCUMENT SUMMARY SHEET

Description of Changes: UFC 3-110-04 unifies the roofing maintenance and repair criteria for DOD.

Reasons for Changes: Uses industry standards such as National Roofing Contractor Association and specifically the following:

- Roof Repair Manual for Low-Slope Membrane Roof Systems (www.nrca.net).
- Roofing Maintenance Manual – Publication of Roofing Industry Educational Institute (RIEI), Revised 1998 (www.nrca.net/riei).
- Architectural Sheet Metal Manual - Publication of Sheet Metal and Air Conditioning Contractors National Association, Inc. (SMACNA), Revised 1993 (www.smacna.org).

Impact: There are negligible cost impacts. However, the following benefits should be realized.

- By using the industry standards, on-going revision due to industry changes will minimize the need for future revisions.
- By using the industry standards to accomplish improved maintenance and repair of roofs, facility sustainment costs will be reduced.

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