

Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.
It is not a part of the referenced document, and should not be used for project documentation.

U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

DATE OF THIS VERSION:

July 1, 2023

TITLE OF DOCUMENT:

H-18-8, VA Seismic Design Requirements

DATE OF VERSION BEING SUPERSEDED (old):

November 1, 2019, Revised May 1, 2020

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

H-18-8, VA Seismic Design Requirements

SUMMARY OF CHANGES IN THIS VERSION:

1. The referenced version of IBC has been updated to IBC 2021.
2. The referenced version of ASCE 7 has been updated to ASCE/SEI 7-22, per the Advisory Committee's 2022 recommendation.
3. Renamed Facility Occupancy Category to Facility Criticality Designation.
4. Sections 2.3 and 4.1 clarify that exempt existing buildings are not exempt from nonstructural seismic requirements of Section 4.0 when permanent components/equipment are added or relocated.
5. Section 2.4 includes a correction to be consistent with RP8 for seismicity triggers for existing buildings and removes a redundant exemption for leased facilities.
6. Section 2.7 adds Ancillary facilities for approval of alternative retrofit procedures.
7. Section 3.2 incorporates recommended changes from the Advisory Committee on Structural Safety of VA Facilities.
8. Section 5.1 clarifies field shear wave velocity measurements are used to evaluate the site class.
9. Updates to Critical, Essential, and Ancillary facilities in Section 7.0.
10. Miscellaneous errata corrected throughout.

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DATE OF THIS VERSION:

May 1, 2020

TITLE OF DOCUMENT:

H-18-8, VA Seismic Design Requirements

DATE OF VERSION BEING SUPERSEDED (old):

November 1, 2019

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

H-18-8, VA Seismic Design Requirements

SUMMARY OF CHANGES IN THIS VERSION:

1. Referenced national codes and standards changed to most recent date-specific versions;
2. Definitions of Critical, Essential, and Ancillary facilities have been clarified in Sections 1.4 and 7.0;
3. Section 2.5 corrects an error in the October 1, 2016 edition of H-18-8 that inadvertently excluded Ancillary facilities from the requirement to use nonlinear procedures for retrofit; and
4. Outdated exemptions for nonstructural components and equipment were removed and the Importance Factor for all nonstructural components is set to 1.5 for Critical facilities in Seismic Design Categories C, D, E, and F.
5. May 1, 2020 revision: Clarified that H-18-8 Existing Facilities Performance Objectives in Section 2.6 apply for all tiers of ASCE 41 evaluation and retrofit.
6. May 1, 2020 revision: Added Facility Occupancy Categories for Medical Records Storage in standalone central storage facilities in Table 4 and within other facilities in Table 7.
7. May 1, 2020 revision: Clarified that while the default Facility Occupancy Category for Warehouses is Ancillary, VA Medical Centers should consider upgrading to Essential based on factors such as the facility that it supports, contents, and importance to mission.

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DATE OF THIS VERSION:

November 1, 2019

TITLE OF DOCUMENT:

H-18-8, VA Seismic Design Requirements

DATE OF VERSION BEING SUPERSEDED (old):

October 1, 2016

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

H-18-8, VA Seismic Design Requirements

SUMMARY OF CHANGES IN THIS VERSION:

1. Referenced national codes and standards changed to most recent date-specific versions;
2. Definitions of Critical, Essential, and Ancillary facilities have been clarified in Sections 1.4 and 7.0;
3. Section 2.5 corrects an error in the October 1, 2016 edition of H-18-8 that inadvertently excluded Ancillary facilities from the requirement to use nonlinear procedures for retrofit; and
4. Outdated exemptions for nonstructural components and equipment were removed and the Importance Factor for all nonstructural components is set to 1.5 for Critical facilities in Seismic Design Categories C, D, E, and F.