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:

October 1, 2020, revised May 1, 2024

TITLE OF DOCUMENT:

Physical Security and Resiliency Design Manual

DATE OF VERSION BEING SUPERSEDED (old):

October 1, 2020, revised January 1, 2024

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

Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Clarification of blast-resistant design requirements for doors:
    a. Edited section 6.3.4 Alteration/Renovation of Existing Facilities – Doors
    b. Chapter 6 Annex: Added section A-6.3.4 Alteration/Renovation of Existing Facilities – Doors
2. Clarification of blast-resistant design requirements for air intakes and exhausts:
    a. Edited section 6.6.3 Alteration/Renovation of Existing Facilities – Air Intakes and Exhausts Serving Critical Equipment
    b. Chapter 6 Annex: Added section A-6.6.3 Alteration/Renovation of Existing Facilities – Air Intakes and Exhausts Serving Critical Equipment
3. Update of ballistic-resistant requirements in Police Operations Room:

a. Modified section 5.13.3.1 Police Operations Room to require UL 752 Level 4 ballistic-resistant construction.

4. Update of physical security and resiliency requirements for generators and electrical systems/components:

a. Table 1-5 Facilities with Varying Designations: Under the "Facilities" column, replaced "Emergency Generator" with "Generator".

b. Section 5.6: Modified the section title from "Emergency and/or Standby Generator Room" to "Emergency and Standby Generator Room"

c. Section 5.6 Emergency and Standby Generator Room: Modifications were made in the 1st paragraph and the first two bullet points under the 2nd paragraph (the 3rd and 4th bullet points remain).

d. Section 5.6.1 Adjacencies: Modifications were made in the 1st paragraph.

e. Section 5.6.1.1 Elevation: Modifications were made in the paragraph.

f. Section 5.6.3.1 Interior: Modifications were made in the paragraph.

g. Section 5.6.3.2 Exterior: Modifications were made in the paragraph.

h. Added section "5.6.3.3 Seismic Risk Areas: Requirements of EPSS must comply with NFPA 110 and VA Seismic Design Requirements, H-18-8, section 4."

i. Section 8.4.3 Standby Electrical System: Updated the number of the section referenced.

j. Added section 9.3.1 Essential Electrical System.

k. Added section 9.3.1.1 Emergency Generators.

l. Re-numbered existing section 9.3.1 Standby Electrical System to 9.3.2. Modifications were made in the 1st, 2nd, and 3rd paragraphs.

m. Re-numbered existing section 9.3.1.1 Standby Generators to 9.3.2.1. Modifications were made in the paragraph.

n. Existing section 9.3.1.2 Location was deleted.

o. Re-numbered existing section 9.3.1.3 Emergency Connections to 9.3.2.2.

p. Re-numbered existing section 9.3.2 Uninterruptible Power Supply to 9.3.3 and re-numbered the subsections affected.

q. Re-numbered existing section 9.3.3 Alteration/Renovation of Existing Facilities – Electrical Systems to 9.3.4

r. Re-numbered existing section 9.3.3.1 Standby Electrical System to 9.3.4.1. Modifications were made in the paragraph.

s. Re-numbered existing section 9.3.3.2 UPS to 9.3.4.2. Updated the number for the referenced section.

t. Added section 9.3.4.3 Essential Electrical System.

5. Clarification of physical security and resiliency requirements for buried/below grade tanks:

a. Table 8-3 Protection of Utilities and Equipment: Under the requirements for "Storage tanks and tower: Water", modified the 2nd paragraph to include ASTs installed below grade in a vault.

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

DATE OF THIS VERSION:

October 1, 2020, revised January 1, 2024

TITLE OF DOCUMENT:

Physical Security and Resiliency Design Manual

DATE OF VERSION BEING SUPERSEDED (old):

October 1, 2020, revised June 1, 2023

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

Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Acknowledgements: Removed individual names and titles. Updated information for Offices, Administrations, and organizations.

2. Table 1-4 Ancillary Facilities: Added "Compensated Work Therapy/Transitional Residence (CWT/TR).

3. End of section A-2.2 Risk-Based Protective Design: Added

> "Addressing Active Threat: Based on the facility's Modified Infrastructure Survey Tool (MIST) risk assessment, protective measures should be considered to mitigate the effectiveness of an active threat by establishing physical boundaries to control access to non-public areas with emphasis on areas such as exam rooms and provider offices. Solutions should be based on the MIST recommendations which may include as an example, access control systems, enhanced construction of designated boundary walls and designing for compartmentation by establishing designated safe rooms/areas. Considerations may include partitions, doors and windows in general, and lobby reception and

admitting areas facing spaces with unrestricted access using UL 752 Level 3 ballistic and 15-minute forced entry resistant construction."

4. End of section 4.1 Scope, Purpose, and Goals; End of section 5.0 Function Areas; End of section 10.1 Scope, Purpose, and Goals: Added

"Addressing Active Threat: Based on the facility's Modified Infrastructure Survey Tool (MIST) risk assessment, protective measures should be considered to mitigate the effectiveness of an active threat by establishing physical boundaries to control access to non-public areas with emphasis on areas such as exam rooms and provider offices. Solutions should be based on the MIST recommendations which may include as an example, access control systems, enhanced construction of designated boundary walls and designing for compartmentation by establishing designated safe rooms/areas. Considerations may include partitions, doors and windows in general, and lobby reception and admitting areas facing spaces with unrestricted access using UL 752 Level 3 ballistic and 15-minute forced entry resistant construction. Each project, based on its scope, must coordinate with the facility's Physical Security Specialist and/or VA medical center Police to address the risk of active threat based on the results of the MIST risk assessment tool for each project, which is conducted by the facility's VA Police (ref. A-2.2)."

5. End of section 6.3.3.1 Roll-up Doors: Added

"(see Chapter 6 Annex for additional information regarding roll-up doors)"

6. Section 6.6.1 Penthouses and Screen Walls, 1st paragraph, 3rd line: Added

"The minimum height of blast resistant screen walls must be 2 ft. above the top of the equipment."

7. Annex to Chapter 6: Added

"A-6.3.3.1 Roll-up Doors: Since roll-up doors enclosing equipment or mechanical bays are significantly wider than typical doors, it is impractical to achieve blast resistance. When there is critical equipment within the mechanical bays or when there is occupied space internal to the roll-up door, a debris-mitigating cable catch system can restrain the roll-up door in the event of a blast outside to reduce risks to the critical equipment and occupants."

8. Sections 8.1 and 9.1 Scope, Purpose, and Goals, 1st paragraph: Used bold format for the sentence

"These requirements are applicable to Critical and Essential Facilities".

9. Table 8-3 Protection of Utilities and Equipment, 2nd Item "Storage tanks: Fuel": Replaced

"Above grade: Provide blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. Supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. All tanks must remain functional and accessible during emergencies."

With

"Above grade: Fuel tanks must be horizontal. Provide blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. Supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. The minimum height of blast-resistant screen walls must be 2 ft. above the top of the tank. All tanks must remain functional and accessible during emergencies."

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

DATE OF THIS VERSION:

October 1, 2020, revised June 1, 2023

TITLE OF DOCUMENT:

Physical Security and Resiliency Design Manual

DATE OF VERSION BEING SUPERSEDED (old):

October 1, 2020, revised July 1, 2022

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

Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Throughout the Design Manual: Replaced the term “Physical Security and Resiliency Designation” with “Facility Criticality Designation”.

2. Throughout the Design Manual: Switched to the same terminologies used in the VA Seismic Design Requirements (H-18-8) for designation of VA facilities as follows. (Note: When incorporating this change, straight forward replacement of terminologies was insufficient in some instances and additional edits were made as necessary for clarity of the requirements and organization of the Design Manual. As these edits occur in many locations throughout the Design Manual, some are not captured in this Summary of Modifications/Changes.)

    a. Replaced “Mission Critical (MC) Facilities” with “Critical Facilities”

    b. Replaced “Mission Critical (MC)” with “Critical”

c. Replaced “Life-Safety Protected (LSP) Facilities with Mission Critical (MC) Utilities/Systems Redundancies” with “Essential Facilities”

d. Replaced “Life-Safety Protected (LSP) Facilities” with “Ancillary Facilities”

e. Replaced “Life-Safety Protected (LSP)” with “Ancillary”

3. Section 1.1, 2nd paragraph: Revised the paragraph for consistency with the definitions for Critical, Essential, and Ancillary Facilities.

4. Table 1-3 Essential Facilities: Added “Hospice Care (inpatient service)”

5. Moved Canteen-Cafeteria from Table 1-5 Facilities with Varying Designations to Table 1-4 Ancillary Facilities.

6. Incorporate the facilities in Table 1-6 Partially Exempt Facilities into Table 1-4 Ancillary Facilities.

a. Deleted Section 1.4.1.5 Partially Exempt Facilities (including Table 1-6 Partially Exempt Facilities). Inserted the Partially Exempt Facilities into Table 1-4 Ancillary Facilities with Notes 1 and 2 indicating the exemptions.

b. Updated the section and table numbers affected by the above deletion.

i. Changed the section number for “VHA Strategic Planning Categories/Designations” from 1.4.1.6 to 1.4.1.5
ii. Changed the VHA Strategic Planning Categories/Designations table number from Table 1-7 to 1-6
iii. Updated references to these sections and tables.

7. Replaced heading and number of “section 1.4.1.7 Other Considerations” with “1.4.1.6 Type V Construction”.

a. Deleted “Low-occupancy housing with 12 occupants or fewer per building are exempt from the requirements of chapters 3, 6, and 7.”
b. Deleted “Physical security and resiliency requirements for temporary buildings must be determined on a case-by-case basis per section 1.3”.

8. Section 2.3.1 Exceptions: Replaced

“When a determination is made at the local level, that due to mission, function, location, or regional responsibility a facility should be upgraded from LSP to MC (or downgraded from MC to LSP), or when an exception/deviation from a specific physical security and resiliency requirement is sought, a request must be submitted — during the project planning phase before development of scope and budget — and approved per section 1.3 Administration and Enforcement.”

with

"When an exception/deviation from a specific physical security and resiliency requirement is sought, including downgrade (e.g., from Critical to Essential) of a facility, a request must be submitted — during the project planning phase before development of scope and budget — and approved per section 1.3 Administration and Enforcement."

9. Section 3.1 Scopes, Purpose, and Goals - Third paragraph, first sentence: Replaced

"The requirements of this chapter are baseline physical security and resiliency requirements for MC Facilities, LSP Facilities with MC Utilities/Systems Redundancies, and LSP Facilities. LSP Facilities with MC Utilities/Systems Redundancies are to comply with requirements for LSP Facilities"

with

"The requirements of this chapter are baseline physical security and resiliency requirements for Critical, Essential, and Ancillary Facilities"

10. Table 3-1 Standoff Distance - Column headings:

a. Replaced "Life-Safety Protected" with "Essential, Ancillary"
b. Replaced "Mission Critical" with "Critical"

11. Section 4.1 Scopes, Purpose, and Goals - Fifth paragraph, first sentence: Replaced

"The requirements of this chapter are baseline physical security and resiliency requirements for MC Facilities, LSP Facilities with MC Utilities/Systems Redundancies, and LSP Facilities. LSP Facilities with MC Utilities/Systems Redundancies are to comply with requirements for LSP Facilities"

with

"The requirements of this chapter are baseline physical security and resiliency requirements for Critical, Essential, and Ancillary Facilities"

12. Section 6.1 Scopes, Purpose, and Goals - Fourth paragraph, first sentence: Replaced

"The requirements of this chapter are baseline physical security and resiliency requirements for MC Facilities, LSP Facilities with MC Utilities/Systems Redundancies, and LSP Facilities. LSP Facilities with MC Utilities/Systems Redundancies are to comply with requirements for LSP Facilities"

with

"The requirements of this chapter are baseline physical security and resiliency requirements for Critical, Essential, and Ancillary Facilities"

13. Table 6-1 Threat and Standoff Distance - Column headings:

    a. Replaced "Life-Safety Protected" with "Essential, Ancillary"
    b. Replaced "Mission Critical" with "Critical"

14. Table 6-2 Levels of Protection - Column headings:

    a. Replaced "Life-Safety Protected" with "Essential, Ancillary"
    b. Replaced "Mission Critical" with "Critical"

15. Table 6-3 Glass Performance Levels - Column headings:

    a. Replaced "Life-Safety Protected" with "Essential, Ancillary"
    b. Replaced "Mission Critical" with "Critical"

16. Table 6-4 Façade Frame Deformation Limits - Column headings:

    a. Replaced "Life-Safety Protected" with "Essential, Ancillary"
    b. Replaced "Mission Critical" with "Critical"

17. Section 6.6.2 Intakes and Exhausts Serving Critical Equipment - First paragraph, first sentence: Replaced

    "All air intakes and exhausts for MC facilities and any LSP facility air intakes and exhausts that enter critical equipment spaces must be designed to…"

    with

    "All air intakes and exhausts for Critical facilities and any Essential facility air intakes and exhausts that enter critical equipment spaces must be designed to…"

18. Section 7.1 Scopes, Purpose, and Goals - Fifth paragraph, first sentence: Replaced

    "The requirements of this chapter are baseline physical security and resiliency requirements for MC Facilities, LSP Facilities with MC Utilities/Systems Redundancies, and LSP Facilities. LSP Facilities with MC Utilities/Systems Redundancies are to comply with requirements for LSP Facilities"

    with

    "The requirements of this chapter are baseline physical security and resiliency requirements for Critical, Essential, and Ancillary Facilities"

19. Table 7-1 Threat and Standoff Distance – Column Headings:

    a. Replaced “Life-Safety Protected” with “Essential, Ancillary”
    b. Replaced “Mission Critical” with “Critical”

20. Table 7-2 Levels of Protection – Column Headings:

    a. Replaced “Life-Safety Protected” with “Essential, Ancillary”
    b. Replaced “Mission Critical” with “Critical”

21. Table 7-3 Progressive Collapse Mitigation Methods – Column Headings:

    a. Replaced “Life-Safety Protected” with “Essential, Ancillary”
    b. Replaced “Mission Critical” with “Critical”

22. Section 10.1.1 Veterans Health Administration MC Facilities:

    a. Deleted “MC” from the section title.
    b. First paragraph: Deleted “MC” in the first and second sentences.
    c. Second paragraph: Replaced “MC” with “Critical and Essential”
    d. Third paragraph: Replaced “section” with “chapter” in the first sentence.

23. Section 10.1.2 Veterans Health Administration LSP Facilities with MC Utilities/Systems Redundancies, and LSP Facilities:

    a. Deleted the section 10.1.2 heading “Section 10.1.2 Veterans Health Administration LSP Facilities with MC Utilities/Systems Redundancies, and LSP Facilities”
    b. Deleted the first paragraph, “The requirements of Chapter 10 apply to all LSP Facilities with MC Utilities/Systems Redundancies, and LSP facilities, both new and existing. Existing facilities under alteration/renovation are required to meet the same requirements as new facilities.”

24. Section 10.1.3 Veterans Benefits Administration Facilities: Changed the section number to 10.1.2

25. Section 10.1.4 National Cemetery Administration Facilities: Changed the section number to 10.1.3

26. Section 10.1.5 Requirements for Subject Matter Specialists: Changed the section number to 10.1.4

    a. 10.1.5.1 Control Systems Cybersecurity Specialist: Changed section number to 10.1.4.1

b. 10.1.5.2 Registered Communications Distribution Designer (RCDD®): Changed section number to 10.1.4.2
c. 10.1.5.3 System Integration Specialist: Changed section number to 10.1.4.3

27. Chapter 11 Glossary & Acronyms:

a. Added definition for Ancillary Facilities: “Ancillary Facilities: VA facilities that are intended to protect the life safety of occupants in case of an emergency. Although indispensable to the mission of VA, they are not required to remain operational during and following a natural or manmade extreme event or a national emergency.”

b. Added definition for Continuity of Operations: “Continuity of Operations: Uninterrupted functions/services at Critical and Essential Facilities.”

c. Revised definition for Critical Equipment from “Critical Equipment: Equipment that supports critical systems for the Continuity of Operations in VHA mission critical facilities (see Annex to Chapter 1)” to “Critical Equipment: Equipment that supports critical systems for the Continuity of Operations in facilities (see Annex to Chapter 1).”

d. Added definition for Critical Facilities: “Critical Facilities: VA facilities that are intended to remain fully functional during and following a natural or manmade extreme event or a national emergency, in addition to protecting the life safety of occupants.”

e. Added definition for Essential Facilities: “Essential Facilities: VA facilities that are intended to remain functional with minor repairs during and following a natural or manmade extreme event or a national emergency, in addition to protecting the life safety of occupants.”

f. Deleted definition for Life-Safety Protected (LSP) Facilities: “Life-Safety Protected (LSP) Facilities: VA facilities that are intended to protect the life safety of the patients, staff, and visitors in case of an emergency. Although indispensable to the mission of VA, they are not required to remain operational during and following a natural or manmade extreme event or a national emergency.”

g. Deleted definition for Life-Safety Protected (LSP) Facilities w/ Mission Critical (MC) Utilities/Systems Redundancies: “Life-Safety Protected (LSP) Facilities w/ Mission Critical (MC) Utilities/Systems Redundancies: VA facilities that are intended to remain functional with minor repairs during and following a natural or manmade extreme event or a national emergency, in addition to protecting the life safety of occupants.”

h. Deleted definition for Mission Critical (MC) Facilities: "'Mission Critical (MC) Facilities: VA facilities that are intended to remain fully functional during and following a natural or manmade extreme event or a national emergency."

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

DATE OF THIS VERSION:

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TITLE OF DOCUMENT:

Physical Security and Resiliency Design Manual

DATE OF VERSION BEING SUPERSEDED (old):

October 1, 2020, revised March 1, 2022

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

Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Update/clarify the role of VHA Healthcare Engineering Oversight Committee on Physical Security and Resiliency in interpretation and review of deviation requests.

    a. Section 1.3 Administration and Enforcement, 3rd paragraph: Revised the paragraph from

    "…development of project scope and budget. Requests for deviation must be submitted to the AHJ overseeing the implementation of physical security and resiliency requirements for the facility for review. When no risk assessment …"

    To

    "…development of project scope and budget. Interpretation or deviations from requirements for VBA and NCA facilities must be evaluated and adjudicated by the AHJ; and for VHA facilities, by the Healthcare Engineering Oversight Committee on Physical Security and Resiliency. When no risk assessment … "

b. Table 1-5 Facilities with/Varying Designations:

- Connecting corridor concourses and bridges, Notes: Revised from "…to be determined by the AHJ on a case-by-case…" to "…to be determined per section 1.3 on a case-by-case…"

- Temporary Buildings, Notes: Revised from "…to be determined by the AHJ on a case-by-case…" to "…to be determined per section 1.3 on a case-by-case…"

c. Section 1.4.1.7 Other Considerations, 3rd paragraph: Revised from "…case-by-case basis by the AHJ for overseeing implementation of physical security and resiliency requirements for the facility" to "…case-by-case basis per section 1.3".

d. Section A-1.4.2b.2, last paragraph: Replaced the first "by the AHJ" with "per section 1.3 Administration and Enforcement". Replaced the next "by the AHJ" with "per section 1.3".

e. Section 2.1 Scope, Purpose, and Goals, 5th paragraph: Revised from "…risk assessment will be reviewed by the VA AHJ for overseeing implementation of physical security and resiliency requirements for the facility…" to "…risk assessment will be reviewed per section 1.3 Administration and Enforcement".

f. Section 2.2 Risk Assessment of VA Facilities, Figure 2-1 Deviation/Equivalency Process by Project Specific Risk Assessment:

- Revised from "Submit request for Exceptions/Equivalencies for review by AHJ" to "Submit request for Exceptions/Equivalencies per section 1.3"

- Revised from "Obtain determination from AHJ" to "Obtain determination per section 1.3"

g. Section 2.3 Exceptions and Deviations, 1st paragraph: Revised from

"…deviation must be submitted to the respective AHJ (as defined in section 1.3 Administration and Enforcement) for review following the procedures of this section. For VHA facilities, requests must be submitted to the Healthcare Environment and Facilities Programs Oversight Committee on Physical Security and Resiliency, who provides oversights and guidance on engineering issues related to the physical security and resiliency of VHA facilities and their operation."

To

"…deviation must be submitted per section 1.3 Administration and Enforcement."

h. Section 2.3.1 Exceptions: Revised from "…and approved by the AHJ who is responsible for overseeing implementation of the facility's physical security and resiliency requirements" to "…and approved per section 1.3 Administration and Enforcement."

i. Section 2.3.2 Procedures for Exceptions and Deviations, 1st paragraph: Revised from " …submitted to the AHJ for review and approval" to "…submitted per section 1.3."

j. Section 2.3.2.2 Review and Approval Procedures:

- 1st bullet point: Revised from "Obtain concurrence from the AHJ responsible for overseeing implementation of physical security and resiliency requirements for the facility; follow…" to "Obtain concurrence per section 1.3; follow…"

- 2nd bullet point: Deleted "AHJ" before "determination".

k. Section 2.4 Application of Requirements in Common Project Scopes, Table 2-1 Project Scopes/Requirements:

- Row #10, right column: Revised from "Consult with AHJ to identify requirements" to "Submit a request per section 1.3 to identify requirements".

- Row #18, right column: Revised from "…on a case-by-case by the AHJ" to "…on a case-by-case per section 1.3".

- Row #18, right column: Revised from "…by the region/network and approved by the AHJ, must determine…" to "…by the region/network and VACO per section 1.3, must determine…".

l. Section 3.1 Scope, Purpose, and Goals, 3rd paragraph: Revised from

"… (see section 2.3 Exceptions and Deviations). The VA AHJ, defined in section 1.3 Administration and Enforcement, overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

m. Section 3.4.2 Gates, 2nd paragraph: Deleted "or as prescribed by the AHJ" from "…Gates must be access card operated from the outside or as prescribed by the AHJ. The vehicular gates…"

n. Section 4.1 Scope, Purpose, and Goals, 5th paragraph; Section 5.1 Scope, Purpose, and Goals, 3rd paragraph: Revised from

"… (see section 2.3 Exceptions and Deviations). The VA AHJ, defined in section 1.3 Administration and Enforcement, overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

o. Section 5.2.1 Adjacencies, last sentence: Deleted "consult with the AHJ for additional requirements and security measures" after "…require that such a location be used".

p. Section 5.4.5 Alteration/Renovation of Existing Facilities – Computer Room: Deleted the last sentence, "Consult with AHJ for additional requirements or mitigations to provide protection for the space in its existing location".

q. Section 6.1 Scope, Purpose, and Goals:

- 2nd paragraph, last sentence: Revised from "…is granted by the VA AHJ" to "…is granted per section 1.3 Administration and Enforcement."

- 4th paragraph: Revised from

"… (see section 2.3 Exceptions and Deviations). The VA AHJ, defined in section 1.3 Administration and Enforcement, overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

r. Section 6.1.2 Explosive Weights and Calculation of Blast Loads, 2nd paragraph: Revised from

"…when land use agreements by the local VA facility's authority and the AHJ (see section 1.3 Administration and Enforcement) are in effect to…"

To

"…when land use agreements approved by the local VA facility Director and with concurrence per section 1.3 Administration and Enforcement, are in effect to…"

s. Section 7.1 Scope, Purpose, and Goals:

- 2nd paragraph, last sentence: Revised from "…is granted by the VA AHJ, defined in section 1.3 Administration and Enforcement" to "…is granted per section 1.3 Administration and Enforcement."

- 5th paragraph: Revised from

"… (see section 2.3 Exceptions and Deviations). The VA AHJ overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

t. Section 7.1.1 Explosive Weights and Calculation of Blast Loads, 2nd paragraph: Revised from

"…when land use agreements by the local VA facility's authority and the AHJ (see section 1.3 Administration and Enforcement) are in effect to…"

To

"…when land use agreements approved by the local VA facility Director and with concurrence per section 1.3 Administration and Enforcement, are in effect to…"

u. Section 8.1 Scope, Purpose, and Goals, 3rd paragraph: Revised from

"…(see section 2.3 Exceptions and Deviations). The VA AHJ, defined in section 1.3 Administration and Enforcement, overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

v. Section 8.5.2 Storage Volume Criteria:

- 1st paragraph: Replaced "approval from the AHJ" with "concurrence per section 1.3 Administration and Enforcement"

- 3rd bullet point: Revised from

  "…An Emergency Water Supply Plan (EWSP) must be developed and approved by the AHJ as part of the facility's Emergency Operations Plan (EOP), refer to Chapter 2. The EWSP must be approved in writing at the planning stage…"

  To

  "…An Emergency Water Supply Plan (EWSP) must be developed by the facility and receive concurrence from the facility Director and per section 1.3 Administration and Enforcement as part of the facility's Emergency Operations Plan (EOP) in writing at the planning stage…"

w. Section 9.1 Scope, Purpose, and Goals, 3rd paragraph: Revised from

"…(see section 2.3 Exceptions and Deviations). The VA AHJ, defined in section 1.3 Administration and Enforcement, overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

x. Sections 9.4.1.3, 9.4.2.3, 9.4.3.2 - 1st bullet point, last sentence: Replaced "by the AHJ" with "per section 1.3 Administration and Enforcement."

y. Section 10.1 Scope, Purpose, and Goals, 4th paragraph: Revised from

"…(see section 2.3 Exceptions and Deviations). The VA authority having jurisdiction (AHJ), defined in section 1.3 Administration and Enforcement, overseeing implementation of physical security and resiliency requirements for the facility will review submitted request for deviation from the baseline requirements of this chapter. When no risk assessment…"

To

"…(see section 2.3 Exceptions and Deviations). Requests for deviation from the baseline requirements of this chapter must be submitted per section 1.3 Administration and Enforcement. When no risk assessment…"

z. Chapter 11 Glossary & Acronyms, Baseline Requirements: Replaced "by the AHJ" with "per section 1.3 Administration and Enforcement."

2. Clarify fenestration blast design requirements for renovation of existing facilities.

a. Section 6.3.2.2: Revised from

"Glass replacement upgrades must comply with the requirements of 6.3.1.1 Glass and 6.3.1.2 Glazing."

To

"Glass replacement upgrades must incorporate laminated glass; for insulated glazing units (IGUs) the laminated glass is required only for the inner lite. Glazing must be restrained in the mullions with a continuous bead of structural silicone adhesive attaching the inner lite of glass to the frame. Structural silicone width must be the maximum feasible within the existing frame bite."

b. Section 6.3.2.3: Revised from

"Window replacement upgrades and "storm-window" upgrades interior to existing façade must comply with all the requirements of 6.3.1.1 Glass and 6.3.1.2 Glazing."

To

"Window replacement upgrades and "storm-window" upgrades interior to existing façade must incorporate laminated glass; for insulated glazing units (IGUs) the laminated glass is required only for the inner lite. Glazing must be

restrained in the mullions with a minimum ½" bite and a minimum 3/8" wide continuous bead of structural silicone adhesive attaching the inner lite of glass to the frame."

3. Clarification of requirements for protection of utilities and equipment.

   a. Section 8.6 Protection of Utilities and Equipment: Replaced the 1st and 2nd paragraphs,

      "Protect all fuel storage, water/fuel pumping, metering, and regulating equipment with blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. At-grade storage (for water and fuel) or supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. For water storage (including elevated water towers and storage tanks), provide fence at a minimum as a pedestrian barrier; a blast resistant wall is not required. All tanks must remain functional and accessible during emergencies.
      Underground storage vaults must be watertight, and tanks secured to prevent buoyancy. When located beneath roadway or surface parking, adequate blast protection must be provided against a potential blast from vehicle above in accordance with section 7.2.5 Buried Utilities and Buried Equipment. Intakes and vents for vaults must be located above grade, above the base flood level elevation, unobstructed, and in areas not subject to flooding. Secure underground storage tanks to prevent buoyancy. Provide electronic security system for access control, intrusion detection, and monitoring of the critical equipment in accordance with Chapter 10."

      With

      "The protection of all utilities and equipment (above grade, buried/below grade, and at grade) must comply with Table 8-3 Protection of Utilities and Equipment.

      - Above Grade – Utilities, equipment, and components that are located above the ground or on the ground surface.
      - Buried/Below Grade - Utilities, equipment, and components that are located below the ground surface.
      - At Grade – Equipment or components that are level (flush) with the ground surface, visible, and accessible to vehicles and pedestrians, including roadways, parking lots, sidewalks, or landscape areas. Examples include access points (such as manholes or intakes) or other equipment and component installed in a pit (such as backflow preventors).

Table 8-3 Protection of Utilities and Equipment

Utilities and Equipment	Locations/Requirements
Utility lines (Electrical, natural gas, steam, water)	**Above grade:** Provide blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. **Buried/below grade:** Provide protection against a potential blast from vehicle above in accordance with section 7.2.5 Buried Utilities and Buried Equipment.
Storage tanks: Fuel	**Above grade:** Provide blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. Supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. All tanks must remain functional and accessible during emergencies. **Buried/below grade:** Storage vaults must be watertight, with tanks secured to prevent buoyancy. Provide protection against a potential blast from vehicle above in accordance with section 7.2.5 Buried Utilities and Buried Equipment.
Storage tanks and tower: Water	**Above grade:** Storage or supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. All tanks must remain functional and accessible during emergencies. For water storage tanks and elevated water towers, provide fence as a pedestrian barrier; blast resistant screen walls are not required. **Buried/below grade:** Storage vaults must be watertight, with tanks secured to prevent buoyancy. Provide protection against a potential blast from vehicle above in accordance with section 7.2.5 Buried Utilities and Buried Equipment.
Equipment (such as meters, pumps, regulating equipment)	**Above grade:** Provide blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. Comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. **Buried/below grade:** Provide protection against a potential blast from vehicle above in accordance with section 7.2.5 Buried Utilities and Buried Equipment.
Various above grade components of buried utilities and buried equipment	**Above grade:** Intakes and vents for vaults must be located above grade, above the base flood level elevation, unobstructed, and in areas not subject to flooding[37]. Above grade components for buried utilities and buried equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers, and be provided a fence as a pedestrian barrier and electronic security system for access control, intrusion detection, and monitoring of the critical equipment in accordance with Chapter 10.
Access points (such as manholes),	**At grade:** The VA facility must access the risk at each location of the at-grade utility structure. If determined to be high risk, it must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers, and be provided a fence as

Utilities and Equipment	Locations/Requirements
equipment and component.	a pedestrian barrier and electronic security system for access control, intrusion detection, and monitoring of the critical equipment in accordance with Chapter 10.

Summary of Modifications/Changes in this Update

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Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Section 1.3 Administration and Enforcement (clarification of compliance): Revised the first paragraph from

   > "The physical security and resiliency requirements in this manual apply to all design and construction projects for new facilities, and renovation/alteration of existing facilities. These projects include but are not limited to projects in VA's Major, Minor and Non-Recurring Maintenance (NRM) construction programs, for which design is begun on or after the effective date of this design manual."

   to

   > "The physical security and resiliency requirements in this manual apply to all design and construction projects for new facilities, and renovation/alteration of existing facilities for which design is begun on or after the effective date of this design manual."

2. Imaging Service (clarification of designation):

    a. Table 1-2 MC Facilities: Removed “imaging Center – inpatient”
    b. Table 1-3 LSP Facilities w/ MC Util/Sys Redundancies: Removed “Imaging Center – outpatient”
    c. Table 1-5 Facilities w/ Varying Designations: Added “Imaging Service”. It is “To be designed to the same level as the highest buildings the Imaging Service supports”
    d. Table 1-7 VHA Strategic Planning Categories/Designations: Removed “Amb: Radiology”

3. Table 1-8 NCA Criteria and Requirements (correction of typo error) : For Administrative buildings, under the Applicable Requirements column, corrected the section # from 3.2 to 3.3 for Standoff Distance

4. Table 2-1 Project Scopes/Requirements (clarification of project scope), line 11: Revised the Project Scope from “Phased projects or series of projects” to “Phased projects or series of projects in a building”

5. Section 6.3.1.3, 2nd paragraph (clarification for blast design of windows): Revised the paragraph from

    “For windows with glazing lay-up governed by non-blast requirements (such as, hurricane, forced entry, fabrication, handling, and ballistic), mullions/frames are to be designed for the capacity of the glazing that would be required to meet the blast requirements only. All flexural elements and their connections must be designed and detailed such that no brittle failure mode limits the capacity of the section. Unless the element is designed to remain elastic in response to blast loading, ductile failure modes must be the governing failure mode for flexural elements and their connections and splices. When the elements are designed to resist the calculated blast loads elastically, the design of non-ductile modes of failure must include a 1.5 factor of safety on the calculated forces.”

    to

    “For the blast design of windows with glazing lay-up governed by non-blast requirements (such as, hurricane, forced entry, fabrication, handling, and ballistic), mullions/frames are to be designed for the capacity of the glazing that would be required to meet the blast requirements only (i.e. both conditions in Table 6-4 must be met, however, for the Balanced Load Deformation Limits criteria, the lay-up of the glass is to be based on the lay-up that would be required to resist blast only and not the actual lay-up). All flexural elements and their connections must be designed and detailed such that no brittle failure mode limits the capacity of the section. Unless the element is designed to remain elastic in response to blast loading, ductile failure modes must be the

governing failure mode for flexural elements and their connections and splices. When the elements are designed to resist the calculated blast loads elastically, the design of non-ductile modes of failure must include a 1.5 factor of safety on the calculated forces."

6. Section 6.3.2 Alteration/Renovation of Existing Facilities – Fenestration (clarification): Added subsection "6.3.2.5 Complete replacement of non-load-bearing façade must comply with Chapter 6 requirements for new construction."

7. Chapter 11 Glossary - Screened Vehicle (clarification of the vehicle screening process):

    a. Revised the definition for Screened Vehicle from

    "Screened Vehicle: Motor vehicle that has been examined systematically to determine whether a security threat that needs to be mitigated is present."

    to

    "Screened Vehicle: A screened vehicle is a motor vehicle that has undergone a vehicle inspection to determine whether a security threat is present. A vehicle is considered screened if it is operated by pre-authorized individuals who have followed VA's security pre-screening processes and/or have been issued a VA Personal Identity Verification (PIV) card, a vendor/contractor badge, or has been provided with an access code for deliveries within secured areas. Vehicle inspections and the pre-authorized individuals must pass through a vehicle access control point operating 24/7/365. See "Screening" and Vehicle Inspection".

    b. Added the definition for Screening:

    "Screening: The process of searching and/or validating an individual and/or vehicle in order for them to attain access to a controlled area/building/facility. See 'Screened Vehicle'."

    c. Revised the definition for Vehicle Inspection from:

    "Vehicle Inspection: Examining vehicles for contraband such as explosives using physical search, K-9 searches, trace element sampling, x-ray, or other means."

    to

    "Vehicle Inspection: Examining vehicles for contraband such as explosives using physical search, K-9 searches, trace element sampling, x-ray, or other means. This includes inspection of interior space, occupants, truck, engine compartment, etc."

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Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Table 1-2 MC Facilities: Deleted "Emergency Command Center" from the table.

2. Table 1-5 Facilities with/Varying Designations: Under "Warehouse", revised the Note from

   "Default designation is LSP. Designation must be upgraded to LSP w/ MC Utilities/Systems Redundancies when storage includes caches (all-hazards emergency cache, pharmacy cache), controlled and sensitive material/substances deemed critical to continuity of operation."

   to

   "Default designation is LSP. Designation must be upgraded to LSP w/ MC Utilities/Systems Redundancies when storage includes controlled and sensitive material/substances deemed critical to continuity of operation."

3. Table 2-1 Project Scopes/Requirements:
    a. Lines 4 and 5: Added “of multiple floors” after “Alteration/renovation”
    b. Line 6: Revised Project Scope from “Alteration/renovation (≥50% of area of one single floor of an existing building)” to “Alteration/renovation of a single floor (≥50% of area of the floor of an existing building)
    c. Line 7: Revised Project Scope from “Alteration/renovation (<50% of area of one single floor of an existing building)” to “Alteration/renovation of a single floor (<50% of area of the floor of an existing building)
    d. Added Line 21.

        Project scope: “Replacement and alteration of buried utilities and buried equipment”.

        Baseline Physical Security & Resiliency Requirements: “For buried utilities and buried equipment, when the project scope does not include alteration of the ground/road surface or site condition, upgrading the surface or site condition to comply with the PSRDM is not required. When buried utilities/equipment are modified (e.g. rerouted, replaced) as part of the project scope, or where the ground/road surface adjacent to or above buried utilities is modified as part of the project scope, comply with the requirements of Section 7.2.5 only for the portion of the utility being modified or the portion below or adjacent to the work area.”

4. Section 5.2 Caches: All-Hazards Emergency Cache and Pharmacy Cache: Added a 3rd paragraph as follow:

    “To ensure the protection and availability of pharmacy cache and all-hazards cache for the continuity of operations, facilities are required to conduct a risk analysis of the location(s) where pharmacy cache and all-hazards cache are planned to be stored. The risk analysis must assess at a minimum, the level of compliance (i.e. in full, partially, or not at all) with the requirements for the building physical security and resiliency designation (i.e. MC, LSP, LSP w/ MC Utilities/Systems Redundancies), and whether those requirements are sufficient to ensure continuity of operations in terms of the cache. The risk analysis must also assess how the facility will protect and ensure access to the pharmacy cache and all-hazards cache for continuity of operations as part of the facility’s emergency management program. All other requirements stipulated in the PSRDM for caches must be followed.”

5. Section 5.7.1.2: Replaced “Fire or Incident Command Centers” with “Fire Command Center or Incident Command Center/Emergency Operations Center”

6. Section 5.8 Fire Command Center, 1st paragraph: Added “(equivalent to Emergency Command Center defined in NFPA 101)” after “FCC”.

7. Section 5.9 Incident Command Center: Replaced the heading “Incident Command Center” with “ Incident Command Center (ICC)/Emergency Operations Center (EOC)”.

8. Sections 5.9.1, 5.9.3.3, 5.9.4, and 5.9.5: Replaced “Incident Command Center” or “ICC” with “ICC/EOC”.

9. Sections 5.10.1.1 and 5.11.1.2 Prohibited Adjacencies: Replaced “Incident Command Center” with “Incident Command Center/Emergency Operations Center”.

10. Section 7.2.7:
    a. Replaced the heading “Alteration/Renovation of Existing Facilities — Column Protection” with “Alteration/Renovation of Existing Facilities”.
    b. Added a 3rd paragraph, “The location and site conditions of buried utilities/equipment must be evaluated to meet the requirements of section 7.2.5 Buried Utilities and Buried Equipment when the project scope includes site work associated with the facility being renovated. Reference Table 2-1 for requirements associated with work taking place to a portion of a system or utility.

11. Section 8.6 Protection of Utilities and Equipment: Revised the 1st paragraph from

    “Protect all water and fuel storage, water/fuel pumping, metering, and regulating equipment with blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. At-grade storage or supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. For elevated water towers, fence is acceptable as a barrier and a blast resistant wall is not required. All tanks must remain functional and accessible during emergencies”

    to

    “Protect all fuel storage, water/fuel pumping, metering, and regulating equipment with blast-resistant screen walls or barriers that comply with section 6.2 Non-Load Bearing Exterior Walls and section 7.2.4 Screen Walls and Penthouse Structure. At-grade storage (for water and fuel) or supporting equipment must comply with section 3.3 Standoff Requirements and section 3.6 Anti-Ram Rated Vehicular Barriers. For water storage (including elevated water towers and storage tanks), provide fence at a minimum as a pedestrian barrier; a blast resistant wall is not required. All tanks must remain functional and accessible during emergencies.”

12. Section 9.2.2.3:
    a. Revised the section heading from “Hurricane Areas” to “Hurricane-Prone and Wind-Borne Debris Regions”.
    b. In the first sentence, replaced “areas prone to hurricanes or wind debris hazards” with “hurricane-prone regions and wind-borne debris regions”.

13. Section 9.2.3 Alteration/Renovation of Existing Facilities – HVAC Systems: Replaced "Hurricane Areas" with "Hurricane-Prone and Wind-Borne Debris Regions".

14. Section 9.3.3.1 Standby Electrical Systems: Replaced "regions prone to hurricanes" with "hurricane-prone regions".

15. Section 10.1.5 Requirements for Subject Matter Specialists: Added "See Chapter 10 Annex A-10.1.5 for specialist certification organizations" at the end of paragraph.

16. Annex to Chapter 10: Added new Section A-10.1.5.

A-10.1.5 Specialists Certification Organizations: The following table lists organizations for specialist certifications required in this manual.

Specialists Certifications	**Certification Organizations**	**PSRDM Sections**
Certified Protection Professional (CPP)	American Society for Industrial Security (ASIS) International, https://www.asisonline.org/	2.2
Physical Security Professional (PSP)	American Society for Industrial Security (ASIS) International, https://www.asisonline.org/	2.2, 10.1.5.3
Global Industrial Cyber Security Professional (GICSP)	Global Information Assurance Certification (GIAC), https://www.giac.org/	10.1.5.1
Certified Information Systems Security Professional (CISSP)	International Information System Security Certification Consortium $(ISC)^2$, https://www.isc2.org/	10.1.5.1
Registered Communications Distribution Designer (RCDD®)	Building Industry Consulting Service International (BICSI), https://www.bicsi.org/	10.1.5.2
Certified System Integrator (CSI)	Control System Integrators Association (CSIA), https://www.controlsys.org/	10.1.5.3

Certified Fire Alarm Designer (CAFD)	Electronic Security Association (ESA), https://esaweb.org/	10.1.5.3
Certified Service Technician (CST)	Electronic Security Association (ESA), https://esaweb.org/	10.1.5.3

17. Chapter 11 GLOSSARY & ACRONYMS:
    a. Updated the definitions for:
        i. Cache
        ii. Emergency Operations Center (EOC)
        iii. Fire Command Center (FCC)
        iv. Hospital Command Center (HCC)
        v. Incident Command Center (ICC)
        vi. Incident Command Post
    b. Replaced the definition for “Hurricane Areas” with the definition of “Hurricane-Prone Regions”.
    c. Added the definition for “Wind-Borne Debris Regions”.

Summary of Modifications/Changes in this Update

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Physical Security and Resiliency Design Manual

SUMMARY OF CHANGES IN THIS VERSION:

1. Section 1.4.1 Physical Security and Resiliency Designations for VA Facilities: Replaced "Exempt Facilities" with "Partially Exempt Facilities".

2. Section 1.4.1.5, 1st paragraph:

    a. Replaced "Exempt Facilities: These facilities are exempt from the requirements of this manual" with "Partially Exempt Facilities: These facilities are exempt from specific requirements in this manual as indicated in Table 1-6 below . The facilities must comply with applicable requirements for LSP facilities in other chapters and sections".

3. Section 1.4.1.5, Table 1-6:
    a. Changed the table title from "Exempt Facilities" to "Partially Exempt Facilities".
    b. In Maintenance Storage (Non-biomedical Equipment), added "and Non-Mission Critical Equipment Support".
    c. Deleted "Sheds and relocatable buildings" from the list of facilities.

d. Added two columns to the table to indicate the specific requirements being exempted.

4. Table 1-8 National Cemetery Administration Criteria and Requirements: In the "NCA Facility Type/Service" column, added "(for potable water, not irrigation)" after "Water supply".

5. Added "Certain non-medical buildings may be exempt from the requirements of this chapter or section(s) in this chapter. Refer to Section 1.4.1.5 Partially Exempt Facilities for details" to the following paragraphs:

    a. Section 3.1, end of 3rd paragraph
    b. Section 4.1, end of 5th paragraph
    c. Section 6.1, end of 4th paragraph
    d. Section 7.1, end of 5th paragraph
    e. Section 8.1, end of 3rd paragraph
    f. Section 9.1, end of 3rd paragraph
    g. Section 10.1, end of 4th paragraph

6. Section 5.6 Emergency and/or Standby Generator Room, 2nd paragraph: Deleted "EXCEPTION: Self-enclosed (weather enclosure), skid-mounted generator sets are NOT required to meet hardening or stand-off distance requirements" from the 2nd bullet point.

7. Chapter 6 Annex: Replaced the section number "A-6.1.2g" with "A-6.1.3" to align with Section 6.1.3, 2nd paragraph regarding exterior stairwells/walkways.

8. Section 7.1.2 Applicability and Exempted Structures: Replaced "ASCE 59-11" with "ASCE/SEI 59-11".

9. Section 7.3.2 Base Shear Calculation: Added the following notes after the equation:

    "Notes:

    1) The value of Response Modification Coefficient, R, from ASCE/SEI 7 for Seismic Force-Resisting Systems will be used for the design ductility μ.

    2) The following load cases must be included:

    • Load Case 1, façade blast load: The total impulse collected on the façade and transferred to the building's lateral system must be based on the greater of the GP blast load or the balanced design load (see Chapter 6).

    • Load Case 2, structure blast load: The total impulse transferred to the building's lateral system must include the blast load calculated based on W at standoff distance, applied to the perimeter primary structural components that are part of the building enclosure. Structural components must be considered part of the

building enclosure if they are not protected by a blast resistant façade or if their exterior face is less than 6 inches from the interior face of the blast resistant façade."

10. Section 7.5.1 Vehicle Barriers, 1st paragraph: Replaced "section 3.5 Anti-Ram Rated Vehicle Barriers" with "section 3.6 Anti-Ram Rated Vehicle Barriers" in the last sentence.

11. Replaced "ASCE7-10" with "ASCE/SEI 7" in the following locations:
    a. Section 9.2.2.3 Hurricane Areas
    b. Section 9.3.3.1 Standby Electrical System
    c. Chapter 11 Glossary & Acronyms – Hurricane Areas

12. Chapter 12 References - American Society of Civil Engineers (ASCE): Replaced "ASCE/SEI 7, Minimum Design Loads for Buildings and Other Structures (Third Printing)" with "ASCE/SEI 7, Minimum Design Loads and Associated Criteria for Buildings and Other Structures".

13. Appendix B Security System Application Matrix: Deleted "(Wells)" after "Water Supply Systems" under National Cemetery Administration.

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SUMMARY OF CHANGES IN THIS VERSION:

1. Updated the Authority Having Jurisdiction (AHJ) for VHA.
2. Added Facility Designations for Medical Records Storage in standalone central storage facilities in Table 1-2 and Medical Records Storage within other facilities in Table 1-5.
3. Added new section, 7.2.5 Buried Utilities and Buried Equipment, and re-numbered two subsequent existing sections.
4. Updated the title of section 8.6. Added language in section 8.6 to reference the new section 7.2.5.

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Physical Security Design Manual for VA Mission Critical Facilities
Physical Security Design Manual for VA Life-Safety Protected Facilities

SUMMARY OF CHANGES IN THIS VERSION:

1. Major Reorganization: This Design Manual provides the physical security and resiliency requirements for VA facilities in one volume instead of two volumes for the 2015 edition. Each chapter contains the requirements for facilities of various designations.

2. Update of Requirements: Many requirements in all chapters and disciplines have been updated.

3. Update of Definitions: "Mission Critical Facilities (MC)", "Life-Safety Protected Facilities (LSP)", and "LSP Facilities with MC Utilities/Systems Redundancies" are defined in the beginning of Chapter 1 and in Chapter 11.

4. Major update of the list of VA facilities and the Physical Security & Resiliency Designations: Section 1.4 lists the VA facilities according to the following designations:
   a. MC Facilities
   b. LSP Facilities w/ MC Utilities/Systems Redundancies
   c. LSP Facilities
   d. Facilities w/ Varying Designations
   e. Exempt Facilities

5. New Chapter 2 - Direction on Using the Physical Security and Resiliency Design Manual: This new chapter addresses coordination of risk assessments and planning. Table 2-1 addresses requirements applicability for various project scopes.

6. Chapter Annexes: Additional information on topics are provided in chapter annexes.