

# 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:**

August 1, 2023

**TITLE OF DOCUMENT:**

Surgical and Endovascular Service Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

June 1, 2023

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

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Revise Table of Contents to reflect removal of Room Template.
2. Revise Section 4 to remove Immediate Use Sterilization Room (ORSR1) per Standards Alert 021 dated July 7, 2023.

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**DATE OF THIS VERSION:**

June 1, 2023

**TITLE OF DOCUMENT:**

Surgical and Endovascular Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

February 1, 2023

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

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Change title of existing Appendix to Appendix A.
2. Add Appendix B, Hypothetical Integrated Interventional Platform.
3. Add Appendix C, VA Surgery and Endovascular Services, A Compendium.

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**DATE OF THIS VERSION:**

February 1, 2023

**TITLE OF DOCUMENT:**

Surgical and Endovascular Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

December 1, 2022

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

**SUMMARY OF CHANGES IN THIS VERSION:**

The following amendments/revisions were made to clarify and update Part 2 Narrative of the design guide standards.

**Typographical Errors:** Numerous non-critical typographical errors have been corrected in Part 2 Narrative.

**2.2.2. Architectural / Ceilings:** Ceilings for Surgical Operating Rooms; Endovascular Procedure Rooms; Scrub Alcoves and Clean Core have been codified to avoid interpretation.

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**DATE OF THIS VERSION:**

December 1, 2022

**TITLE OF DOCUMENT:**

Surgical and Endovascular Service Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

November 1, 2022

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

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Section 2 Narrative was ported from one software package to another to facilitate future updates. This resulted in changes in pagination. There are no technical changes in this update.
2. Table of Contents was updated to show latest page numbers in Section 2.
3. Cover was updated to show date of latest modification.

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## DATE OF THIS VERSION:

November 1, 2022

## TITLE OF DOCUMENT:

Surgical and Endovascular Design Guide

## DATE OF VERSION BEING SUPERSEDED (old):

August 1, 2022

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

## SUMMARY OF CHANGES IN THIS VERSION:

1. Table of Contents revised to include revised page numbers, and additional material added to Section 4.
2. Section 2 revised to include:
  - Scrub Station Alcove Plan:** Double scrub sink configuration is shown at entry to Surgical Operating Room and Endovascular Procedure Rooms, also should a one or three station sink be requested, the size of the alcove should be adjusted to accommodate the sink to contain water spashing.
  - Cardiopulmonary Bypass (CPB):** Description added to narrative. The CPB itself is often referred to as a heart-lung machine or “the pump”. Cardiopulmonary bypass pumps are operated by perfusionists. CPB is a form of extracorporeal circulation. Extracorporeal membrane oxygenation is generally used for longer-term treatment.
  - CPB Floor Plan:** Heart-lung Machine Room or “the pump room” floor plan and photograph.
  - Control Room:** Expanded description and revised floor plan added. Emphasis added regarding **emergency battery backup power** for surgical and ambient lighting within surgical and endovascular procedure rooms.
3. Section 4 revised to include updated Room Templates for the following Paragraph numbers and Room Codes:

4.5 ORGS1  
4.6 OROS1  
4.7 ORCS1  
4.8 ORCT1  
4.9 ORHL1  
4.10 ORNS1  
4.11 ORRB1  
4.12 ORTR1  
4.13 ORHY1  
4.14 ORHY2  
4.15 ORHC1

New Room Template added for Paragraph/Room Code:

4.25 ORHY3

4. Appendix and Surgical and Endovascular Procedure Room Checklist revised.

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**DATE OF THIS VERSION:**

August 1, 2022

**TITLE OF DOCUMENT:**

Surgical and Endovascular Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

May 1, 2022

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

**SUMMARY OF CHANGES IN THIS VERSION:**

Chapter 2-Narrative has been revised and updated to include:

1. **Phase I and Phase II Recovery:** Patient Prep Phase II Recovery Diagram, Minor Revisions.
2. **Control Room:** Diagrammatic floor plan and verbiage added.
3. **Paragraph added:** 2.1.3 The Technological Future of Surgery.

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**DATE OF THIS VERSION:**

May 1, 2022

**TITLE OF DOCUMENT:**

Surgical and Endovascular Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

February 1, 2022

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

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**SUMMARY OF CHANGES IN THIS VERSION:**

Chapter 2-Narrative has been revised and updated to include:

1. Definition and Role of the Structural Cardiologist
2. Revised Phase I Recovery - Patient Prep-Phase II Recovery Diagram
3. Clarified Corridor Widths
4. Clarified design of the Control Room, stating that combining control rooms to service two endovascular procedure room and/or Hybrid OR's is not permissible.



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**DATE OF THIS VERSION:**

February 1, 2022

**TITLE OF DOCUMENT:**

Surgical and Endovascular Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

September 1, 2021

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

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**SUMMARY OF CHANGES IN THIS VERSION:**

Chapter 2-Narrative has been revised and updated to include:

1. *Example of Patient Prep/Phase II Recovery and Phase I Recovery (PACU) Layout*
2. *Clarification of Width*

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## DATE OF THIS VERSION:

September 1, 2021

## TITLE OF DOCUMENT:

Surgical and Endovascular Design Guide

## DATE OF VERSION BEING SUPERSEDED (old):

April 1, 2020

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

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## SUMMARY OF CHANGES IN THIS VERSION:

Chapter 1-General, Chapter 2-Narrative, and Chapter 3 Functional Diagrams have been revised and updated to include:

1. *Chapter 1 Acknowledgements*
2. *Size of Operating Rooms*
3. *Phase 1 Recovery Post Anesthesia Care Unit (PACU) definition added*
4. *Formatting spelling and grammatical corrections have been made within each Chapter*
5. *All functional diagrams have been "colorized"*
6. *Clean core diagram has been updated and annotated*

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**DATE OF THIS VERSION:**

April 1, 2020

**TITLE OF DOCUMENT:**

Surgical and Endovascular Services Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

July 1, 2019

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

Surgical and Endovascular Services Design Guide

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Chapters 1 General and Chapter 2 Narrative have been totally revised such as, -Size of operating rooms, - Post Anesthesia Care Unit, - Formatting, spelling, and grammatical corrections.

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**DATE OF THIS VERSION:**

July 1, 2019

**TITLE OF DOCUMENT:**

Surgical and Endovascular Services Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

March 1, 2019

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

Surgical and Endovascular Services Design Guide

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Table of Contents updated to reflect correct pages for topics in Section 2.
2. Section 2 - Pages 2-30 thru 2-41 minor adjustments to accommodate expanded content pertaining to Medical Gas and Vacuum Systems starting on Page 2-35.

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**DATE OF THIS VERSION:**

March 1, 2019

**TITLE OF DOCUMENT:**

Surgical and Endovascular Services Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

November 1, 2018

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

Surgical and Endovascular Services Design Guide

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Chapter 1 - Acknowledgements updated to reflect current leadership and staff.
2. Chapter 2 - Pages 2-34 and 2-35 pertaining to return air grilles and sanitary systems.

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

**DATE OF THIS VERSION:**

November 1, 2018

**TITLE OF DOCUMENT:**

Surgical and Endovascular Services Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

May 1, 2018

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

Surgical and Endovascular Services Design Guide

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Chapter 2 - Section 2.1.1 - Clinical and Operational Summary - Hybrid "Universal" Operating Room: Delete paragraph showing guidance on 220 Volt outlet for laser procedures.
2. Chapter 2 - Section 2.2.6 - Electrical Systems:
  - a) Replace current title "Electrical Systems" with new title "Lighting and Power Systems".
  - b) Revise Lighting and Power sections to reflect latest and correct information.
3. Chapter 4 - Sections 4.2 through 4.24 - Room Data Sheet - Lighting and Power: Lighting and Power guidance have been updated to reflect the latest and correct information.

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## DATE OF THIS VERSION:

May 1, 2018

## TITLE OF DOCUMENT:

Surgical and Endovascular Services Design Guide

## DATE OF VERSION BEING SUPERSEDED (old):

July 1, 2017

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

Surgical and Endovascular Services Design Guide

## SUMMARY OF CHANGES IN THIS VERSION:

The narrative portion of the Surgical and Endovascular Design Standards has been updated throughout the entire document to resolve/clarify disconnects and discrepancies in the initial 2016 design standard rollout.

- The terminology of Cardiac catheterization laboratory as well as electrophysiology laboratory has been changed to procedure room.
- A sterile field graphic has been included to clearly define its parameters.
- Heading Identifiers have been more clearly emphasized.
- Clinical personal definitions has been inserted.
  - Interventional Cardiologist
  - Electrophysiologist
  - Vascular Surgeon
- Orthopedic surgery definition has been clarified
- Urology/Cystoscopy Operating Room has been clarified.
- The term hybrid OR is now known as a "Universal" OR has it can be utilized for numerous procedures
- Graphics inserted to identify multiple Universal and Endovascular OR/Procedure Rooms.

- Graphics inserted to identify the clean core and OR configuration about same.
- Reference to VHA Directive 1043 included to emphasize changes in clinical programs.



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## **DATE OF THIS REVISION (new)**

July 1, 2017

## **TITLE OF DOCUMENT (new title if applicable):**

Surgical and Endovascular Services Design Guide

## **DATE OF VERSION BEING:**

April 1, 2016 Rev 5/1/2017

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

Surgical and Endovascular Services Design Guide

## **SUMMARY OF CHANGES IN THIS VERSION:**

1. Section 02 Narrative: changes occurred on pages 2-24, 2-25, and 2-27 concerning ceiling materials and the air pressurization diagram.
2. Section 04 Room Templates: changes occurred on pages 4-216 through 4-232 in room titles and page footers.

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**DATE OF THIS REVISION (new)**

May 1, 2017

**TITLE OF DOCUMENT (new title if applicable):**

Surgical and Endovascular Services Design Guide

**DATE OF VERSION BEING:**

April 1, 2016 Rev 2/1/2017

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

Surgical and Endovascular Services Design Guide

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Section 02 Narrative: changes occurred on pages 2-28 and 2-29 concerning laminar flow diffusers and return air requirements.

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## DATE OF THIS VERSION (new)

February 1, 2017

## TITLE OF DOCUMENT (new title if applicable):

Surgical and Endovascular Services Design Guide

## DATE OF VERSION BEING SUPERSEDED (old):

April 1, 2016

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

Surgical Services: Standard, Intermediate or Complex Center Design Guide

## SUMMARY OF CHANGES IN THIS VERSION:

1. Name of the Design Guide was refined, see above.
2. User defined JSN's have been assigned approved JSN's, see below.

S2610 replaces U0402	M8805 replaces U3093	M4855 replaces U4098
M4287 replaces U0112	M8560 replaces U3094	M7860 replaces U4099
M4280 replaces U0114	M3190 replaces U3096	A5104 replaces U3092
M7801 replaces U0116	M7862 replaces U3098	M4813 replaces U4097
M7802 replaces U0117	P2451 replaces U3099	S1905 replaces U4102
L0221 replaces U0118	M8528 replaces U4091	M3161 replaces U4100
S9755 replaces U0124	M3150 replaces U4092	M3155 replaces U4093
S9756 replaces U0126	M8826 replaces U4094	E0949 replaces U0127
M4806 replaces U4095		

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**DATE OF THIS VERSION:**

April 15, 2016

**TITLE OF DOCUMENT:**

Surgical Services Design Guide

**DATE OF VERSION BEING SUPERSEDED (old):**

August 1, 2005

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

Surgical Service Design Guide

**SUMMARY OF CHANGES IN THIS VERSION:**

1. Completely Revised and Updated to include Surgical Services and Interventional Procedures.