

**COMMISSION ACTION MATRIX**  
**AGENCY: DIVISION OF THE STATE ARCHITECT – STRUCTURAL SAFETY [DSA-SS 03/18]**

**2019 CALIFORNIA MECHANICAL CODE**  
**CCR, TITLE 24, PART 4 (2018 UMC)**

**LEGEND:**

Item numbers refer to those presented to the Code Advisory Committees (CAC)s  
**(CAC)s:**

- ACCESS = Accessibility
- BFO = Building, Fire & Other
- HF = Health Facilities
- PEME = Plumbing, Electrical, Mechanical, and Energy
- SDLF = Structural Design/Lateral Forces
- GB = Green Building

**CAC Actions:**

- AA = Approve as amended
- AS = Approve as submitted
- D = Disapprove
- FS = Further Study
- STFS-Short Term Further Study

**Agency Response:**

- A = Accept
- D = Disagree
- W/D = Withdraw

**Amendments, if indicated by agency:**

- S = Statutory
- E = Existing
- N = New

**Matrix Paper Color (Used for Comm. Action Only):**

- GREEN = uncontested items
- YELLOW = challenged items
- SALMON = W/D, no action required

**PEME CODE ADVISORY COMMITTEE (DSA-SS)**

**CHAPTER 1 – ADMINISTRATION**

Continue Chapter 1, Division I (California Administration) of the 2013 triennial edition of the CMC for publication in the 2016 triennial edition of the CMC, with DSA proposed editorial amendments as shown below

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-1	<i>DIVISION I CALIFORNIA ADMIN</i>	E	AS	A		Editorial Change to italics	
DSASS 03/18-2	1.1.1 Title	E	AS	A		Editorial amend	
DSASS 03/18-3	<del>1.9.2.1 Adopting Agency Identification</del>	E	AS	A		Relocate language to Item 03/18-11 below	
DSASS 03/18-4	<del>1.9.2.2.1 Adopting Agency Identification</del>	E	AS	A		Editorial amend & relocated	
DSASS 03/18-5	Enforcing Agency	E	AS	A		Amend	
DSASS 03/18-6	<del>1.9.2.1.1 Adopting Agency Identification</del>	N	AS	A		Relocated and amended code section	
DSASS 03/18-7	<del>1.9.2.3 Adopting Agency Identification</del>	E	AS	A		Repeal languge (see section 1.9.2.1.1 above)	

DSASS 03/18-8	<u>1.9.2.2-4</u>	E	AS	A		Renumber and add parenthesis	
DSASS 03/18-9	<u>1.9.2.2;</u> <u>Application</u>	E	AS	A		Renumber	
DSASS 03/18-10	<u>1.9.2.2;</u> <u>Enforcing Agency</u>	E	AS	A		Amend	
DSASS 03/18-11	<u>1.9.2.2;</u> <u>References,</u> <u>1.9.2.2.1</u> <u>Adopting Agency</u> <u>Identification</u>	E/N	AS	A		Relocated language from Item 03/18-3 with editorial renumber	
DSASS 03/18-12	<u>DIVISION II</u> <u>DIVISION II</u>	E	AS	A		Editorial Change to italics	
DSASS 03/18-13	101.1 Title; <u>California</u> <u>Mechanical Code</u>	E	AS	A		Editorial Amend. Change code name from Uniform to California	

## CHAPTER 2 - DEFINITIONS

Repeal Chapter 2 (Definitions) of the 2015 edition UMC.

Adopt Chapter 2 (Definitions) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-14	Entire Chapter	E	AS	A		Repeal Chapter 2 (Definitions) of the 2015 edition UMC. Adopt Chapter 2 (Definitions) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC.	

## CHAPTER 3 - GENERAL REGULATIONS

Repeal Chapter 3 (General Requirements) of the 2015 edition UMC.

Adopt Chapter 3 (General Requirements) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
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DSASS 03/18-15	Entire Chapter	E	AS	A		Repeal Chapter 3 (General Requirements) of the 2015 edition UMC. Adopt Chapter 3 (General Requirements) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC. See amendments below.	
DSASS 03/18-16	312.1	E	AS	A		Editorial	

#### CHAPTER 4 - VENTILATION AIR SUPPLY

Repeal Chapter 4 (Ventilation Air Supply) of the 2015 edition UMC.

Adopt Chapter 4 (Ventilation Air Supply) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-17	Entire Chapter	E	AS	A		Repeal Chapter 4 (Ventilation Air Supply) of the 2015 edition UMC. Adopt Chapter 4 (Ventilation Air Supply) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC. See amendments below.	
DSASS 03/18-18	<u>401.2.Filters</u>	E/N	AS	A		Relocated from Chapter 5 Section 503.3 with amendments	
DSASS 03/18-19	<u>401.2.Filters;</u> <i>Repeal Exception 4</i>	E/N	AS	A		Relocated from Chapter 5 Section 503.3 with amendments. CAC: Voted AS Post CAC DSA: proposes to repeal exception 1 and renumber exception 2 to exception 1 based on CEC recommendations. Coordinate with BSC on a co-adopted language.	
DSASS 03/18-20	<u>401.2.1 Labeling</u>	E/N	AS	A		Relocated from Chapter 5 Section 503.3.1 with amendments	

DSASS 03/18-21	402.1 Occupied Spaces	E	AS	A		Amend	
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#### CHAPTER 5 - EXHAUST SYSTEMS

Repeal Chapter 5 (Exhaust Systems) of the 2015 edition UMC.

Adopt Chapter 5 (Exhaust Systems) of the 2018 edition UMC with existing DSA and California amendments carried forward for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amend-8 (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-22	Entire Chapter	E	AS	A		Repeal Chapter 5 (Exhaust Systems) of the 2015 edition UMC. Adopt Chapter 5 (Exhaust Systems) of the 2018 edition UMC with existing DSA and California amendments carried forward for publication in the 2019 triennial edition of the CMC. See amendments below.	
DSASS 03/18-23	<del>503.3 Filters</del>	E	AS	A		Relocate to Chapter 4 Section 401.2 with amendments	
DSASS 03/18-24	<del>503.3 Filters; Exception 1 &amp; 2</del>	E	AS	A		Relocate to Chapter 4 Section 401.2 with amendments	
DSASS 03/18-25	<del>503.3.1 Labeling</del>	E	AS	A		Relocate to Chapter 4 Section 401.2.1	
DSASS 03/18-26	<del>513.2.2 standard; Exceptions &amp; Exception 2</del>	E	AS	A		Editorial amendment	

#### CHAPTER 6 - DUCT SYSTEMS

Repeal Chapter 6 (Duct Systems) of the 2015 edition UMC.

Adopt Chapter 6 (Duct Systems) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-27	Entire Chapter	E	AS	A		Repeal Chapter 6 (Duct Systems) of the 2015 edition UMC.	

						Adopt Chapter 6 (Duct Systems) of the 2018 edition UMC with existing California amendments carried forward for publication in the 2019 triennial edition of the CMC.	
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**CHAPTER 7 - COMBUSTION AIR**

Repeal Chapter 7 (Combustion Air) of the 2015 edition UMC.

Adopt Chapter 7 (Combustion Air) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-28	Entire Chapter	E	AS	A		Repeal Chapter 7 (Combustion Air) of the 2015 edition UMC. Adopt Chapter 7 (Combustion Air) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.	

**CHAPTER 8 - CHIMNEYS AND VENTS**

Repeal Chapter 8 (Chimneys and Vents) of the 2015 edition UMC.

Adopt Chapter 8 (Chimneys and Vents) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-29	Entire Chapter	E	AS	A		Repeal Chapter 8 (Chimneys and Vents) of the 2015 edition UMC. Adopt Chapter 8 (Chimneys and Vents) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.	

**CHAPTER 9 - INSTALLATION OF SPECIFIC APPLIANCES**

Repeal Chapter 9 (Installation of Specific Appliances) of the 2015 edition UMC.

Adopt Chapter 9 (Installation of Specific Appliances) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-30	Entire Chapter	E	AS	A		Repeal Chapter 9 (Installation of Specific Appliances) of the 2015 edition UMC. Adopt Chapter 9 (Installation of Specific Appliances) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.	

#### CHAPTER 10 - STEAM AND HOT WATER BOILERS

Repeal Chapter 10 (Boilers and Pressure Vessels) of the 2015 edition UMC.

Adopt Chapter 10 (Boilers and Pressure Vessels) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-31	Entire Chapter	E	AS	A		Repeal Chapter 10 (Boilers and Pressure Vessels) of the 2015 edition UMC. Adopt Chapter 10 (Boilers and Pressure Vessels) of the 2018 edition UMC without amendment for publication in the 2019 triennial edition of the CMC.	

#### CHAPTER 11 - REFRIGERATION

Repeal Chapter 11 (Refrigeration) of the 2015 edition UMC.

Adopt Chapter 11 (Refrigeration) of the 2018 edition UMC without DSA amendment for publication in the 2018 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-32	Entire Chapter	E	AS	A		Repeal Chapter 11 (Refrigeration) of the 2015 edition UMC. Adopt Chapter 11 (Refrigeration) of the 2018 edition UMC with existing amendment for	

						publication in the 2019 triennial edition of the CMC.	
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#### CHAPTER 12 - HYDRONICS

Repeal Chapter 12 (Hydronics) of the 2015 edition UMC.

Adopt Chapter 12 (Hydronics) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-33	Entire Chapter	E	AS	A		Repeal Chapter 12 (Hydronics) of the 2015 edition UMC. Adopt Chapter 12 (Hydronics) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.	

#### CHAPTER 13 - FUEL GAS PIPING

Repeal Chapter 13 (Fuel Gas Piping) of the 2015 edition UMC.

Adopt Chapter 13 (Fuel Gas Piping) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-34	Entire Chapter	E	AS	A		Repeal Chapter 13 (Fuel Gas Piping) of the 2015 edition UMC. Adopt Chapter 13 (Fuel Gas Piping) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.	

#### CHAPTER 14 - PROCESS PIPING

Repeal Chapter 14 (Process Piping) of the 2015 edition UMC.

Adopt Chapter 14 (Process Piping) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-35	Entire Chapter	E	AS	A		Repeal Chapter 14 (Process Piping) of the 2015 edition UMC. Adopt Chapter 14 (Process Piping) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC	

#### CHAPTER 15 - SOLAR SYSTEMS

Repeal Chapter 15 (Solar Systems) of the 2015 edition UMC.

Adopt Chapter 15 (Solar Systems) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-36	Entire Chapter	E	AS	A		Repeal Chapter 15 (Solar Systems) of the 2016 edition UMC. Adopt Chapter 15 (Solar Systems) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC	

#### CHAPTER 16 - STATIONARY POWER PLANTS

Repeal Chapter 16 (Stationary Power Plants) of the 2015 edition UMC.

Adopt Chapter 16 (Stationary Power Plants) of the 2018 edition UMC without DSA amendment for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-37	Entire Chapter	E	AS	A		Repeal Chapter 16 (Stationary Power Plants) of the 2015 edition UMC. Adopt Chapter 16 (Stationary Power Plants) of the 2018 edition UMC without DSA	

						amendment for publication in the 2019 triennial edition of the CMC.	
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**CHAPTER 17 - REFERENCED STANDARDS**

Repeal Chapter 17 (Referenced Standards) of the 2015 edition UMC.

Adopt Chapter 17 (Referenced Standards) 2018 edition UMC with DSA amendments continued for publication in the 2019 triennial edition of the CMC.

Item Number	Code Section	Type of amendment (S, E, N)	CAC: (AS, AA, D, FS, STFS)	Agency Response to CAC (A, D, W/D)	45-Day Comments (AS, AA, D, FS)	Annotations	CBSC Action (AS, AA, D, FS)
DSASS 03/18-38	Entire Chapter	E	AS	A		Repeal Chapter 17 (Referenced Standards) of the 2015 edition UMC. Adopt Chapter 17 (Referenced Standards) 2018 edition UMC with DSA amendments continued for publication in the 2019 triennial edition of the CMC.	

**APPENDIX CHAPTER A – RESIDENTIAL PLAN EXAMINER REVIEW FORM FOR HVAC SYSTEM DESIGN**

DSA is not proposing the adoption of Appendix A (Residential Plan Examiner Review Form for HVAC System Design) of the 2018 edition UMC. DSA did not adopt Appendix A (Residential Plan Examiner Review Form for HVAC System Design) of the 2015 edition UMC.

**APPENDIX CHAPTER B – PROCEDURES TO BE FOLLOWED TO PLACE GAS EQUIPMENT IN OPERATION**

DSA is not proposing the adoption of Appendix B (Procedures to be Followed to Place Gas Equipment in Operation) of the 2018 edition UMC. DSA did not adopt Appendix B (Procedures to be Followed to Place Gas Equipment in Operation) of the 2015 edition UMC.

**APPENDIX CHAPTER C - INSTALLATION AND TESTING OF OIL (LIQUID) FUEL-FIRED EQUIPMENT**

DSA is not proposing the adoption of Appendix C (Installation and Testing of Oil [Liquid] Fuel-Fired Equipment) of the 2018 edition UMC. DSA did not adopt Appendix C (Installation and Testing of Oil [Liquid] Fuel-Fired Equipment) of the 2015 edition UMC.

**APPENDIX D-FUEL SUPPLY: MANUFACTURED/MOBILE HOME PARKS AND RECREATIONAL VEHICLE PARKS**

DSA is proposing to adopt Appendix D (Fuel Supply: Manufactured/Mobile Home Parks and Recreational Vehicle Parks) of the 2018 edition UMC. DSA adopted Appendix D (Fuel Supply: Manufactured/Mobile Home Parks and Recreational Vehicle Parks) of the 2015 edition UMC.

**APPENDIX E-SUSTAINABLE PRACTICES**

DSA is not proposing the adoption of Appendix E (Sustainable Practices) of the 2018 edition UMC. DSA did not adopt Appendix E (Sustainable Practices) of the 2015 edition UMC.

**APPENDIX F-SIZING OF VENTING SYSTEMS AND OUTDOOR COMBUSTION AND VENTILATION OPENING DESIGN**

DSA is not proposing the adoption of Appendix F (Sizing of Venting Systems and Outdoor Combustion and Ventilation Opening Design) of the 2018 edition UMC. DSA did not

adopt Appendix F (Sizing of Venting Systems and Outdoor Combustion and Ventilation Opening Design) of the 2015 edition UMC.

**APPENDIX G-EXAMPLE CALCULATION OF OUTDOOR AIR RATE**

DSA is not proposing the adoption of Appendix G (Example Calculation of Outdoor Air Rate) of the 2018 edition UMC. DSA did not adopt Appendix G (Example Calculation of Outdoor Air Rate) of the 2015 edition UMC.

(All existing amendments that are not revised above shall continue without any change)