Desired Status of Handbook Chapters, January 2018

TC	Volume	No.	Title	Proofs have been or will soon be sent to authors for final review	TCs should be voting on final revisions NOW or by June	TCs should be revising chapters	TCs should have appointed subcommittee chairs and revisers for chapters
01.01	Fundamentals	2	Thermodynamics and Refrigeration Cycles (pt 1 of 2)				
01.01	Fundamentals	1	Psychrometrics				
01.02	Fundamentals	37	Measurement and Instruments				
01.03	Fundamentals	6	Mass Transfer				
01.03	Fundamentals	5	Two-Phase Flow				✓
01.03	Fundamentals	4	Heat Transfer				✓
01.03	Fundamentals	3	Fluid Flow				✓
01.03	Fundamentals	33	Physical Properties of Materials				
01.04	Fundamentals	7	Fundamentals of Control				
01.04	HVAC Applications	47	Design and Application of Controls				
01.05	HVAC Applications	40	Computer Applications				
01.06	Fundamentals	38	Abbreviations and Symbols				
01.06	Fundamentals	39	Units and Conversions				
01.08	Fundamentals	23	Insulation for Mechanical Systems				
01.09	HVAC Applications	56	Electrical Considerations				
01.10	HVAC Systems and Equipment	7	Combined Heat and Power Systems				
01.10	HVAC Systems and Equipment	8	Combustion Turbine Inlet Cooling				
01.11	HVAC Systems and Equipment	45	Motors, Motor Controls, and Variable-Speed Drives				
01.12	Fundamentals	36	Moisture Management in Buildings				
01.12	HVAC Applications	62	Moisture Management in Buildings				
01.13	Fundamentals	##	Optimization				
02.01	Fundamentals	9	Thermal Comfort				
02.01	Fundamentals	12	Odors				✓

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02.02	HVAC Applications	25	Drying and Storing Selected Farm Crops				
02.02	HVAC Applications	24	Environmental Control for Animals and Plants				
02.03	Fundamentals	11	Air Contaminants				✓
02.03	HVAC Applications	46	Air Cleaners for Gaseous Contaminants				
02.04	HVAC Systems and Equipment	29	Air Cleaners for Particulate Contaminants			✓	
02.05	Fundamentals		Global Climate Change				
02.06	Fundamentals	8	Sound and Vibration				
02.06	HVAC Applications	48	Noise and Vibration Control				
02.07	HVAC Applications	55	Seismic- and Wind- Resistant Design				
02.08	Fundamentals	35	Sustainability				
02.08	Fundamentals	34	Energy Resources				
02.09	HVAC Applications	60	Ultraviolet Air and Surface Treatment				
02.09	HVAC Systems and Equipment	17	Ultraviolet Lamp Systems				
03.01	Fundamentals	31	Physical Properties of Secondary Refrigerants				
03.01	Fundamentals	29	Refrigerants				✓
03.01	Fundamentals	30	Thermophysical Properties of Refrigerants				
03.02	Refrigeration	6	Refrigerant System Chemistry				
03.03	Refrigeration	7	Control of Moisture and Other Contaminants in Refrigeration Systems				
03.04	Refrigeration	12	Lubricants in Refrigerant Systems				
03.06	HVAC Applications	49	Water Treatment: Deposition, Corrosion, and Biological Control				
03.08	Refrigeration	9	Refrigerant Containment, Recovery, Recycling, and Reclamation				

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04.01	Fundamentals	17	Residential Cooling and Heating Load Calculations				
04.01	Fundamentals	18	Nonresidential Cooling and Heating Load Calculations				
04.02	Fundamentals	14	Climatic Design Information				
04.03	Fundamentals	16	Ventilation and Infiltration				
04.03	Fundamentals	24	Airflow Around Buildings				
04.03	HVAC Applications	45	Building Air Intake and Exhaust Design				
04.04	Fundamentals	27	Heat, Air, and Moisture Control: Examples				
04.04	Fundamentals	26	Heat, Air, and Moisture Control in Building Assemblies—Material Properties				
04.04	Fundamentals	25	Heat, Air, and Moisture Control in Building Assemblies—Fundam entals				
04.04	HVAC Applications	44	Building Envelopes				
04.05	Fundamentals	15	Fenestration				
04.07	Fundamentals	19	Energy Estimating and Modeling Methods				
04.10	Fundamentals	13	Indoor Environmental Modeling				
04.10	HVAC Applications	963 2	Indoor Air Modeling				
05.01	HVAC Systems and Equipment	21	Fans				
05.02	Fundamentals	21	Duct Design				
05.02	HVAC Systems and Equipment	19	Duct Construction				
05.03	Fundamentals	20	Space Air Diffusion				
05.03	HVAC Applications	57	Room Air Distribution				
05.03	HVAC Systems and Equipment	20	Room Air Distribution Equipment				

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05.04	HVAC Systems and Equipment	30	Industrial Gas Cleaning and Air Pollution Control				
05.05	HVAC Systems and Equipment	26	Air-to-Air Energy Recovery Equipment				
05.06	HVAC Applications	53	Fire and Smoke Management				
05.07	HVAC Applications	52	Evaporative Cooling				
05.07	HVAC Systems and Equipment	41	Evaporative Air- Cooling Equipment				
05.08	HVAC Applications	32	Industrial Local Exhaust Systems				
05.08	HVAC Applications	31	Ventilation of the Industrial Environment		✓		
05.08	HVAC Systems and Equipment	28	Unit Ventilators, Unit Heaters, and Makeup Air Units (pt 3 of 3)				
05.09	HVAC Applications	15	Enclosed Vehicular Facilities				
05.10	HVAC Applications	33	Kitchen Ventilation				
05.11	HVAC Systems and Equipment	22	Humidifiers			✓	
06.01	Fundamentals	22	Pipe Design				
06.01	HVAC Systems and Equipment	44	Centrifugal Pumps				
06.01	HVAC Systems and Equipment	46	Pipes, Tubes, and Fittings				
06.01	HVAC Systems and Equipment	47	Valves			✓	
06.01	HVAC Systems and Equipment	48	Heat Exchangers			✓	
06.01	HVAC Systems and Equipment	28	Unit Ventilators, Unit Heaters, and Makeup Air Units (pt 1 and 2 of 3)				
06.01	HVAC Systems and Equipment	32	Boilers				
06.01	HVAC Systems and Equipment	36	Hydronic Heat- Distributing Units and Radiators				
06.01	HVAC Systems and Equipment	15	Medium- and High- Temperature Water Heating				
06.01	HVAC Systems and Equipment	14	Condenser Water Systems				

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06.01	HVAC Systems and Equipment	13	Hydronic Heating and Cooling				
06.01	HVAC Systems and Equipment	989 8	Chilled-Water Plants				
06.01	HVAC Systems and Equipment	11	Steam Systems				
06.02	HVAC Systems and Equipment	12	District Heating and Cooling				
06.03	HVAC Systems and Equipment	33	Furnaces				
06.03	HVAC Systems and Equipment	10	Small Forced-Air Heating and Cooling Systems				
06.05	HVAC Applications	51	Snow Melting and Freeze Protection				
06.05	HVAC Applications	54	Radiant Heating and Cooling				
06.05	HVAC Systems and Equipment	34	Residential In-Space Heating Equipment				
06.05	HVAC Systems and Equipment	16	Infrared Radiant Heating				
06.05	HVAC Systems and Equipment	6	Radiant Heating and Cooling				
06.06	HVAC Applications	50	Service Water Heating				
06.07	HVAC Applications	35	Solar Energy Use				
06.07	HVAC Systems and Equipment	37	Solar Energy Equipment				
06.08	HVAC Applications	34	Geothermal Energy				
06.08	HVAC Systems and Equipment	9	Applied Heat Pump and Heat Recovery Systems				
06.09	HVAC Systems and Equipment	51	Thermal Storage				
06.10	Fundamentals	28	Combustion and Fuels				
06.10	HVAC Systems and Equipment	35	Chimney, Vent, and Fireplace Systems				
06.10	HVAC Systems and Equipment	31	Automatic Fuel- Burning Systems				
07.01	HVAC Applications	58	Integrated Building Design				
07.03	HVAC Applications	39	Operation and Maintenance Management				

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07.05	HVAC Applications	42	Supervisory Control Strategies and Optimization		✓		
07.05	HVAC Applications	61	Smart Building Systems				
07.06	HVAC Applications	41	Building Energy Monitoring				
07.06	HVAC Applications	36	Energy Use and Management				
07.07	HVAC Applications	38	Testing, Adjusting, and Balancing				
07.07	HVAC Systems and Equipment	52	Possible new chapter on TAB instrumentation				
07.08	HVAC Applications	37	Owning and Operating Costs				
07.09	HVAC Applications	43	HVAC Commissioning				
08.01	HVAC Systems and Equipment	43	Liquid-Chilling Systems (pt 1 of 2)				
08.01	HVAC Systems and Equipment	38	Compressors (pt 1 of 2)				
08.01	Refrigeration	8	Factory Dehydrating, Charging, and Testing	✓			
08.02	HVAC Systems and Equipment	43	Liquid-Chilling Systems (pt 2 of 2)				
08.02	HVAC Systems and Equipment	38	Compressors (pt 2 of 2)				
08.03	Fundamentals	2	Thermodynamics and Refrigeration Cycles (pt 2 of 2)				
08.03	Refrigeration	18	Absorption Cooling, Heating, and Refrigeration Equipment	✓			
08.04	HVAC Systems and Equipment	39	Condensers (pt 1 of 3)				
08.04	HVAC Systems and Equipment	23	Air-Cooling and Dehumidifying Coils				
08.04	HVAC Systems and Equipment	27	Air-Heating Coils				
08.04	Refrigeration	14	Forced-Circulation Air Coolers				
08.05	HVAC Systems and Equipment	42	Liquid Coolers				
08.05	HVAC Systems and Equipment	39	Condensers (pt 2 of 3)				
08.06	HVAC Systems and Equipment	40	Cooling Towers				

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08.06	HVAC Systems and Equipment	39	Condensers (pt 3 of 3)				
08.07	HVAC Systems and Equipment	18	Variable Refrigerant Flow				
08.08	Refrigeration	11	Refrigerant-Control Devices				
08.09	Refrigeration	17	Household Refrigerators and Freezers	✓			
08.10	HVAC Systems and Equipment	25	Mechanical Dehumidifiers and Related Components			✓	
08.10	HVAC Systems and Equipment		Dedicated Outdoor Air Systems				
08.11	HVAC Applications	1	Residences				
08.11	HVAC Systems and Equipment	50	Room Air Conditioners and Packaged Terminal Air Conditioners				
08.11	HVAC Systems and Equipment	49	Unitary Air Conditioners and Heat Pumps				
08.12	Fundamentals	32	Sorbents and Desiccants				✓
08.12	HVAC Systems and Equipment	24	Desiccant Dehumidification and Pressure-Drying Equipment				
09.01	HVAC Systems and Equipment	5	In-Room Terminal Systems				
09.01	HVAC Systems and Equipment	4	Air Handling and Distribution				
09.01	HVAC Systems and Equipment	3	Central Cooling and Heating Plants				
09.01	HVAC Systems and Equipment	1	HVAC System Analysis and Selection				
09.01	HVAC Systems and Equipment	2	Decentralized Cooling and Heating				
09.02	HVAC Applications	21	Textile Processing Plants				
09.02	HVAC Applications	29	Mine Air Conditioning and Ventilation				
09.02	HVAC Applications	28	Nuclear Facilities				
09.02	HVAC Applications	27	Power Plants				

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09.02	HVAC Applications	26	Air Conditioning of Wood and Paper Product Facilities		V		
09.02	HVAC Applications	22	Photographic Material Facilities				
09.02	HVAC Applications	20	Printing Plants				
09.02	HVAC Applications	17	Engine Test Facilities				
09.02	HVAC Applications	30	Industrial Drying Systems				
09.02	HVAC Applications	14	Industrial Air Conditioning				
09.03	HVAC Applications	11	Mass Transit				
09.03	HVAC Applications	13	Ships				
09.03	HVAC Applications	12	Aircraft				
09.03	HVAC Applications	10	Automobiles				
09.04	HVAC Applications	9	Justice Facilities				
09.06	HVAC Applications	8	Health Care Facilities				
09.07	HVAC Applications	7	Educational Facilities				
09.08	HVAC Applications	5	Places of Assembly				
09.08	HVAC Applications	23	Museums, Galleries, Libraries, and Archives		 ✓ 		
09.08	HVAC Applications	3	Commercial and Public Buildings				
09.08	HVAC Applications	2	Retail Facilities				
09.08	HVAC Applications	6	Hotels, Motels, and Dormitories				
09.08	HVAC Applications	963 3	Fire Stations				
09.08	HVAC Applications	963 4	Natatoriums				
09.08	HVAC Applications	963 5	Atriums				
09.09	HVAC Applications	19	Data Processing and Telecommunication Facilities				

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09.10	HVAC Applications	16	Laboratories				
09.11	HVAC Applications	18	Clean Spaces		✓		
09.12	HVAC Applications	4	Tall Buildings				
10.01	Refrigeration	47	Cryogenics	✓			
10.01	Refrigeration	4	Liquid Overfeed Systems				
10.01	Refrigeration	13	Secondary Coolants in Refrigeration Systems				
10.01	Refrigeration	46	Refrigeration in the Chemical Industry				
10.01	Refrigeration	48	Ultralow- Temperature Refrigeration				
10.01	Refrigeration	49	Biomedical Applications of Cryogenic Refrigeration	✓			
10.01	Refrigeration	5	Component Balancing in Refrigeration Systems				
10.01	Refrigeration	50	Terminology of Refrigeration				
10.01	Refrigeration	45	Concrete Dams and Subsurface Soils	✓			
10.02	Refrigeration	44	Ice Rinks				
10.02	Refrigeration	43	Ice Manufacture	\checkmark			
10.03	Refrigeration	1	Halocarbon Refrigeration Systems				
10.03	Refrigeration	2	Ammonia Refrigeration Systems	✓			
10.03	Refrigeration	3	System Practices for Carbon Dioxide Refrigerant				
10.03	Refrigeration	10	Insulation Systems for Refrigerant Piping				
10.05	Refrigeration	34	Eggs and Egg Products				
10.05	Refrigeration	36	Citrus Fruit, Bananas, and Subtropical Fruit				
10.05	Refrigeration	42	Chocolates, Candies, Nuts, Dried Fruits, and Dried Vegetables				
10.05	Refrigeration	41	Bakery Products	✓			

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10.05	Refrigeration	40	Processed and Prepared Foods				
10.05	Refrigeration	39	Beverages	✓			
10.05	Refrigeration	32	Fishery Products				
10.05	Refrigeration	37	Vegetables	✓			
10.05	Refrigeration	35	Deciduous Tree and Vine Fruit				
10.05	Refrigeration	33	Dairy Products				
10.05	Refrigeration	31	Poultry Products	✓			
10.05	Refrigeration	20	Cooling and Freezing Times of Foods				
10.05	Refrigeration	38	Fruit Juice Concentrates and Chilled-Juice Products				
10.05	Refrigeration	19	Thermal Properties of Foods				
10.05	Refrigeration	30	Meat Products				
10.05	Refrigeration	21	Commodity Storage Requirements				
10.05	Refrigeration	22	Food Microbiology and Refrigeration				
10.05	Refrigeration	23	Refrigerated-Facility Design				
10.05	Refrigeration	28	Methods of Precooling Fruits, Vegetables, and Cut Flowers	✓			
10.05	Refrigeration	29	Industrial Food- Freezing Systems				
10.06	Refrigeration	26	Marine Refrigeration				
10.06	Refrigeration	27	Air Transport	✓			
10.06	Refrigeration	25	Cargo Containers, Rail Cars, Trailers, and Trucks				
10.07	Refrigeration	15	Retail Food Store Refrigeration and Equipment				
10.07	Refrigeration	16	Food Service and General Commercial Equipment				
10.08	Refrigeration	24	Refrigerated-Facility Loads				
EHC	Fundamentals	10	Indoor Environmental Health				
Staff	HVAC Applications	63	Codes and Standards				

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TG2.H VAC	HVAC Applications	59 HVAC Security				