The 2015 IECC
What Are The Changes?

Industry Services Division
Dept. of Safety & Professional Services
Randy Dahmen, PE
As of December 2018
The Code is divided into two (2) sets of provisions:

- IECC Commercial Provisions (C)
- IECC Residential Provisions (R)

- Chapter 1 Scope and Administration
- Chapter 2 Definitions
- Chapter 3 Climate Zones & General Materials Requirements
- Chapter 4 Energy Efficiency Requirements
- Chapter 5 Existing Buildings
- Chapter 6 Referenced Standards
The requirements for *Commercial Provisions* (All commercial bldgs inclusive of those residential bldgs 4 stories or more) are found in the “C” section with Chapters 1-6:

- Scope and Administration
- Definitions
- General Requirements
- Commercial Energy Efficiency
- Existing Buildings
- Referenced Standards
The requirements for *Residential Provisions* (All residential buildings 3 stories or less above grade w/ 3 dwelling units or more) are found in the “R” section with Chapters 1-6:

- Scope and Administration
- Definitions
- General Requirements
- Commercial Energy Efficiency
- Existing Buildings
- Referenced Standards
The sections in this chapter are generally numbered to correspond to the numbering used in the IECC, with:

- a 0 to the right of the decimal point referring to the Commercial Provisions (C), and
- a 5 to the right of the decimal point referring to the Residential Provisions (R) of the IECC.

*i.e. SPS 363.0101 refers to section IECC C101 and SPS 363.5101 refers to section IECC R101.*
Commercial Bldgs to comply with one (1):

- ASHRAE 90.1-2013
- IECC via Section C402-C405 (Not C406)
- The requirements of Sections C402.5, C403.2, C404, C405.2 through C405.4, C405.6 & C407. The building energy cost shall be equal to less than the standard reference design building.
Total Building Performance

- Apply SPS 363.0407 -- The requirements in IECC section C403.2.7 (energy recovery ventilation system requirements) are NOT required to be demonstrated as means of compliance with this section.

- Use of IECC section C407 requires the total building energy cost to be equal to or less than the standard reference design building, as required under IECC section C401.2 item 3.
Compliance Options for 2015 IECC

PRESCRIPTIVE APPROACH

- **2015 IECC**
  - (Must use 2009 IECC Tables 502.2(1) & 502.1.2 for Opaque Assys for the bldg envelope instead of 2015 IECC Tables C402.1.3 & C402.1.4)
  - Must use 2015 IECC version for lighting with WI amendments

- **ASHRAE 90.1-2013**
  - Must use Tables 5.5 for building envelope
  - Must use Chapter 8 for lighting with WI amendments
Compliance Options for 2015 IECC

PERFORMANCE APPROACH

- **2015 IECC**
  - Comcheck-Set for “IECC 2015” per SPS 363.0407 or
  - Apply IECC C407 “Total Building Performance”

- **ASHRAE 90.1-2013**
  - Comcheck-Set for “90.1 (2013) Standard” per SPS 363.0407 or
  - Apply ASHRAE “Energy Cost Budget Method”
SPS 363.0401(4) does **NOT** require that IECC C406 requiring “Additional Efficiency Package Options” be met.

The building design **MUST** address:

- C402 Envelope
- C403 Mechanical
- C404 Lighting
- C405 Service Water Heating
Rooms Containing Fuel-Burning Appliances
C402.5.3 & R402.4.4

- Where open combustion air ducts provide combustion air to open combustion space conditioning fuel burning appliances, the appliances & combustion air openings shall be located outside of the building thermal envelope or enclosed in a room isolated from inside the thermal envelope.

- Exceptions:
  - Direct vent appliance with both intake & exhaust pipe installed to the outside
  - Fireplaces & stoves complying w/IMC 901-905 & IBC 2111.13
Rooms Containing Fuel-Burning Appliances

C402.5.3

- Doors into the room to be fully gasketed.
- Any water lines & ducts in the room insulated per C403.
- Combustion air duct to be insulated to minimum R-8 when passing through a conditioned space.
Bldg entrances to be protected with enclosed vestibules

Exceptions:

- Doors not intended for public use
- Doors that open directly from a space less than 3,000 sf
- Revolving doors
- *Doors that have an air curtain with a velocity > 6.56 ft/s at the floor that have been tested per ANSI/AMCA 220, with manual or automatic controls per C408.2.3*
Vestibules
C402.5.7
Example of an air curtain installed in the field
New minimum equipment efficiencies are addressed for multitudes of HVAC equipment types.

Equipment not meeting the minimum efficiency requirements of the code may still be available & sold for installation, although such equipment would not be code compliant. *(Be careful!!)*
<table>
<thead>
<tr>
<th>EQUIPMENT TYPE</th>
<th>SIZE CATEGORY</th>
<th>SUBCATEGORY OR RATING CONDITION</th>
<th>MINIMUM EFFICIENCY</th>
<th>TEST PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air cooled (Cooling mode)</td>
<td>&lt; 65,000 Btu/h</td>
<td>Split system</td>
<td>13.0 SEER (before Jan. 1, 2016) 14.0 SEER (as of Jan. 1, 2016)</td>
<td>AHRI 210/240</td>
</tr>
<tr>
<td></td>
<td>≥ 65,000 Btu/h and &lt;135,000 Btu/h</td>
<td>Single package</td>
<td>13.0 SEER (before Jan. 1, 2016) 14.0 SEER (as of Jan. 1, 2016)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>≥ 135,000 Btu/h and &lt;240,000 Btu/h</td>
<td>Split system and single package</td>
<td>11.0 EER (before Jan. 1, 2016) 11.2 IEER (as of Jan. 1, 2010)</td>
<td>AHRI 340/360</td>
</tr>
<tr>
<td></td>
<td>≥ 240,000 Btu/h</td>
<td>Split system and single package</td>
<td>9.3 EER (before Jan. 1, 2010) 10.6 EER (as of Jan. 1, 2010)</td>
<td></td>
</tr>
<tr>
<td>Through-the-Wall (Air cooled, cooling mode)</td>
<td>&lt;30,000 Btu/h</td>
<td>Split System</td>
<td>10.9 SEER (Before January 23, 2010) 12.0 SEER (as of January 23rd 2010)</td>
<td>AHRI 210/240</td>
</tr>
<tr>
<td></td>
<td>86° F Entering Water</td>
<td>Single Package</td>
<td>10.6 SEER (Before January 23, 2010) 12.0 SEER (as of January 23rd 2010)</td>
<td></td>
</tr>
<tr>
<td>Water Source (Cooling Mode)</td>
<td>&lt; 17,000 Btu/h</td>
<td>86° F Entering Water</td>
<td>11.2 EER</td>
<td>AHRI/ASHRAE 13256-1</td>
</tr>
</tbody>
</table>
Controls (Mandatory)  
C403.2.4.3

- Stairway & shaft vent dampers to be installed with automatic controls configured to open up on activation of any fire alarm initiating device of the building’s fire alarm system or the interruption of power to the damper

✓ **Exceptions:**
  - Gravity dampers permitted in buildings < 3 stories
  - Gravity dampers permitted for outside air intake or exhaust airflows of 300 cfm (0.14 m³/s) or less
Freeze Protection System Controls
C403.2.4.6

Systems such as heat tracing of outdoor piping and heat exchangers, including self-regulated heat tracing to include:

- Automatic controls configured to shut off the system when outdoor air temperatures are > 40°F OR
- When conditions of the protected fluid will prevent freezing
Air cooled unitary direct expansion units & Variable Refrigerant Flow (VRF) units equipped with an economizer must include a Fault Detection and Diagnostics (FDD) system complying with the following:

- Outside air, supply air & return air temperature sensors must be permanently installed.
- Temperature sensors must have an accuracy of +/- 2°F over the range of 40°F to 80°F.
- Refrigerant pressure sensors, where used, must have an accuracy of +/- 3% of full scale.
Air cooled unitary direct expansion units & VRF units equipped with an economizer must include a Fault Detection and Diagnostics (FDD) system complying with the following:

- Unit controller must be capable of providing system status, manually initiating each operating mode & reporting faults to a fault management application.
- FDD system must be capable of detections air temperature sensor fault, economizer faults, damper not modulating and excess outdoor air.
Demand Controlled Ventilation (DCV):

- A ventilation system capability that provides for the automatic reduction of outdoor air intake below design rates when the actual occupancy of spaces served by the system is less than design occupancy.
Demand Control Ventilation

C403.2.6.1/SPS 364.0403(8)

- Demand Control Ventilation shall be provided for spaces larger than 500 sf & with an average occupant load of **40** people (same as 2009 IECC) per 1,000 sf of floor area and served by one or more of the following:
  - An air-side economizer; or
  - Automatic modulating control for the outside air damper; or
  - A design outdoor airflow > 3,000 cfm

- Exceptions
Demand Controlled Ventilation
C403.2.6.1

Exceptions:

✓ Systems with energy recovery per C403.2.6
✓ Multiple zone systems without direct digital control of single zones communicating with central control panel
✓ Systems with design outdoor airflow < 1,200 cfm
✓ Spaces where supply airflow rate minus any makeup or outgoing transfer air requirement < 1,200 cfm
✓ Ventilation provided for process loads only
Where the supply airflow rate of a fan system exceeds the values specified in Table C403.2.7(1) & (2), the system shall include an energy recovery system.

<table>
<thead>
<tr>
<th>CLIMATE ZONE</th>
<th>PERCENT (%) OUTDOOR AIR AT FULL DESIGN AIRFLOW RATE</th>
<th>DESIGN SUPPLY FAN AIRFLOW RATE (cfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3B, 3C, 4B, 4C, 5B</td>
<td>10% and &lt; 20%</td>
<td>20% and &lt; 30%</td>
</tr>
<tr>
<td>1B, 2B, 5C</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>6B</td>
<td>≥ 28,000</td>
<td>≥ 26,000</td>
</tr>
<tr>
<td>1A, 2A, 3A, 4A, 5A, 6A</td>
<td>≥ 26,000</td>
<td>≥ 16,000</td>
</tr>
<tr>
<td>7, 8</td>
<td>≥ 4500</td>
<td>≥ 4,000</td>
</tr>
</tbody>
</table>
Energy Recovery Ventilation Systems
C403.2.7

- Where the supply airflow rate of a fan system exceeds the values specified in Table C403.2.7(1) & (2), the system shall include an energy recovery system.

<table>
<thead>
<tr>
<th>CLIMATE ZONE</th>
<th>PERCENT (%) OUTDOOR AIR AT FULL DESIGN AIRFLOW RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>≥ 10% and &lt; 20%</td>
</tr>
<tr>
<td>3C</td>
<td>NR</td>
</tr>
<tr>
<td>1B, 2B, 3B, 4C, 5C</td>
<td>NR</td>
</tr>
<tr>
<td>1A, 2A, 3A, 4B, 5B</td>
<td>≥ 2,500</td>
</tr>
</tbody>
</table>
| 4A, 5A, 6A, 6B, 7, 8 | > 0         | > 0            | > 0            | > 0            | > 0            | > 0            | > 0            | > 0> 0          | > 0
Exceptions

- Where prohibited by IMC 514
- Lab fume hood systems that meet criteria
- Systems serving spaces are heated < 60°F and not cooled
- Cooling energy recovery in Climate Zones 6B & 7
- Systems requiring dehumidification that employ energy recovery in series with cooling coil
- *Where largest source of air exhausted at a single location at the building exterior is less than 75% of the design outdoor air flow rate*
Exceptions (continued)

- Systems expected to operate < 20 hrs/week at outdoor air percentage covered Table 403.2.7(1)
- Systems exhausting toxic, flammable, paint or corrosive fumes or dust
- Commercial kitchen hoods used for collecting and removing grease vapor and smoke
Return air ducts and plenums Climates Zones 6/7 require:

- Minimum R-6 where located in unconditioned spaces
- Minimum R-12 insulation outside the building, within a building envelope assembly or exempt spaces
Minimum Piping Insulation
IECC 403.2.10/SPS 363.0403(9)

Substitute 2009 IECC Table 503.2.8 for IECC Table C403.2.10

<table>
<thead>
<tr>
<th>FLUID</th>
<th>NOMINAL PIPE DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>( \leq 1.5'' )</td>
</tr>
<tr>
<td>Steam</td>
<td>1( \frac{1}{2}'' )</td>
</tr>
<tr>
<td>Hot water</td>
<td>1( \frac{1}{2}'' )</td>
</tr>
<tr>
<td>Chilled water, brine or</td>
<td>1( \frac{1}{2}'' )</td>
</tr>
<tr>
<td>refrigerant</td>
<td>(R-5.5)</td>
</tr>
</tbody>
</table>

\(^a\) Thickness in inches
Exception for Direct buried piping for fluids < 60°F removed via SPS 363.0403(9)(b)

Exceptions:

- Piping internal to HVAC equipment (including fan coil units) factory installed and tested
- Piping for fluid in temperature range: 
  $-60° < \text{temp} < 105° \text{F}$
- Piping for fluid not heated or cooled by electricity or fossil fuels
- Strainers, control valves, and balancing valves associated with piping ≤ 1” in diameter
The requirements of IECC section C403.2.11 are not included as part of the chs. SPS 361 to 366.

This section required mechanical system commissioning & completion requirements. May still be required if compliance via ASHRAE 90.1-2013 is used.
Supply air economizers shall be provided on the following cooling systems:

(Where a single room or space is supplied by multiple air systems, the AGGREGATE capacity of those systems shall be used in applying this requirement)

- (a) All package roof top units
- (b) All other cooling systems $\geq 54,000$ btu/h (ie. split systems)
Each cooling system that has a fan shall include either an air or water economizer complying with Section C403.3.1 through C403.3.4.

 Exceptions:

- Where > 25% of the air designed to be supplied by the system is to spaces that are designed to be humidified above 35°F dew point temperature to satisfy process needs.
  - Example: Computer rooms specifically used for main frames, etc.
Exceptions:

- Systems expected to operate < 20 hrs per week

If a building is intended to meet this exception, a letter from the owner providing justification deemed reasonable by the Dept. on the building’s use shall be provided by the submitter of the cooling system design.
Air economizer systems shall be capable of modulating outdoor air & return air dampers to provide up to 100% of the design supply air quantity as outdoor air for cooling.
Economizer dampers to be capable of being sequenced with mechanical cooling equipment & shall not be controlled by only mixed-air temperature

- Exception: The use of mixed air temperature limit control shall be permitted for systems controlled from space temperature (such as single-zone systems)
Air economizers shall be capable of automatically reducing outdoor air intake to the design minimum outdoor air quantity when the outdoor air intake will no longer reduce cooling energy usage. High limit shutoff control types for specific climates shall be chosen from Table C403.3.3.3

See Table C403.3.3
Return, exhaust/relief and outdoor air dampers used in economizers shall comply with Section C403.2.4.3 (Low Leakage Motorized Shut Off Dampers (4 cfm/sf) required unless a listed exception is met)

✓ **Exceptions:**

- Gravity dampers permitted in buildings < 3 stories
- Gravity dampers permitted for outside air intake or exhaust airflows of 300 cfm (0.14 m³/s) or less
Low Leakage Dampers
IECC C403.2.4.3

- Provide a Class I motorized low leakage-rated damper with air leakage not greater than 4 cfm/sf of damper surface area at 1" water gauge labeled by an approved agency when tested in accordance with AMCA 500D in outdoor air intakes and exhaust openings unless the building is 2 stories or less in height above grade, or the exhaust capacity is not greater than 300 cfm AND a gravity dampers are used in both cases. Gravity dampers shall have an air leakage rate not greater than 20 cfm/sf and be labeled by an approved agency for having been tested per AMCA 500D, as based on listed IECC criteria.
The requirements of IECC section C408 are not included as part of chs. SPS 361 to 366.

- The need to commission HVAC and lighting systems has been deleted. May still be required if compliance via ASHRAE 90.1-2013 is used.
C503.1

- Alterations to any building or structure shall comply with the requirements of the code for new construction
- Unaltered portions of the existing building or building system are not required to comply with current code
New cooling systems that are part of alteration shall comply with Section C403.3 for economizers (requirements as associated with adopted code).
Supply & return ducts in attics (or outside bldg):
- Minimum R-8 where duct is ≥ 3” in diameter
- Minimum R-6 where duct is < 3” in diameter

Supply & return ducts in other portions of the building:
- Minimum R-6 where duct is ≥ 3” in diameter
- Minimum R-4.2 where duct is < 3” in diameter
Heat Trace Systems
R403.5.1.2

- Controls to automatically adjust the energy input to the heat tracing to maintain the designed water temperature in the piping in accordance with the times when heated water is used in the occupancy
The 2015 IMC
What Are The Changes?

Industry Services Division
Dept. of Safety & Professional Services
Randy Dahmen, PE
HVAC Equipment & Roof Hatch Guards
IMC 304.11, 306.5, IBC 1009.11, 1013, 1607.8.1, IFGC 306.6

EXAMPLE:
HVAC Equipment & Roof Hatch Guards IMC 304.11
Guards not req’d where permanent fall arrest/restraint anchorage connector devices are affixed for use during the entire roof conveying lifetime.

Devices to be placed $\leq 10$ ft on center along hip & ridge lines; as well $\leq 10$ ft from roof edge or open side of walking surface.
Fall-Arresting Restraint System
IMC 304.11
Removal of amendment now requires installation of guards & platforms when installations consist of fans only.

- Install platform with not less than 30” clearance in any dimension
- If the roof is $\geq 3/12$
  - Install guards if $>30”$ drop at each edge
- This is an important issue when addressing upblast fans associated with kitchen exhaust systems
Ventilation Required
IMC 401.2/ SPS 364.0401

- WI amendment removes need to determine if dwelling unit has air infiltration rate < 5 air changes, and still allows the use of natural ventilation for all R-2, R-3 & R-4
## SPS Table 364.0403 Changes

<table>
<thead>
<tr>
<th>Occupancy Classification</th>
<th>Estimated Maximum Occupant Load (persons per 1,000 sq. ft.)</th>
<th>Exhaust (^c) (cfm/net sq. ft. floor area)</th>
<th>Common Ventilation System Alternative – Minimum AC Rate per Hour with A/C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Platforms</td>
<td>100</td>
<td>NR</td>
<td>2.0</td>
</tr>
<tr>
<td>Waiting rooms</td>
<td>100</td>
<td>NR</td>
<td>2.0</td>
</tr>
<tr>
<td><strong>Aircraft hangars (for 2 or more aircraft or any hanger with adjacent occupancies)</strong></td>
<td><strong>NA</strong></td>
<td><strong>0.5</strong></td>
<td><strong>NR</strong></td>
</tr>
<tr>
<td>Occupancy Classification</td>
<td>Estimated Maximum Occupant Load (persons per 1,000 sq. ft.)</td>
<td>Exhaust $^c$ (cfm/net sq. ft. floor area)</td>
<td>Common Ventilation System Alternative – Minimum AC Rate per Hour with A/C</td>
</tr>
<tr>
<td>--------------------------</td>
<td>-------------------------------------------------------------</td>
<td>------------------------------------------</td>
<td>-------------------------------------------------</td>
</tr>
<tr>
<td>Locker and dressing rooms $^c$</td>
<td>NA</td>
<td>0.5</td>
<td>NR</td>
</tr>
<tr>
<td>Shower rooms <em>(per shower head)</em></td>
<td>NA</td>
<td><strong>50 cfm intermittent or 20 cfm continuous</strong></td>
<td>NR</td>
</tr>
<tr>
<td>Toilet rooms $^c$, $^d$</td>
<td>NA</td>
<td>75 cfm/TF $^g$</td>
<td>NR</td>
</tr>
<tr>
<td>Occupancy Classification</td>
<td>Estimated Maximum Occupant Load (persons per 1,000 sq. ft.)</td>
<td>Exhaust $^c$ (cfm/net sq. ft. floor area)</td>
<td>Common Ventilation System Alternative – Minimum AC Rate per Hour with A/C</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-------------------------------------------------------------</td>
<td>------------------------------------------</td>
<td>--------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Automotive service and repair garages for gasoline or diesel fueled vehicles ckl.</td>
<td>NA</td>
<td>0.5</td>
<td>NR</td>
</tr>
<tr>
<td>Barber shops</td>
<td>25</td>
<td>NR</td>
<td>1.0</td>
</tr>
<tr>
<td>Beauty Salons salons$^h$</td>
<td>NA</td>
<td>0.5</td>
<td>NR</td>
</tr>
<tr>
<td>Car washes</td>
<td>NA</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>Clothier, furniture</td>
<td>NA</td>
<td>NR</td>
<td>NR</td>
</tr>
<tr>
<td>specialty shops</td>
<td>8</td>
<td>NR</td>
<td>1.0</td>
</tr>
<tr>
<td>Florist shops</td>
<td>8</td>
<td>NR</td>
<td>1.0</td>
</tr>
<tr>
<td>Hardware, drugs, fabrics stores</td>
<td>8</td>
<td>NR</td>
<td>1.0</td>
</tr>
<tr>
<td>Nail salons$^m$</td>
<td>NA</td>
<td>0.6</td>
<td>NR</td>
</tr>
<tr>
<td>Supermarkets</td>
<td>8</td>
<td>NR</td>
<td>1.0</td>
</tr>
</tbody>
</table>

So as to differentiate from CNG req’ts in IMC 502.16
The requirements for enclosed parking garages shall apply to all buildings, or parts of buildings, into which motor vehicles are driven for loading, unloading, or storage.
For nail salons, the exhaust system shall be capable of exhausting the greater of 50 cfm per station or 0.6 cfm per square foot of work area.
Manicure & Pedicure Station Exhaust Rate SPS Table 364.0403, 502.20
Manicure & Pedicure Station Exhaust Rate SPS Table 364.0403, 502.20
Dryer Exhaust Duct Installation
IMC 504.8.2
The maximum length of the exhaust duct shall be determined by the dryer exhaust duct power ventilator manufacturer’s installation instructions.

Such systems were not previously recognized. This will help in addressing extended dryer exhaust duct lengths.
Domestic units to be listed & labeled to UL 705 for use in dryer exhaust duct systems.

The dryer exhaust duct power ventilator shall be installed in accordance with the manufacturer’s instructions.
Dryer Exhaust Duct Power Ventilators
IMC 504.8.4.3

Dryer exhaust duct power ventilator
The code now requires that **vertical & horizontal hinged exhaust fans** be provided with a means to limit the travel of the fan assembly on its hinges to prevent injury to personnel & damage to the building & fan.
Dishwashing Appliances
IMC 507.5.5

- A Wisconsin amendment was removed

- The minimum net airflow for Type II hoods used for dishwashing appliances shall be **100 cfm/linear ft of hood length**
  - Exception: Dishwashing appliances and equipment installed in accordance with IMC 507.3
Materials within plenums shall be noncombustible or listed for flame spread & smoke indexes of $\leq 25$ & $50$, respectively.

Exceptions: Combustible materials (not meeting criteria above) fully enclosed within one of the following:

- 5.3 Materials listed and labeled for installation within a plenum and listed for the application.

- *Note how this is how this section will be enforced in Wisconsin.*
Smoke Detection Systems
Control
IMC 606.2.1

- Required when return air > 2,000 cfm
  
  **Exception:** Smoke detectors are not required in return air systems where all portions of the building served by the air distribution system are protected by area smoke detectors connected to a fire alarm system in accordance with the IFC.

  - There is also an exception for AHU’s which will *not spread smoke to other spaces.*
**System interconnection.** Substitute the following wording for IBC 904.12.2: The actuation of the fire suppression system (for comm’l kitchen hood) shall automatically shut down all sources of fuel and power to all equipment located beneath the exhaust hood *(for commercial kitchens)* & protected by the suppression system.

- The fuel & power reset shall be manual.
The 2015 IFGC
What Are The Changes?

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Dept. of Safety & Professional Services
Randy Dahmen, PE
Substitute the following wording for the requirements and exceptions in IFGC Chapter 4:

- All gas piping and gas piping installation shall comply with NFPA 54 (2015), National Fuel Gas Code.

- This now matches the requirements of the Wisconsin UDC. SPS Chapter 340, Gas Systems Code, will also be updated to reflect the 2015 edition of NFPA 54.
Connectors for Commercial Cooking Appliance (on casters or moved)
NFPA 54-9.6.1.3

ANSI Z21.69 connector for commercial cooking appliances

Commercial cooking appliances with casters require an ANSI Z21.69 appliance connector with a restraining device installed in accordance with the manufacturer’s instructions.
The 2015 ICC is FREE On-Line

Go to the following website to view the 2015 International Codes (it’s FREE !!):

https://codes.iccSAFE.org/search/?year%5b%5d=2015&page=5

Go to the 5th Page where the general ICC codes are found. Do not use other amended State Codes in Wisconsin

Note that other code years are also available for viewing at this same website.
You may view and/or printout the WI amendments in their entirety to the various 2015 ICC codes adopted by SPS 361.04 and located in SPS Chapters 361 through 366 electronically on the internet at:

https://dsps.wi.gov/Pages/RulesStatutes/TradesProgram.aspx

Click on the gray bar labeled:  
“Commercial Building Code”
The Dept. has made available insert pages for use with the WI amendments.

The pages may be inserted into 3 ring binders of the various 2015 ICC codes near their particular application.

When printed on light colored paper, it makes finding the amendments and their applicability to the code quick and easy.
Review Archived WI Commercial Building Codes On-Line

Questions in Regards to the Application of the WI Commercial Building Code?

- Send questions on application of the code to:
  - DSPSSBBuildingtech@wi.gov
Receive Emails from DSPS

- Go the following web site to receive emails on various Dept. programs:
  - https://public.govdelivery.com/accounts/WIDSPS/subscriber/new

- Emails sent in regards to code updates, interpretations, committee hearings, etc. on programs requested
Questions?

Thanks for Listening!