

2024 International Fire Code Existing Amendment Report

Repeal existing state amendments:		Keep Existing amendment as modified:			
WAC	Title or Subject	2021 ___#	2024 ___#	2024 TAG Recommendation	Other Comments
01 Scope and Administration					
51-54A-105	Lithium Batteries	105.5.14.1	105.5.29	Repeal amendment. Model Code Language is identical	
105.5.29 Lithium batteries. An operational permit is required for an accumulation of more than 15 cubic feet (0.42 m) of lithium- ion and lithium metal batteries, where					
51-54A-105	Mobile Food Preparation Vehicles	105.5.32	105.5.34	Keep Existing Amendment with renumbering and editorial model code change. Check 320 for exceptions for display vehicles.	
105.5.34 Mobile food preparation vehicles. An operational permit is required for mobile food preparation vehicles equipped with appliances that produce smoke or grease-					
02 Definitions					
51-54A-0202	Emergency Responder Communications Enhancement System (ERCES)	202	202	Repeal Amendment. Model Code Language is identical	Proposal Needed
EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEM (ERCES). An infrastructure solution installed within a building to enhance the communications capabilities for first responders that utilizes solutions such as a signal booster, voting receiver, base station or other technology capable of enhancing the radio frequency (RF) to ensure effective public safety communications.					
51-54A-0202	Frequency	202	202	Repeal Amendment. Model Code Language is identical	Proposal Needed
FREQUENCY. The particular waveband at which a communications system broadcasts or transmits.					
51-54A-0202	Frequency License Holder(s)	202	202	Repeal Amendment. Model Code Language is almost identical	Proposal Needed
[WA] FREQUENCY LICENSE HOLDER(S). The person(s) or entity(s) that is-are issued the license from the frequency licensing authority of the United States or other country of jurisdiction for the frequencies being used by both the in-building emergency responder communications enhancement system and the emergency services communications system that it enhances					
51-54A-0202	Frequency Licensing Authority	202	202	Repeal Amendment. Model Code Language is identical	Proposal Needed

FREQUENCY LICENSING AUTHORITY. The government authority in a country or territory that issues frequency licenses for the use of communications frequencies by authorized entities and individuals.					
51-54A-0202	POWERED MICROMOBILITY DEVICES	202	202	Repeal Amendment. Model Code Language includes a new definition worded slightly different than existing amendment	Proposal Needed
POWERED MICROMOBILITY DEVICES . Motorized bicycles, motorized scooters and other personal mobility devices powered by a lithium-ion or lithium-metal rechargeable battery. The term does not include motor vehicles that are required to be registered with the Department of Motor Vehicles for the state or jurisdiction					
03 General Requirements					
51-54A-0301	Permits	301.2	301.2	Repeal amendment. Model Code Language picks up Chapter 320 for Lithium Batteries.	Note: 2021 Chapter 320 was additive Manufacturing. Consider amending to include 2024 Ch19 Additive Manufacturing. Check ICC Errata
301.2 Permits. Permits shall be required as set forth in Section 105.5 for the activities or uses regulated by Sections 306, 307, 308, 315, 320 and 321.					
51-54A-0302	Definitions.	301.2	301.2	Repeal Existing amendment. Mobile Food Preparation Vehicle Sectio 319 was relocated to new Chapter 4106. New Model Code Language adds New definition VALET TRASH COLLECTION. No amendments needed to this section.	
SECTION 302—DEFINITIONS					
51-54A-0307	Recreational fires	307.4.2	307.4.2	Modify existing amendment to include altered model code language "(7620 mm)" and "that", while maintaining reference to WAC	
307.4.2 Recreational fires. Recreational fires shall not be conducted within 25 feet (7620 mm) of a structure or combustible material. Conditions that which could cause a fire to spread within 25 feet (7620 mm) of a structure shall be eliminated prior to ignition. See also chapter 173-425 WAC.					

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51-54A-0314	Vehicles	314.4	314.4	Repeal existing amendment. Aside from editorial differences the Model Code language is the same as the WA state amendment.	
<p>314.4 Vehicles. Liquid-fueled or gaseous-fueled vehicles, boats, aircraft boats or other motorcraft shall not be located indoors except as follows:</p> <ol style="list-style-type: none"> 1. The engine starting system is made inoperable or ignition batteries are disconnected except where the fire code official requires that the batteries remain connected to maintain safety features. 2. Fuel in fuel tanks does not exceed any of the following: <ol style="list-style-type: none"> 2.1. Class I, II and III liquid fuel does not exceed one-quarter tank or 5 gallons (19 L), whichever is less. 2.2. LP gas does not exceed one-quarter tank or 6.6 gallons (25 L), whichever is less. 2.3. CNG does not exceed one-quarter tank or 630 cubic feet (17.8 m3), whichever is less. 2.4. Hydrogen does not exceed one-quarter tank or 2,000 cubic feet (57 m3), whichever is less. 3. Fuel tanks and fill openings are closed and sealed to prevent tampering. 4. Vehicles, aircraft, boats or other motorcraft equipment are not fueled or defueled within the building. 					
51-54A-0319	Mobile Food Preparation Vehicles: General	319.1	4106.1	Repeal existing amendment "51-54A-0319 Reserved". Section has moved to new Chapter 41. Create amendment in new Ch 41 and adopt additional model code language into existing amendment (new Language shown in Blue Strikeout .)	See Significant Changes for Chapter 41
<p>4106.1 General. Mobile food preparation vehicles that are equipped with appliances that produce smoke or grease-laden vapors or utilize LP-gas systems or CNG systems for the purpose of preparing, cooking or serving food shall comply with NFPA 96 and this section. Indoor use of mobile food preparation vehicles is prohibited unless approved by the fire code official.</p>					
51-54-0322	General	322.1	320.1	Repeal existing amendment Model Code language is the same as WA amendment	

<p>320.1 General. The storage of lithium-ion and lithium metal batteries shall comply with Section 320.</p> <p>Exceptions:</p> <ol style="list-style-type: none"> 1. New or refurbished batteries installed in the equipment, devices or vehicles they are designed to power. 2. New or refurbished batteries packed for use with the equipment, devices or vehicles they are designed to power. 3. Batteries in original retail packaging that are rated at not more than 300 watt-hours for lithium-ion batteries or contain not more than 25 grams of lithium metal for lithium metal batteries. 4. Temporary storage of batteries or battery components during the battery manufacturing process prior to completion of final quality control checks. 5. Temporary storage of batteries during the vehicle manufacturing or repair process. 					
51-54-0322	Permits	322.2	320.2	Repeal existing amendment Model Code language is the same as WA amendment	Model Code language contains incorrect reference See correction in Green
<p>320.2 Permits. Permits shall be required for an accumulation of more than 15 cubic feet (0.42 m3) of lithium-ion and lithium metal batteries, other than batteries listed in the exceptions to Section 320.1 321.1, as set forth in Section 105.5.29 105.5.28.</p>					
51-54A-0322	Fire Safety Plan	322.3	320.3	Repeal existing amendment Model Code language is the same as WA amendment	Model Code language contains incorrect reference See correction in Green
<p>320.3 Fire safety plan. A fire safety plan shall be provided in accordance with Section 404 403.10.6. In addition, the fire safety plan shall include emergency response actions to be taken upon detection of a fire or possible fire involving lithium-ion or lithium metal battery storage.</p>					
51-54A-0322	Storage Requirements	322.4	320.4	Repeal existing amendment Model Code language is the same as WA amendment	
<p>320.4 Storage requirements. Lithium-ion and lithium metal batteries shall be stored in accordance with Section 320.4.1, 320.4.2 or 320.4.3, as applicable.</p>					
51-54A-0322	Limited Indoor Storage in Containers	322.4.1	320.4.1	Repeal existing amendment Model Code language is the same as WA amendment	
<p>320.4.1 Limited indoor storage in containers. Not more than 15 cubic feet (0.42 m3) of lithium-ion or lithium metal batteries shall be permitted to be stored in containers in accordance with all of the following:</p> <ol style="list-style-type: none"> 1. Containers shall be open top and constructed of noncombustible materials or shall be approved for battery collection. 2. Individual containers and groups of containers shall not exceed a capacity of 7.5 cubic feet (0.21 m3). 3. A second container or group of containers shall be separated by not less than 3 feet (914 mm) of open space or 10 feet (3048 mm) of space that contains combustible materials. 4. Containers shall be located not less than 5 feet (1524 mm) from exits or exit access doors. 					
51-54A-0322	Indoor Storage Areas	322.4.2	320.4.2	Repeal existing amendment Model Code language is the same as WA amendment	

320.4.2.1 Indoor storage areas. Indoor storage areas for lithium-ion and lithium metal batteries, other than those complying with Section 320.4.1, shall comply with Sections 320.4.2.1 through 320.4.2.6.					
51-54A-0322	Technical Opinion and Report	322.4.2.1	320.4.2.1	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.2.1 Technical opinion and report. Where required by the fire code official A technical opinion and report complying with Section 104.2.2 shall be prepared to evaluate the fire and explosion risks associated with the indoor storage area and to make recommendations for fire and explosion protection. The report shall be submitted to the fire code official and shall require the fire code official’s approval prior to issuance of a permit. In addition to the requirements of Section 104.2.2, the technical opinion and report shall specifically evaluate the following: 1. The potential for deflagration of flammable gases released during a thermal runaway event. 2. The basis of design for an automatic sprinkler system or other approved fire suppression system. Such design basis shall reference relevant full-scale fire testing or another approved method of demonstrating sufficiency of the recommended design.					
51-54A-0322	Construction Requirements	322.4.2.2	320.4.2.2	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.2.2 Construction requirements. Where indoor storage areas for lithium-ion and lithium metal batteries are located in a building with other uses, battery storage areas shall be separated from the remainder of the building by 2-hour rated fire barriers or horizontal assemblies. Fire barriers shall be constructed in accordance with Section 707 of the International Building Code, and horizontal assemblies shall be constructed in accordance with Section 711 of the International Building Code. Exceptions: 1. Where battery storage is contained in one or more approved prefabricated portable structures providing a complete 2- hour fire-resistance-rated enclosure, fire barriers and horizontal assemblies are not required. 2. Where battery storage is limited to new batteries in packaging that has been demonstrated to and approved by the fire code official as sufficient to isolate a fire in packaging to the package interior, fire barriers and horizontal assemblies are not required.					
51-54A-0322	Fire Protection Systems	322.4.2.3	320.4.2.3	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.2.3 Fire protection systems. Indoor storage areas for lithium-ion and lithium metal batteries shall be protected by an automatic sprinkler system complying with Section 903.3.1.1 or an approved alternative fire suppression system. The system design shall be based on recommendations in the approved technical opinion and report required by Section 320.4.2.1.					
51-54A-0322	Fire Alarm Systems	322.4.2.4	320.4.2.4	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.2.4 Fire alarm systems. Indoor storage areas for lithium-ion and lithium metal batteries shall be provided with an approved automatic fire detection and alarm system complying with Section 907. The fire detection system shall use air-asi- rating smoke detection, radiant energy-sensing fire detection or both.					

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51-54A-0322	Explosion Control	322.4.2.5	320.4.2.5	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.2.5 Explosion control. Where the approved technical opinion and report required by Section 320.4.2.1 recommends explosion control, explosion control complying with Section 911 shall be provided.					
51-54A-0322	Reduced Requirements for Storage of Partially Charged Batteries	322.4.2.6	320.4.2.6	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.2.6 Reduced requirements for storage of partially charged batteries. Indoor storage areas for lithium-ion and lithium metal batteries with a demonstrated state of charge not exceeding 30 percent shall not be required to comply with Sections 320.4.2.1, 320.4.2.2 and 320.4.2.5, provided that procedures for limiting and verifying that the state of charge will not exceed 30 percent have been approved.					
51-54A-0322	Outdoor Storage	322.4.3	320.4.3	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.3 Outdoor storage. Outdoor storage of lithium-ion or lithium metal batteries shall comply with Sections 320.4.3.1 through 320.4.3.3.					
51-54A-0322	Distance From Storage to Exposures	322.4.3.1	320.4.3.1	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.3.1 Distance from storage to exposures. Outdoor storage of lithium-ion or lithium metal batteries, including storage beneath weather protection in accordance with Section 414.6.1 of the International Building Code, shall comply with one of the following: 1. Battery storage shall be located not less than 20 feet (6096 mm) from any building, lot line, public street, public alley, public way or means of egress. 2. Battery storage shall be located not less than 3 feet (914 mm) from any building, lot line, public street, public alley, public way or means of egress, where the battery storage is separated by a 2-hour fire-resistance-rated assembly without openings or penetrations and extending 5 feet (1524 mm) above and to the sides of the battery storage area. 3. Battery storage shall be located not less than 3 feet (914 mm) from any building, lot line, public street, public alley, public way or means of egress, where batteries are contained in approved, prefabricated portable structures providing a complete 2-hour fire-resistance-rated enclosure.					
51-54A-0322	Storage Area Limits and Separation	322.4.3.2	320.4.3.2	Repeal existing amendment Model Code language is the same as WA amendment	
320.4.3.2 Storage area size limits and separation. Outdoor storage areas for lithium-ion or lithium metal batteries, including storage beneath weather protection in					
51-54A-0322	Fire Detection	322.4.3.3	320.4.3.3	Repeal existing amendment Model Code language is the same as WA amendment	

<p>320.4.3.3 Fire detection. Outdoor storage areas for lithium-ion or lithium metal batteries, regardless of whether such areas are open, under weather protection or in a prefabricated portable structure, shall be provided with an approved automatic fire detection and alarm system complying with Section 907. The fire detection system shall use radiant energy-sensing fire detection.</p>					
51-54A-0323	General	323.1	322.1	Repeal existing amendment Model Code language is the same as WA amendment Powered Industrial trucks Are included in Section 309	Consider inclusion of Powered Industrial Trucks
<p>General. Lithium-ion and lithium metal battery powered micromobility devices and powered industrial trucks shall be operated and maintained in accordance with this section. Exceptions: 1. Storage, repair and charging in residential occupancies of powered mobility devices, provided that such devices are for personal use by its owner. 2. Charging of a single powered mobility device in any occupancy by its owner.</p>					
51-54A-0323	Prohibited Locations	323.1.1	322.1.1	Repeal existing amendment Model Code language is the same as WA amendment Powered Industrial trucks Are included in Section 309	Consider inclusion of Powered Industrial Trucks
<p>322.1.1 Prohibited locations. The use of a residential occupancy as a business for the charging of commercially owned powered micromobility devices or powered industrial trucks as part of a rental or sales service shall not be permitted.</p>					
51-54A-0323	Battery Chargers and Equipment	323.2	322.2	Repeal existing amendment Model Code language is the same as WA amendment Powered Industrial trucks Are included in Section 309	Consider inclusion of Powered Industrial Trucks
<p>322.2 Battery chargers and equipment. Powered micromobility devices and powered industrial trucks shall be charged in accordance with their listing and the manufacturer's</p>					
51-54A-0323	Listing	323.3	322.3	Repeal existing amendment Model Code language is the same as WA amendment	
<p>322.3 Listing. Powered micromobility devices shall be listed and labeled in accordance with UL 2272 or UL 2849, as applicable.</p>					
51-54A-0323	Battery Charging Areas	323.4	322.4	Repeal existing amendment Model Code language is the same as WA amendment Powered Industrial trucks Are included in Section 309	Consider inclusion of Powered Industrial Trucks

<p>322.4 Battery charging areas. Where approved, powered micromobility devices shall permitted to be charged in a room or area that complies with all of the following:</p> <ol style="list-style-type: none"> 1. Only listed devices utilizing listed charging equipment shall be permitted to be charged. 2. Is provided with sufficient electrical receptacles to allow the charging equipment for each device to be directly connected to a receptacle. Extension cords and relocatable power taps shall not be used. 3. Storage of combustible materials, combustible waste or hazardous materials shall not be permitted. 4. The charging operation shall not be conducted in or obstruct any required means of egress. 5. Removable storage batteries shall not be stacked or charged in an enclosed cabinet unless the cabinet is specially designed and approved for such purpose. 6. A minimum distance of 18 inches (457.2 mm) shall be maintained between each removable storage battery during charging operations unless each battery is isolated from neighboring batteries by an approved fire-resistant material. 7. A minimum of 18 inches (457.2 mm) shall be maintained between the location of the battery on each powered micromobility devices or powered industrial truck during charging operations. 					
51-54A-0323	Fire Safety Plan	323.5	322.5	Repeal existing amendment Model Code language is the same as WA amendment	
<p>322.5 Fire safety plan. A fire safety plan shall be provided in accordance with Section 403.10.6. In addition, the fire safety plan shall include emergency response actions to be taken upon detection of a fire or possible fire involving lithium-ion or lithium metal battery storage.</p>					
04 Emergency Planning and Preparedness					
51-54A-0403	Buildings with Lithium-ion or Lithium Metal Battery Storage	403.10.6	403.10.6	Repeal Existing Amendment. Model Language clarifies and expands on the WA amendment language.	
<p>403.10.6 Buildings with lithium-ion or lithium metal battery storage. An approved fire safety plan in accordance with Section 404 shall be prepared and maintained for buildings with lithium-ion or lithium metal battery storage.</p>					
<p>403.10.6 Lithium-ion and lithium metal batteries. An approved fire safety and evacuation plan in accordance with Section 404 shall be prepared and maintained for occupancies that involve activities for the research and development, testing, manufacturing, handling or storage of lithium-ion batteries or lithium metal batteries, or the repair or servicing of vehicles powered by lithium-ion batteries or lithium metal batteries.</p>					
51-54A-0403	Crowd Managers for Gatherings Exceeding 1,000 People	403.11.3	403.11.3	Maintain Amendment	Consider repeal recommended by TAG
<p>403.11.3 Crowd managers for gatherings exceeding 1,000 people. Where facilities or events involve a gathering of more than 500 1,000 people, or as required by the fire code official, crowd managers shall be provided in accordance with Sections 403.11.3.1 through 403.11.3.3.</p>					
51-54A-0406	General	406.1	406.1	Maintain Amendment and add "and uses" after occupancies in first sentence	

406.1 General. ~~Where fire safety and evacuation plans are required by Section 403, employees shall be trained in fire emergency procedures based on plans prepared in accordance with Section 404.~~

General. Employees in the occupancies listed in Section 403 shall be trained in the emergency procedures described in their emergency plans. Training shall be based on these plans and as described in Sections 406.2 through 406.3.5.

05 Fire Service Features

51-54A-0510	510.1 Emergency responder communications enhancement systems in new buildings.	510.1	510.1	repeal Existing Amendment	Review addition of Exception #4
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SECTION 510—EMERGENCY RESPONDER COMMUNICATIONS ENHANCEMENT SYSTEMS (ERCES)

Recommend to match title from model code into WAC. C/Y WAC-A/Y

510.1 Emergency responder communications enhancement systems in new buildings. *Approved* in-building emergency responder communications enhancement system (ERCES) for emergency responders shall be provided in all new buildings. In-building ERCES within the building shall be based on the existing coverage levels of the public safety communications systems utilized by the jurisdiction, measured at the exterior of the building. The ERCES, where required, shall be of a type determined by the fire code official and the *frequency license holder(s)*. This section shall not require improvement of the existing public safety communications systems.

Exceptions:

1. Where *approved* by the building official and the *fire code official*, a wired communications system in accordance with Section 907.2.13.2 shall be permitted to be installed or maintained instead of an *approved* communications coverage system.
2. Where it is determined by the *fire code official* that the communications coverage system is not needed.
3. In facilities where emergency responder communications coverage is required and such systems, components or equipment required could have a negative impact on the normal operations of that facility, the *fire code official* shall have the authority to accept an automatically activated emergency responder communications coverage system.
4. One-story buildings not exceeding 12,000 square feet (1115 m²) with no below-ground area(s).

51-54A-0510	Emergency responder communications enhancement system in existing buildings.	510.2	510.2	repeal Existing Amendment	WA amendment it is now in the model code
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510.2 Emergency responder communications enhancement system in existing buildings. Existing buildings shall be provided with *approved* in-building emergency responder **communications enhancement system** for emergency responders as required in Chapter 11.

51-54A-0510	Permits	510.3	510.3.1	repeal Existing Amendment	
<p>510.3 Permits. Permits for in-building emergency responder communications enhancement systems shall be in accordance with Sections 510.3.1 and 510.3.2. Maintenance performed in accordance with this code is not considered a modification and does not require a permit.</p>					
51-54A-0510	Technical requirements.	510.4	510.4	repeal Existing Amendment	
<p>510.4 Technical requirements. Equipment required to provide in-building emergency responder communications enhancement shall be listed in accordance with UL 2524. Systems, components and equipment required to provide the in-building emergency responder communications enhancement system shall comply with Sections 510.4.1 through 510.4.2.8.</p>					
51-54A-0510	Emergency responder communications enhancement system signal strength.	510.4.1	510.4.1	repeal Existing Amendment	
<p>510.4.1 Emergency responder communications enhancement system signal strength. The building shall be considered to have an acceptable in-building emergency responder communications enhancement system where signal strength measurements in 95 percent of all areas and 99 percent of areas designated as critical areas by the fire code official on each floor of the building meet the signal strength requirements in Sections 510.4.1.1 through 510.</p>					
51-54A-0510	System design.	510.4.2	510.4.2	repeal Existing Amendment	
<p>510.4.2 System design. The in-building emergency responder communications enhancement system shall be designed in accordance with Sections 510.4.2.1 through 510.4.2.8 and NFPA 1225.</p>					
51-54A-0510	Amplification systems and components.	510.4.2.1	510.4.2.1	repeal Existing Amendment	
<p>510.4.2.1 Amplification systems and components. Buildings and structures that cannot support the required level of in-building emergency responder communications enhancement system shall be equipped with systems and components to enhance the radio signals and achieve the required level of in-building emergency responder communications enhancement system specified in Sections 510.4.1 through 510.4.1.3. In-building emergency responder communications enhancement systems utilizing radio-frequency-emitting devices and cabling shall be approved by the fire code official. Prior to installation, all RF-emitting devices shall have the certification of the radio licensing authority and be suitable for public safety use.</p>					
51-54A-0510	Technical criteria.	510.4.2.2	510.4.2.2	repeal Existing Amendment	
<p>510.4.2.2 Technical criteria. The fire code official shall maintain a document providing the specific technical information and requirements for the in-building emergency responder communications enhancement system. This document shall contain, but not be limited to, the various frequencies required, the location of radio sites, the effective radiated power of radio sites, the maximum propagation delay in microseconds, the applications being used and other supporting technical information necessary for system design.</p>					
51-54A-0510	Standby power.	510.4.2.3	510.4.2.3	repeal Existing Amendment	

<p>510.4.2.3 Standby power. In-building emergency responder communications enhancement systems shall be provided with dedicated standby batteries or provided with 2-hour standby batteries and connected to the facility generator power system in accordance with Section 1203. The standby power supply shall be capable of operating the in-building emergency responder communications enhancement system at 100-percent system capacity for a duration of not less than 12 hours.</p>					
51-54A-0510	Additional frequencies and change of frequencies.	510.4.2.6	510.4.2.6	repeal Existing Amendment	
<p>510.4.2.6 Additional frequencies and change of frequencies. The in-building emergency responder communications enhancement system shall be capable of modification or expansion in the event <i>frequency</i> changes are required by the FCC or other frequency licensing authorities, or additional frequencies are made available by the FCC or other frequency licensing authorities.</p>					
51-54A-0510	Design documents.	510.4.2.7	510.4.2.7	repeal Existing Amendment	
<p>510.4.2.7 Design documents. The <i>fire code official</i> shall have the authority to require “as-built” design documents and <u>specifications</u> for in-building emergency responder communications enhancement systems. The documents shall be in a format acceptable to the <i>fire code official</i>.</p>					
51-54A-0510	Radio communication antenna density.	510.4.2.8	510.4.2.8	repeal Existing Amendment	
<p>510.4.2.8 Radio communication antenna density. Systems shall be engineered to minimize the near-far effect. In-building, emergency responder communication enhancement system. Exception: Systems where all portable devices within the same band use active power control features.</p>					
51-54A-0510	FCC compliance.	510.5.5	510.5.5	repeal Existing Amendment	
<p>510.5.5 FCC compliance. The in-building emergency responder communications enhancement system installation and components shall comply with all applicable federal regulations including, but not limited to, FCC 47 CFR Part 90.219.</p>					
51-54A-0510	Maintenance.	510.6	510.6	repeal Existing Amendment	
<p>510.6 Maintenance. The in-building emergency responder communications enhancement system shall be maintained operational at all times in accordance with Sections 510.6.1 through 510.6.4.</p>					
51-54A-0510	Additional frequencies.	510.6.2	510.6.2	repeal Existing Amendment	
<p>510.6.2 Additional frequencies. The building owner shall modify or expand the in-building emergency responder communications enhancement system at their expense in the event frequency changes are required by the FCC or other radio licensing authority, or additional frequencies are made available by the FCC or other radio licensing authority. Prior approval of an in-building emergency responder communications enhancement system on previous frequencies does not exempt this section.</p>					
51-54A-0510	Nonpublic safety system	510.6.3	510.6.3	repeal Existing Amendment	

510.6.3 Nonpublic safety system. Where other nonpublic safety amplification systems installed in buildings reduce the performance or cause interference with the in-building emergency responder communications enhancement system, the nonpublic safety amplification system shall be corrected or removed.

09 Fire Protection and Life Safety Systems

51-54A-0903	Automatic sprinkler systems. / Other required fire protection systems	Table 903.2.11.6	Table 903.2.11.6	Repeal existing state amendment: Existing amendment is addressed by 2024 IFC code change	
TABLE 903.2.11.6—ADDITIONAL REQUIRED FIRE PROTECTION SYSTEMS					
	SECTION	SUBJECT			
	320.2	Lithium-ion and lithium metal battery storage			
	322.4.2.3	Lithium-ion and lithium metal batter storage			
	903.2.10.2	Mechanical-access enclosed parking garages			
	914.2.1	Covered and open mall buildings			
	914.3.1	High-rise buildings			
	914.4.1	Atriums			
	914.5.1	Underground structures			
	914.6.1	Stages			
	914.7.1	Special amusement area			
	914.8.2	Airport traffic control towers			
	914.8.3, 914.8.6	Aircraft hangars			
	914.9	Flammable finishes			
	914.1	Drying rooms			
	914.11.1	Ambulatory care facilities			
	1030.6.2.3	Smoke-protected assembly seating			
	1103.5.1	Existing Group A occupancies			
	1103.5.5	Pyroxylin plastic storage in existing buildings			
	1103.5.2	Existing Group I-2 occupancies			
	1103.5.3	Existing Group I-2, Condition 2 occupancies			
	1103.5.5	Pyroxylin plastics			
	Table 1206.9, Table 1206.10, Table 1207.7, Table 1207.8	Stationary and mobile energy storage systems			
	2108.2	Dry cleaning plants			

51-54A-0907	Fire alarm and detection systems. / Group E	907.2.3	907.2.3	Keep existing state amendment as modified: Updated amendment language to minimize unnecessary language changes (i.e. "shall not be" ICC language vs. "are not" previous state amendment language").	
<p>907.2.3 Group E. A manual fire alarm system that initiates the occupant notification signal utilizing an emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall be installed in Group E occupancies. Where automatic sprinkler systems or smoke detectors are installed, such systems or detectors shall be connected to the building fire alarm system. Group E occupancies shall be provided with a manual fire alarm system</p>					
<p>1. An emergency voice/alarm communication system meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6;</p>					
<p>2. A system developed as part of a safe school plan adopted in accordance with RCW 28A.320.125 or developed as part of an emergency response system consistent with the provisions of RCW 28A.320.126. The system must achieve all of the following performance standards:</p>					
<p>2.1 The ability to broadcast voice messages or customized announcements;</p>					
<p>2.2 Includes a feature for multiple sounds, including sounds to initiate a lock down;</p>					
<p>2.3 The ability to deliver messages to the interior of a <i>building</i>, areas outside of a <i>building</i> as designated pursuant to the</p>					
<p>2.4 The ability for two-way communications;</p>					
<p>2.5 The ability for individual room calling;</p>					
<p>2.6 The ability for a manual override;</p>					
<p>2.7 Installation in accordance with NFPA 72;</p>					
<p>2.8 Provide 15 minutes of battery backup for alarm and 24 hours of battery backup for standby; and</p>					
<p>2.9 Includes a program for annual inspection and maintenance in accordance with NFPA 72.</p>					
<p>Exceptions:</p>					
<p>1. A manual <i>fire alarm</i> system shall not be required in Group E occupancies with an <i>occupant load</i> of 50 or less.</p>					
<p>2. <i>Emergency voice/alarm communication systems</i> meeting the requirements of Section 907.5.2.2 and installed in accordance with Section 907.6 shall not be required in Group E occupancies with <i>occupant loads</i> of 100 or less, <i>such as individual portable school classroom buildings</i>; provided that activation of the manual <i>fire alarm system</i> initiates an <i>approved</i> occupant notification signal in accordance with Section 907.5.</p>					
<p>3. Where an existing <i>approved</i> alarm system is in place, an <i>emergency voice/alarm communication system</i> is not required in any portion of an existing Group E <i>building</i> undergoing any one of the following repairs, <i>alteration</i> or addition:</p>					
<p>3.1. <i>Alteration</i> or repair to an existing <i>building</i> including, without limitation, alterations to rooms and systems, and/or corridor configurations, not exceeding 35 percent of the <i>fire area</i> of the <i>building</i> (or the <i>fire area</i> undergoing the <i>alteration</i></p>					
<p>3.2. An addition to an existing <i>building</i>, not exceeding 35 percent of the <i>fire area</i> of the <i>building</i> (or the <i>fire area</i> to which the addition is made if the <i>building</i> is comprised of two or more <i>fire areas</i>).</p>					
<p>4. Manual fire alarm boxes shall not be required in Group E occupancies where all of the following apply:</p>					
<p>4.1. Interior <i>corridors</i> are protected by smoke detectors.</p>					
<p>4.2. Auditoriums, cafeterias, gymnasiums and similar areas are protected by <i>heat detectors</i> or other <i>approved detection</i></p>					

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		4.3.	Shops and laboratories involving dusts or vapors are protected by <i>heat detectors</i> or other <i>approved</i> detection		
		4.4.	Manual activation is provided from a normally occupied location.		
		5.	Manual fire alarm boxes shall not be required in Group E occupancies where all of the following apply:		
		5.1.	The building is equipped throughout with an <i>approved automatic sprinkler system</i> installed in accordance with		
		5.2.	The emergency voice/alarm communication system will activate on sprinkler water flow.		
		5.3.	Manual activation is provided from a normally occupied location.		
51-54A-0907	Fire alarm and detection systems. / Group I-1	907.2.6.1	907.2.6.1	Repeal existing state amendment. Previous amendment language matches current 2024 IFC language.	
907.2.6.1 Group I-1. An automatic smoke detection system shall be installed in corridors, waiting areas open to corridors and habitable spaces other than sleeping units and kitchens. The system shall be activated in accordance with Section 907.5.					
Exceptions:	1. For Group I-1, Condition 1 occupancies, smoke detection in <i>habitable spaces</i> is not required where the facility is equipped throughout with an <i>automatic sprinkler system</i> installed in accordance with Section 903.3.1.1.				
	2. Smoke detection is not required for exterior balconies.				
51-54A-0907	Fire alarm and detection systems. / Testing/maintenance	907.8.4.1	907.8.4.1	Modify existing state amendment to remove effective date of July 1, 2018	
907.8.4.1 Testing/maintenance: All inspection, testing, maintenance and programming not defined as "electrical construction trade" by chapter 19.28 RCW shall be completed by a NICET II or ESA/NTS Certified Fire Alarm Technician (CFAT) Level II Fire in fire alarms (effective July 1, 2018).					
51-54A-0907	Fire alarm and detection systems. / NICET	N/A	907.11, 907.11.1 - 907.11.2	Modify existing state amendment Remove Effective Date at end of section	
907.11 NICET: National Institute for Certification in Engineering Technologies and ESA/NTS: Electronic Security Association/National Training School.					
	907.11.1 Scope. This section shall apply to new and existing fire alarm systems.				
	907.11.2 Design review: All construction documents shall be reviewed by a NICET III, an ESA/NTS Certified Fire Alarm Designer (CFAD) Level III Fire in fire alarms, or a licensed professional engineer (PE) in Washington prior to being submitted for permitting. The reviewing professional shall submit a stamped, signed, and dated letter; or a verification method approved by the local authority having jurisdiction indicating the system has been reviewed and meets or exceeds the design requirements of the state of Washington and the local jurisdiction (effective July 1, 2018).				

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51-54A-0915	Carbon monoxide detection.	915.1.1	915.1.1	Modify existing state amendment: 1. Previous "Exception 1", align with 2024 IFC updated language: Add requirement for all Group R-2 occupancies, with the exception of R-2 college dormitories. 2. Previous "Exception 2" language is addressed by 2024 IFC changes.	Further Review and Correlation needed with IBC Tag
915.1.1 Where required. Carbon monoxide detection shall be installed in the locations specified in Section 915.2 where any of the following conditions exist.					
	1. In buildings that contain a CO source .				
	2. In buildings that contain or are supplied by a CO-producing forced-air furnace.				
	3. In buildings with attached private garages.				
	4. In buildings that have a CO-producing vehicle that is used within the building.				
	5. All Group R-2 occupancies, with the exception of R-2 college dormitories.				
51-54A-0915	Carbon monoxide detection. / Dwelling units	915.2.1	915.2.1	Modify existing state amendment to align with updated 2024 IFC language: limits amendment to adding requirement CO detection on each level of a dwelling where CO detection is required outside of sleeping area.	Further Review and Correlation needed with IBC Tag
915.2.1 Dwelling units. Carbon monoxide detection shall be installed in <i>dwelling units</i> outside of each separate sleeping area in the immediate vicinity of the bedrooms and on each level of the dwelling. Where a CO source is located within a bedroom or its attached bathroom, carbon monoxide detection shall be installed within the bedroom.					
51-54A-0915	General	915.5.1	N/A	Delete amendment. Model code has language and addresses existing amendment.	
915.5.1 General. Carbon monoxide detectors shall be listed in accordance with UL 2075.					
51-54A-0915	Locations	915.5.2	N/A	Delete amendment. Model code has language, existing amendment is addressed in 2024 IFC.	
915.5.1 Locations. Carbon monoxide detectors shall be installed in the locations specified in Section 915.2. These locations supersede the locations specified in NFPA 72.					

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51-54A-0915	Maintenance	915.6	N/A	Delete amendment. Existing amendment is addressed in 2024 IFC.	
<p>915.6 Maintenance. Carbon monoxide alarms and carbon monoxide detection systems shall be maintained in accordance with NFPA 72. Carbon monoxide alarms and carbon monoxide detectors that become inoperable or begin producing end-of-life signals shall be replaced.</p>					
10 Means of Egress					
51-54A-1004	Areas without fixed seating.	1004.5	1004.5	Repeal existing state amendments:	Model code has same language.
<p>[BE] 1004.5 Areas without fixed seating. The number of occupants shall be computed at the rate of one occupant per unit of area as prescribed in Table 1004.5. For areas without <i>fixed seating</i>, the <i>occupant load</i> shall be not less than that number determined by dividing the floor area under consideration by the <i>occupant load</i> factor assigned to the function of the space as set forth in Table 1004.5. Where an intended function is not listed in Table 1004.5, the <i>fire code official</i> shall establish a function based on a listed <u>function</u> that most nearly resembles the intended function.</p> <p>Exception: Where <i>approved</i> by the <i>fire code official</i>, the actual number of occupants for whom each occupied space, floor or building is designed, although less than those determined by calculation, shall be permitted to be used in the determination of the design <i>occupant load</i>.</p>					
51-54A-1004	Increased occupant load.	1004.5.1	1004.5.1	Repeal existing state amendments:	Model code has same language.
<p>[BE] 1004.5.1 Increased occupant load. The <i>occupant load</i> permitted in any building, or portion thereof, is permitted to be increased from that number established for the occupancies in Table 1004.5, provided that all other requirements of the code are met based on such modified number and the <i>occupant load</i> does not exceed one occupant per 7 square feet (0.65 m²) of <u>occupiable</u> floor space. Where required by the <i>fire code official</i>, an <i>approved aisle</i>, seating or fixed equipment diagram substantiating any increase in <i>occupant load</i> shall be submitted. Where required by the <i>fire code official</i>, such diagram shall be posted.</p>					
1006.3.4	Single exits.	1006.3.4	1006.3.4	Repeal existing state amendments:	Work on this section has been directed by the Legislature. Coordinate with Building TAG. Seems to be not needed.

<p>[BE] 1006.3.4 Single exits. A single <i>exit</i> or access to a single <i>exit</i> shall be permitted from any story or <i>occupiable roof</i>, where one of the following conditions exists:</p> <ol style="list-style-type: none"> 1. The <i>occupant load</i>, number of <i>dwelling units</i> and <i>exit access</i> travel distance within the portion of the building served by the single exit do not exceed the values in Table 1006.3.4(1) or 1006.3.4(2). 2. Rooms, areas and spaces complying with Section 1006.2.1 with <i>exits</i> that discharge directly to the exterior at the <i>level of exit discharge</i>, are permitted to have one <i>exit</i> or access to a single <i>exit</i>. 3. Parking garages where vehicles are mechanically parked shall be permitted to have one <i>exit</i> or access to a single <i>exit</i>. 4. Group R-3 and R-4 occupancies shall be permitted to have one <i>exit</i> or access to a single <i>exit</i>. 5. Individual single-story or multistory <i>dwelling units</i> shall be permitted to have a single <i>exit</i> or access to a single <i>exit</i> from the <i>dwelling unit</i> provided that both of the following criteria are met: <ol style="list-style-type: none"> 5.1. The <i>dwelling unit</i> complies with Section 1006.2.1 as a space with one means of egress. 5.2. Either the <i>exit</i> from the <i>dwelling unit</i> discharges directly to the exterior at the <i>level of exit discharge</i>, or the <i>exit</i> access outside the <i>dwelling unit's</i> entrance door provides access to not less than two <i>approved independent exits</i>. 					
1009.8	Two-way communication	1009.8	1009.8	Repeal existing state amendments:	Coordinate with Building TAG. Seems to be not needed.
<p>[BE] 1009.8 Two-way communication. A two-way communication system complying with Sections 1009.8.1 and 1009.8.2 shall be provided at the landing serving each elevator or bank of elevators on each accessible floor that is one or more stories above or below the <i>level of exit discharge</i>.</p> <p>Exceptions:</p> <ol style="list-style-type: none"> 1. Two-way communication systems are not required at the landing serving each elevator or bank of elevators where the two-way communication system is provided within <i>areas of refuge</i> in accordance with Section 1009.6.5. 2. Two-way communication systems are not required on floors provided with ramps that provide a direct path of egress travel to grade or the level of exit discharge conforming to the provisions of Section 1012. 3. Two-way communication systems are not required at the landings serving only service elevators that are not designated as part of the <i>accessible means of egress</i> or serve as part of the required <i>accessible route</i> into a facility. 4. Two-way communication systems are not required at the landings serving only freight elevators. 5. Two-way communication systems are not required at the landing serving a private residence elevator. 6. Two-way communication systems are not required in Group I-2 or I-3 facilities. 					
51-54A-1010	Controlled Egress Doors in Groups I-1 and I-2	1010.2.14	1010.2.13	Modify to correlate between IBC	

[BE] 1010.2.13 Controlled egress doors in Groups I-1 and I-2. Controlled egress electrical locking systems where egress is controlled by authorized personnel shall be permitted on doors in the means of egress in Group I-1 or I-2 occupancies where the clinical needs of persons receiving care require their containment. Controlled egress doors shall be permitted in such occupancies where the building is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or an approved automatic smoke detection system installed in accordance with Section 907, provided that the doors are installed and operate in accordance with all of the following:

1. The door's electric locks shall unlock on actuation of the automatic sprinkler system or automatic smoke detection system allowing immediate free egress.
2. The door's electric locks shall unlock on loss of power to the electrical locking system or to the electric lock mechanism allowing immediate free egress.
3. The electrical locking system shall be installed to have the capability of unlocking the electric locks by a switch located at the fire command center, a nursing station or other approved location. The switch shall directly break power to the electric lock.
4. A building occupant shall not be required to pass through more than one door equipped with a controlled egress locking system before entering an exit.
5. The procedures for unlocking the doors shall be described and approved as part of the emergency planning and preparedness required by Chapter 4.
6. All clinical staff shall have the keys, codes or other means necessary to operate the controlled egress electrical locking systems.
7. There is a system, such as a keypad and code, in place that allows visitors, staff persons and appropriate residents to exit. Instructions for exiting shall be posted within six feet of the door.
8. Emergency lighting shall be provided at the door.
9. The electromechanical or electromagnetic locking device shall be listed in accordance with either UL 294 or UL 1034.

Exceptions:

1. Items 1 through 4, and 7, shall not apply to doors to areas occupied by persons who, because of clinical needs, require restraint or containment as part of the function of a psychiatric or cognitive treatment area, provided that all clinical staff shall have the keys, codes or other means necessary to operate the locking devices.
2. Items 1 through 4, and 7, shall not apply to doors to areas where a listed egress control system is utilized to reduce the risk of child abduction from nursery and obstetric areas of a Group I-2 hospital.

51-54A-1010	Security grilles.	1010.3.4	1010.3.4	Repeal existing state amendments:	Model language was inclusive of the amendment in 2021 code
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[BE] 1010.3.4 Security grilles. In Groups B, F, M and S, horizontal sliding or vertical security grilles are permitted at the main exit and shall be openable from the inside without the use of a key or special knowledge or effort during periods that the space is occupied. The grilles shall remain secured in the full-open position during the period of occupancy by the general public. Where two or more exits or access to exits are required, not more than one-half of the exits or exit access doorways shall be equipped with horizontal sliding or vertical security grilles.

51-54A-1011	Horizontal sliding or vertical security grates. Stairways in individual dwelling units.	1011.17	1011.17	Modify	Relocate to 1011.1 Ex#2 to Correlate with WA Building Code
<p>1011.17 Stairways in individual dwelling units. Stairs or ladders within an individual dwelling unit used for access to <u>areas</u> of 200 square feet (18.6 m²) or less, and not containing the primary bathroom or kitchen, are exempt from the requirements of Section 1009.</p>					
51-54A-1014	Lateral location	1014.2.2	1014.2.3	Repeal existing state amendments:	New model code language is identical
<p>[BE] 1014.3 Lateral location. Handrails located outward from the edge of the walking surface of <i>flights</i> of stairways, <i>ramps</i>, stepped <i>aisles</i> and ramped <i>aisles</i> shall be located 6 inches (152.4 mm) or less measured horizontally from the edge of the walking surface. Handrails projecting into the width of the walking surface shall comply with Section 1014.9.</p>					
51-54A-1015	Where required	1015.2	1015.2	Repeal existing state amendments:	New model code language is identical
<p>[BE] 1015.2 Where required. <i>Guards</i> shall be located along open-sided walking surfaces, <u>such as</u> <i>mezzanines</i>, equipment platforms, <i>aisles</i>, <i>stairs</i>, <i>ramps</i> and landings, that are located more than 30 inches (762 mm) measured vertically to the floor or grade below at any point within 36 inches (914 mm) horizontally to the edge of the open side <u>and at the perimeter of occupiable roofs</u>. <i>Guards</i> shall be adequate in strength and attachment in accordance with Section 1607.9 of the <i>International Building Code</i>.</p> <p>Exception: <i>Guards</i> are not required for the following locations:</p> <ol style="list-style-type: none"> 1. On the loading side of loading docks or piers. 2. On the audience side of stages and raised platforms, including <i>stairs</i> leading up to the stage and raised platforms. 3. On raised stage and platform floor areas, such as runways, <i>ramps</i> and side stages used for entertainment or presentations. 4. At vertical openings in the performance area of stages and platforms. 5. At elevated walking surfaces appurtenant to stages and platforms for access to and utilization of special lighting or equipment. 6. Along vehicle service pits not accessible to the public. 7. In assembly seating areas at cross <i>aisles</i> in accordance with Section 1030.17.2. 8. On the loading side of station platforms on fixed guideway transit or passenger rail systems. 9. <u>Portions of an occupiable roof located less than 30 inches (762 mm) measured vertically to adjacent unoccupiable roof areas where approved guards are present at the perimeter of the roof.</u> 10. <u>At portions of an occupiable roof where an approved barrier is provided.</u> 					
11 Construction Requirements for Existing Buildings					
51-54A-1103	Fire safety requirements for existing buildings.	1103.2	1103.2	Repeal existing state amendments	Language is identical to state amendment in 2021

1103.2 Emergency responder communications enhancement in existing buildings. Existing buildings other than Group R-3 that do not have *approved* in-building emergency response communications **enhancement** for emergency responders in the building based on existing coverage levels of the public safety communication systems, shall be equipped with such coverage according to one of the following:

1. Where an existing wired communication system cannot be repaired or is being replaced, or where not *approved* in accordance with Section 510.1, Exception 1.
2. Within a time frame established by the adopting authority.

Exception: Where it is determined by the *fire code official* that the in-building emergency responder communications **enhancement** system is not needed.

TAG Member: Quyen Thai		12 Energy Systems			
51-54A-1201	Scope	1201.1	1201.1	Repeal existing state amendments:	
<p>1201.1 Scope. The provisions of this chapter shall apply to the installation, operation, maintenance, repair, retrofitting, testing, commissioning and decommissioning of energy systems used for generating or storing energy, including but not limited to energy storage systems under the exclusive control of an electric utility or lawfully designated agency. It shall not apply to equipment associated with the generation, control, <u>transformation</u>, transmission, or distribution of energy installations that is under the exclusive control of an electric utility or lawfully designated agency. Energy storage systems regulated by Section 1207 shall comply with this chapter, as appropriate, and NFPA 855.</p> <p>1201.1 Scope. The provisions of this chapter shall apply to the installation, operation, maintenance, repair, retrofitting, testing, commissioning and decommissioning of energy systems used for generating or storing energy including, but not limited to, energy storage systems under the exclusive control of an electric utility or lawfully designated agency. It shall not apply to equipment associated with the generation, control, transformation, transmission, or distribution of energy installations that is under the exclusive control of an electric utility or lawfully designated agency. Energy storage systems regulated by WAC 51-54A-1207 shall comply with this chapter as appropriate and NFPA 855.</p>					
51-54A-1201	Mixed System Installation	1201.3	1201.3	Repeal existing state amendments:	Amendment picked up by model code
<p>1201.3 Mixed system installation. Where mixed systems are approved, the aggregate nameplate kWh energy of all energy storage systems in a <i>fire area</i> shall not exceed the maximum quantity specified for any of the energy systems in this chapter. Where required by the <i>fire code official</i>, a hazard mitigation analysis shall be provided and <i>approved</i> in accordance with <u>Section 104.2.2</u> to evaluate any potential adverse interaction between the various energy systems and technologies.</p>					
51-54A-1206	General	1206.1	1206.1	Can remove since the 2024 model code is the exact same wording.	

<p>1206.1 General. <i>Stationary fuel cell power systems</i> in new and existing occupancies shall comply with this section. Exception: The temporary use of a fuel cell-powered electric vehicle to power a Group R-3 or R-4 building while parked shall comply with Section 1206.13.</p>					
51-54A-1206	Residential Use	1206.5	1206.5	Can remove since the 2024 model code is the exact same wording.	
<p>1206.5 Residential use. <i>Stationary fuel cell power systems</i> shall not be installed in Group R-3 and R-4 buildings, or <i>dwelling units</i> associated with Group R-2 buildings unless they are specifically <i>listed</i> for residential use. Exception: The temporary use of a fuel cell-powered electric vehicle to power a Group R-3 or R-4 building while parked shall comply with Section 1206.13.</p>					
51-54A-1206	Gas detection systems	1206.6.3	1206.6.3	Can remove since the 2024 model code is the exact same wording.	
<p>1206.6.3 Gas detection systems. <i>Stationary fuel cell power systems</i> shall be provided with a <i>gas detection system</i>. Detection shall be provided in <i>approved</i> locations in the fuel cell power system enclosure, the exhaust system or the room that encloses the fuel cell power system. The system shall be designed to activate at a <i>flammable gas</i> concentration of not more than 25 percent of the lower flammable limit (LFL).</p>					
51-54A-1206	System activation	1206.6.3.1	1206.6.3.1	Can remove since the 2024 model code is the exact same wording.	
<p>1206.6.3.1 System activation. The activation of the <i>gas detection system</i> shall automatically:</p> <ol style="list-style-type: none"> 1. Close valves between the gas supply and the fuel cell power system. 2. Shut down the fuel cell power system. 3. Initiate local audible and visible alarms in <i>approved</i> locations. 					
51-54A-1207	Stationary Fuel Cell Power Systems	1207	1207	We need to re-evaluate this section since there have been some changes to the 2024 model code and we will need to look at this further to modify the state WAC.	Proposal needed to reorganize amendments in this section to align with 2024 code.
24 Flammable Finishes					
51-54-2404	Prohibited enclosures for spray application operations	2404.2.1	2404.2 2404.3	No longer need amendment. Model code now reflects the WAC with slight difference of making 2404.3.5 as 2404.3 in the 2024 IFC.	

2404.2 Prohibited enclosures for spray application operations. Inflatable or portable enclosures shall not be used for spray application of flammable finishes.

Exception: Enclosures for the spray application of flammable finishes in marinas, dry docking areas or construction areas shall comply with Section 2404.3.

2404.3 Membrane enclosures. The design, construction, protection, operation and maintenance of membrane enclosures shall be in accordance with NFPA 33.

31 Tents, Temporary Special Event Structures and Other Membrane Structures

	Inflatable Amusement Devices		3106	Needs further review	
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SECTION 3106—INFLATABLE AMUSEMENT DEVICES

3106.1 Scope. Inflatable amusement devices shall comply with this section.

Exception: Inflatable amusement devices operated on private property where use is not open to the public.

3106.2 General. Inflatable amusement devices shall be designed, anchored, operated and maintained in accordance with the manufacturer’s instructions and the requirements of ASTM F2374.

3106.3 Combustible materials. The materials used in the construction of the inflatable amusement device shall meet the flame propagation criteria of Test Method 2 of NFPA 701. Additionally, a label and affidavit containing the information required in Sections 3104.3 and 3104.4 of this code shall be permanently affixed to the device.

3106.4 Electrical equipment and wiring. Electrical equipment, blower motors and temporary wiring for electrical power or lighting shall comply with Section 603.

3106.5 Portable generators. Portable generators shall comply with the applicable provisions of NFPA 70 and with the portable generator requirements of this code.

3106.6 Portable fire extinguishers. Each generator shall be provided with an approved portable fire extinguisher complying with Section 906 that is placed in an approved location.

33 Fire Safety During Construction and Demolition

51-54A-3303	Administrative Safety Controls	3303	3303	Delete State amendment. Model code language is the same.	
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Section 3303 - Administrative Safety Controls

51-54A-3303	Components of Site Safety Plans	3303.1.1	3303.1.1	Delete State amendment. Model code language is the same.	
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3303.1.1 Components of site safety plans. *Site safety plans* shall include the following as applicable

	1. Name and contact information of site safety director.				
	2. Documentation of the training of the site safety director and fire watch personnel.				

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	3. Procedures for reporting emergencies.			
	4. Fire department vehicle access routes.			
	5. Location of fire protection equipment, including portable fire extinguishers, standpipes, fire department connections and fire hydrants.			
	6. Smoking and cooking policies, designated areas to be used where <i>approved</i> , and signage locations in accordance with Section 3305.7.			
	7. Location and safety considerations for temporary heating equipment.			
	8. Hot work permit plan.			
	9. Plans for control of combustible waste material.			
	10. Locations and methods for storage and use of <i>flammable</i> and <i>combustible liquids</i> and other hazardous materials.			
	11. Provisions for site security <i>and where required, for a fire watch.</i>			
	12. Changes that affect this plan.			
	13. Other site-specific information required by the <i>fire code official</i> .			
51-54A-3303	Training	3303.2.1	3303.2.1	Delete State amendment. Model code language is the same.
3303.2.1 Training. Training of fire watch and other responsible personnel in the use of fire protection equipment shall be the responsibility of the site safety director. Records of training shall be kept and made a part of the written plan for the <i>site safety plan</i> .				
51-54A-3303	Daily Fire Safety Inspections	3303.3 #10	3303.3 #10	Delete State amendment. Model code language is the same.
10. Portable fire extinguishers are available in locations required by Sections 3305.10.2 and 3306.6.				
51-54A-3303	Fire Watch During Construction	3303.5.1	3303.5.1	Delete State amendment. Model code language is the same.
3303.5.1 Fire watch during construction. A fire watch shall be provided during nonworking hours for new construction that exceeds 40 feet (12 192 mm) in height above the				
51-54A-3303	Fire Watch Personnel	3303.5.2	3303.5.2	Delete State amendment. Model code language is the same.
3303.5.2 Fire watch personnel. Fire watch personnel shall be provided in accordance with this section.				
51-54A-3303	Duties	3303.5.2.1	3303.5.2.1	Delete State amendment. Model code language is the same.
3303.5.2.1 Duties. The primary duty of fire watch personnel shall be to perform constant patrols and watch for the occurrence of fire. The combination of fire watch duties				
51-54A-3303	Means of Notification	3303.5.2.3	3303.5.2.3	Delete State amendment. Model code language is the same.
3303.5.2.3 Means of notification. Fire watch personnel shall be provided with not fewer than one <i>approved</i> means for notify- ing the fire department.				

51-54A-3303	Fire Watch Location and Records	3303.5.3	3303.5.3	Delete State amendment. Model code language is the same.	
3303.5.3 Fire watch location and records. The fire watch shall include areas specified by the <i>site safety plan</i> established in accordance with Section 3303.					
51-54A-3303	Fire Watch Records	3303.5.4	3303.5.4	Delete State amendment. Model code language is the same.	
3303.5.4 Fire watch records. Fire watch personnel shall keep a record of all time periods of duty, including the log entry for each time the site was patrolled and each time a structure was entered and inspected. Records shall be made available for review by the <i>fire code official</i> upon request.					
51-54A-3303	Emergency Telephone	3303.6	3303.6	Delete State amendment. Model code language is the same.	
3303.6 Emergency telephone. Emergency telephone facilities with <i>ready access</i> shall be provided in an <i>approved</i> location at the construction site, or an <i>approved</i> equivalent means of communication shall be provided. The street address of the construction site and the emergency telephone number of the fire department shall be posted adjacent to the telephone. Alternatively, where an equivalent means of communication has been <i>approved</i> , the site address and fire department emergency telephone number shall be posted at the main entrance to the site, in guard shacks and in the construction site office.					
51-54A-3304	Combustable Debris, Rubbish and Waste	3304.1	3304.1	Delete State amendment. Model code language is the same.	
3304.1 Combustible debris, rubbish and waste. Combustible debris, rubbish and waste material shall comply with the requirements of Sections 3304.1.1 through 3304.2.					
51-54A-3304	Combustable Waste Material Accumulation	3304.1.1	3304.1.1	Delete State amendment. Model code language is the same.	
3304.1.1 Combustible waste material accumulation. Combustible debris, rubbish and waste material shall not be accumulated within buildings.					
51-54A-3304	Combustable Waste Material Removal	3304.1.2	3304.1.2	Delete State amendment. Model code language is the same.	
3304.1.2 Combustible waste material removal. Combustible debris, rubbish and waste material shall be removed from buildings at the end of each shift of work.					
51-54A-3304	Rubbish Containers	3304.1.3	3304.1.3	Delete State amendment. Model code language is the same.	
3304.1.3 Rubbish containers. Where rubbish containers with a capacity exceeding 5.33 cubic feet (40 gallons) (0.15 m ³) are used for temporary storage of combustable debris,					
	1. Noncombustible materials.				
	2. Materials that meet a peak rate of heat release not exceeding 300 kW/m ² when tested in accordance with ASTM E1354 at an incident heat flux of 50 kW/m ² in the horizontal orientation.				

51-54A-3304	Spontaneous Ignition	3304.2	3304.2	Delete State amendment. Model code language is the same.	
3304.2 Spontaneous ignition. Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a <i>listed</i> disposal container.					
51-54A-3305	Listed	3305.1	3305.1	Delete State amendment. Model code language is the same.	
3305.1 Listed. Temporary heating devices shall be <i>listed</i> and <i>labeled</i> . The installation, maintenance and use of temporary heating devices shall be in accordance with the listing and the manufacturer's instructions					
51-54A-3305	Oil Fired Heaters	3305.1.1	3305.1.1	Delete State amendment. Model code language is the same.	
3305.1.1 Oil-fired heaters. Oil-fired heaters shall comply with Section 605.					
51-54A-3305	LP-Gas heaters	3305.1.2	3305.1.2	Delete State amendment. Model code language is the same.	
3305.1.2 LP-gas heaters. Fuel supplies for liquefied-petroleum gas-fired heaters shall comply with Chapter 61 and the <i>International Fuel Gas Code</i> .					
51-54A-3305	Refueling	3305.1.3	3305.1.3	Delete State amendment. Model code language is the same.	
3305.1.3 Refueling. Refueling operations for liquid-fueled equipment or appliances shall be conducted in accordance with Section 5705. The equipment or appliance shall be <u>allowed to cool prior to refueling</u> .					
51-54A-3305	Installation	3305.1.4	3305.1.4	Delete State amendment. Model code language is the same.	
3305.1.4 Installation. Clearance to combustibles from temporary heating devices shall be maintained in accordance with the <i>labeled</i> equipment. When in operation, temporary heating devices shall be fixed in place and protected from damage, dislodgement or overturning in accordance with the manufacturer's instructions.					
51-54A-3305	Supervision	3305.1.5	3305.1.5	Delete State amendment. Model code language is the same.	
3305.1.5 Supervision. The use of temporary heating devices shall be supervised and maintained only by competent personnel.					
51-54A-3305	Smoking	3305.2	3305.2	Delete State amendment. Model code language is the same.	
3305.2 Smoking. Smoking shall be prohibited except in <i>approved</i> areas. Signs shall be posted in approved areas where smoking is permitted, approved ashtrays shall be provided in accordance with Section 310. accordance with Section 310. In					

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51-54A-3305	Cutting and Welding	3305.5	3305.5	Delete State amendment. Model code language is the same.	
3305.5 Cutting and welding. Welding, cutting, open torches and other hot work operations and equipment shall comply with Chapter 35.					
51-54A-3305	Electrical	3305.6	3305.6	Delete State amendment. Model code language is the same.	
3305.6 Electrical. Temporary wiring for electrical power and lighting installations used in connection with the construction, <i>alter-ation</i> or demolition of buildings, structures, equipment or similar activities shall comply with NFPA 70.					
51-54A-3305	Cooking	3305.7	3305.7	Delete State amendment. Model code language is the same.	
3305.7 Cooking. Cooking shall be prohibited except in <i>approved</i> designated cooking areas separated from combustible materials by a minimum of 10 feet (3048 mm). Signs					
	DESIGNATED COOKING AREA				
	COOKING OUTSIDE OF A DESIGNATED				
	COOKING AREA IS PROHIBITED				
51-54A-3305	Portable Generators	3305.8	3305.8	Delete State amendment. Model code language is the same.	
3305.8 Portable generators. Portable generators used at construction and demolition sites shall comply with Section 1204.					
51-54A-3305	Hot Work Operations	3305.9	3305.9	Delete State amendment. Model code language is the same.	
3305.9 Hot work operations. The site safety director shall ensure hot work operations and permit procedures are in accordance with Chapter 35.					
51-54A-3305	Safeguarding Roof Operations General	3305.10	3305.10	Delete State amendment. Model code language is the same.	
3305.10 Safeguarding roofing operations. Roofing operations utilizing heat-producing systems or other ignition sources shall be conducted in accordance with Sections 3305.10.1 and 3305.10.2 and Chapter 35.					
51-54A-3305	Asphalt and Tar Kettles	3305.10.1	3305.10.1	Delete State amendment. Model code language is the same.	
3305.10.1 Asphalt and tar kettles. Asphalt and tar kettles shall be operated in accordance with Section 303.					
51-54A-3305	Fire Extinguishers for Roofing Operations	3305.10.2	3305.10.2	Delete State amendment. Model code language is the same.	

3305.10.2 Fire extinguishers for roofing operations. Fire extinguishers shall comply with Section 906. There shall be not less than one multiple-purpose portable fire extinguisher with a minimum 3-A 40-B:C rating on the roof being covered or repaired.					
51-54-3306	Fire Protection Systems and Devices	3306	3306	Delete State amendment. Model code language is the same.	
SECTION 3306—FIRE PROTECTION SYSTEMS AND DEVICES					
51-54-3306	Fire Protection Devices	3306.1	3306.1	Delete State amendment. Model code language is the same.	
3306.1 Fire protection devices. The site safety director shall ensure that all fire protection equipment is main- tained and serviced in accordance with this code. Fire protection equipment shall be inspected in accordance with the fire protection program					
51-54-3306	Impairment of Fire Protection Systems	3306.2	3306.2	Delete State amendment. Model code language is the same.	
3306.2 Impairment of fire protection systems. The site safety director shall ensure impairments to any <i>fire protection system</i> are in accordance with Section 901.					
51-54-3306	Smoke Detectors and Smoke Alarms	3306.3	3306.3	Delete State amendment. Model code language is the same.	
3306.2 Impairment of fire protection systems. The site safety director shall ensure impairments to any <i>fire protection system</i> are in accordance with Section 901.					
36 Marinas					
51-54A-3601	Permits	3601.3	3601.3	Recommend repeal state amendment	Contained within 105,
3601.3 Permits. For permits to operate marine motor fuel-dispensing stations, application of flammable or combustibile finishes, and hot works, see Section 105.5.					
49 Fixed Guideway Transit and Passenger Rail Systems					

51-54A-4900	Fixed guideway transit and passenger rail systems	4900	4900	Modify existing state amendments to align with NFPA 130, 2023 Edition. Current NFPA 130 amendments are to NFPA 130, 2020 Edition as adopted under 2021 Washington State Codes. Minor modifications to existing state amendment will be necessary to align with 2023 Edition. Reorganize section to align with NFPA document organization.	Correlate with IBC Chapter 3116
4901.1 General. Fixed guideway transit and passenger rail systems shall be in accordance with NFPA 130, as modified below.					
4901.2 NFPA 130 Section 3.3.44.2. Add new definition as follows:					
3.3.44.2 Traction power sub station (TPSS): A TPSS is an electrical substation consisting of switchgear transformers/rectifiers, emergency trip					
4901.3 NFPA 130 Section 5.4.4 Modify NFPA 130 Sections 5.4.4.1 and 5.4.4.1.1 to read as follows:					
5.4.4.1 An automatic sprinkler system shall be provided throughout enclosed stations.					
EXCEPTIONS:					
1. Traction power substation (TPSS) when located in a transformer vault designed in accordance with the NFPA 70.					
2. Other high voltage equipment located in a transformer vault designed in accordance with the NFPA 70 when approved by					
3. Fire command centers, communication room(s), and signal rooms when protected					
4. Other operational critical rooms when protected with clean agent fire suppression and separated from other spaces with 2-					
5.4.4.1.1 An automatic sprinkler system shall be provided in areas of open stations used for concessions, markets, storage areas and similar areas with					
EXCEPTIONS:					
1. Stations at grade with less than 1,500 sq. ft. of ancillary area/ancillary space.					
2. Fire command centers, communication room(s), and signal rooms when protected with clean agent fire suppression and					
3. Other operational critical rooms when protected with clean agent fire suppression and separated from other spaces with 2-					
5.4.4.2 Sprinkler protection shall be permitted to be omitted in areas of open stations separated from the station by a distance of 20 feet.					
4901.4 NFPA 130 Section 5.4.5. Modify NFPA 130 Sections 5.4.5.1 as follows:					
5.4.5.1 Class I standpipes shall be installed in enclosed stations in accordance with International Fire Code Section 905 except as modified herein.					
4901.5 NFPA 130 Section 5.4.6. Modify NFPA 130 Sections 5.4.6 as follows:					
5.4.6 Portable fire extinguishers in such number, size, type, and location in accordance with the International Fire Code Section 906.					
5.4.6.1 Portable fire extinguishers are not required in public areas of at-grade stations					
4901.6 NFPA 130 Section 5.2.2. Modify NFPA 130 Section 5.2.2.2 as follows:					
5.2.2.2 Construction types shall conform to the requirements in the International Building Code, Chapter 6, unless otherwise exempted in this section.					
Table 5.2.2.1					
Minimum Construction Requirements for New					
Station Configuration Construction Type†					
Stations erected entirely above grade and in a					

	Open stations	Type IIB			
	Enclosed stations	Type IIA			
	Stations erected entirely or partially below grade:				
	Open above grade portions of below grade structures*	Type IIA			
	Below grade portions of structures	Type IB			
	Below grade structures with occupant loads exceeding 1000	Type IA			
	* Roofs not supporting an occupancy above are				
	† Construction types are in accordance with the				
4901.7 NFPA 130 Section 5.2.2. Modify NFPA 130 Section 5.2.4.3 as follows:					
	5.2.4.3 Ancillary spaces. Fire resistance ratings of separations between ancillary occupancies shall be established as required for accessory				
4901.8 NFPA 130 Section 5.2.5. Modify NFPA 130 Section 5.2.5.4 as follows:					
	5.2.5.4 Materials used as interior finish in open stations shall comply with the requirements of the International Building Code, Chapter 8.				
4901.9 NFPA 130 Section 5.3.1. Modify NFPA 130 Section 5.3.1.1 as follows:					
	5.3.1.1 The provisions for means of egress for a station shall comply with the International Building Code, Chapter 10, except as herein modified.				
4901.10 NFPA 130 Section 5.3.2. Add a New Section to NFPA 130 Section 5.3.2.2.1 as follows:					
	5.3.2.2.1 Where station occupancy is anticipated to be greater than design capacity during a major event the operating agency shall initiate approved				
4901.11 NFPA 130 Section 5.3.4. Modify NFPA 130 Section 5.3.2.4(1) as follows:					
	(1) The occupant load for that area shall be determined in accordance with the provisions of the International Building Code as appropriate for the				
4901.12 NFPA 130 Section 5.3.3. Modify NFPA 130 Section 5.3.3.4 as follows:					
	5.3.3.4 Travel distance. For open stations the maximum travel distance on the platform to a point at which a means of egress route leaves the				
4901.13 NFPA 130 Section 5.3.5. Modify NFPA 130 Section 5.3.5.3(2) as follows:					
	(2)* Travel speed - 14.6 m/min (48 ft./min) (indicates vertical component of travel speed).				
	5.3.2.4 Where an area within a station is intended for use by other than passengers or employees, the following parameters shall apply:				
		1. The occupant load for that area shall be determined in accordance with the provisions of the IBC NFPA 101 as appropriate			
		2. The additional occupant load shall be included in determining the required egress from that area.			
		3. The additional occupant load shall be permitted to be omitted from the station occupant load where the area has			
	5.3.3.4 Travel distance. For open stations the maximum travel distance on the platform to a point at which a means of egress route leaves the				
	5.3.5.4 Escalators shall not account for more than one-half of the egress capacity at any one level.				
4901.14 NFPA 130 Section 5.3.5. Delete NFPA 130 Section 5.3.5.5.					

4901.15 NFPA 130 Section 5.3.7. Modify NFPA 130 Section 5.3.7 as follows:					
5.3.7* Doors, gates, security grilles and exit hatches.					
5.3.7.1 The egress capacity for doors and gates in a means of egress serving public areas shall be computed as follows:					
1. Sixty people per minute (p/min) for single leaf doors and gates.					
2.* 0.0819 p/mm-min (2.08 p/in.-min) for biparting multileaf doors and gates measured for the clear width dimension.					
5.3.7.2.1 Security grilles are allowed when designed and operated in accordance with the International Building Code.					
4901.16 NFPA 130 Section 5.3.9. Modify NFPA 130 Section 5.3.9 as follows:					
5.3.9* Horizontal exits. Horizontal exits shall comply with the International Building Code Section 1026.					
4901.17 NFPA 130 Section 5.3.11. Modify NFPA 130 Section 5.3.11 as follows:					
5.3.11.1 Illumination of the means of egress in stations, including escalators that are considered a means of egress, shall be in accordance with the					
5.3.11.2 Means of egress, including escalators considered as means of egress, shall be provided with a system of emergency lighting in accordance					
4901.18 NFPA 130 Section 5.4.7. Modify NFPA 130 Section 5.4.7 as follows:					
5.4.7 Emergency ventilation shall be provided in enclosed stations in accordance with Chapter 7 and the International Building Code Section 909.					
57 Flammable and Combustible Liquids					
51-54A-5704	Underground tanks.	5704.2.11	5704.2.11	Keep Existing Amendment	State Amendment numbering is incorrect. It should be 5704.2.11.1 through 5704.2.11.4.2.1
5704.2.11 Underground tanks. Underground storage of <i>flammable</i> and <i>combustible liquids</i> in tanks shall comply with Section 5704.2 and Sections 5704.2.11.1 through 5704.2.11.4.2.1. Corrosion protection shall comply with WAC 173-360-305.					
51-54A-5706	Commercial, industrial, governmental or manufacturing.	5706.5.4.5	5706.5.4.5	Keep Existing Amendment as Modified	2024 Code adds Class I and existing state amendment adds #12 to list. Modify text to remove last sentence.
5706.5.4 Dispensing from tank vehicles and tank cars. Dispensing from tank cars into the fuel tanks of motor vehicles shall be prohibited. Dispensing from tank vehicles into the fuel tanks of motor vehicles shall be prohibited unless allowed by and conducted in accordance with Sections 5706.5.4.1 through 5706.5.4.5.					
5706.5.4.1 Marine craft and special equipment. Liquids intended for use as motor fuels are allowed to be transferred from tank vehicles into the fuel tanks of marine craft and special equipment where <i>approved</i> by the <i>fire code official</i> , and where:					
<ol style="list-style-type: none"> 1. The tank vehicle's specific function is that of supplying fuel to fuel tanks. 2. The operation is not performed where the public has access or where there is unusual exposure to life and property. 3. The dispensing line does not exceed 50 feet (15 240 mm) in length. 4. The dispensing nozzle is <i>approved</i>. 5. The operation shall be in accordance with Sections 2310.4.1 and 2310.4.2. 					

51-54A-5707	General	5707.1	5707.1	Repeal Amendment	Same as Model Code language
<p>5707.1 General. On-demand <i>mobile fueling</i> operations that dispense Class I, II and III liquids into the fuel tanks of motor vehicles shall comply with Sections 5707.1 through 5707.6.6.</p> <p>Exception: Fueling from an <i>approved</i> portable container in cases of an emergency or for personal use.</p> <p>Model language is the same as amendment</p>					
51-54A-5707	Approval required	5707.1.1	5707.1.1	Keep Existing Amendment as Modified	State amendment revises section Use model code
<p>5707.1.1 Approval required. Mobile fueling operations shall not be conducted without first obtaining a permit and approval from the fire code official. Mobile fueling operations shall occur only at approved locations. The fire code official is authorized to approve individual locations or geographic areas where mobile fueling is allowed.</p> <p>5707.1.1 Approval required. <i>Mobile fueling</i> operations shall not be conducted without first obtaining an operational permit in accordance with Section 105.5.18.</p>					
51-54A-5707	Mobile Fueling Vehicle	5707.2	5707.2	Repeal existing state amendment	
<p>5707.2 Mobile fueling vehicle. An on-demand mobile fueling vehicle shall be utilized in on-demand fueling operations for the dispensing of Class I, II or III liquids into the fuel tanks of motor vehicles and shall comply with Sections 5707.2.1 and 5707.2.2.</p> <p>5707.2 Mobile fueling vehicle. An on-demand <i>mobile fueling</i> vehicle shall be that which is utilized in on-demand fueling operations for the dispensing of Class I, II or III liquids into the fuel tanks of motor vehicles.</p>					
51-54A-5707	Mobile fueling vehicle classifications	5707.2.1	5707.2.1	Repeal existing state amendments:	Change to model code terminology tiers. (Review if we can change to Tier instead of Type.)
<p>5707.2.1 Mobile fueling vehicle classifications. An on-demand <i>mobile fueling</i> vehicle shall be characterized as one of the following:</p> <ol style="list-style-type: none"> Tier 1 mobile fueling vehicle. A tank vehicle that complies with NFPA 385 and that has chassis-mounted tanks where the aggregate capacity does not exceed 1,600 gallons (6057 L). Tier 2 mobile fueling vehicle. A vehicle with one or more chassis-mounted tanks or containers that do not exceed 110 gallons (416 L) in capacity with an aggregate capacity that does not exceed 800 gallons (3028 L) or the weight capacity of the vehicle in accordance with DOTn. Tier 3 mobile fueling vehicle. A vehicle that carries a maximum aggregate capacity of 60 gallons (227 L) of motor fuel in metal safety cans <i>listed</i> in accordance with UL 30 or other <i>approved</i> metal containers, each not to exceed 5 gallons (19 L) in capacity. 					

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51-54A-5707	Mobile fueling vehicle requirements	5707.2.2	5707.2.2	Repeal Existing Amendment	Do not need amendment, language in IFC
<p>5707.2.2 Mobile fueling vehicle requirements. Each <i>mobile fueling</i> vehicle shall comply with all local, state and federal requirements, as well as the following:</p> <ol style="list-style-type: none"> 1. <i>Mobile fueling</i> vehicles with a chassis-mounted tank in excess of 110 gallons (416 L) shall also comply with the requirements of Section 5706.6 and NFPA 385. 2. The <i>mobile fueling</i> vehicle and its equipment shall be maintained in good repair. 3. Safety cans and <i>approved</i> metal containers shall be secured to the <i>mobile fueling</i> vehicle except when in use. 4. Fueling a motor vehicle from tanks or containers mounted in a trailer connected to a <i>mobile fueling</i> vehicle shall be prohibited. 					
51-54A-5707	Required documents	5707.3	5707.3	Repeal Existing Amendment	Do not need amendment, language in IFC
<p>5707.3 Required documents. Documents developed to comply with Sections 5707.3.1 through 5707.3.3 shall be updated as necessary by the <i>owner</i> of the <i>mobile fueling</i> operation and shall be maintained in compliance with Section 110.3.</p>					
51-54A-5707	Safety and emergency response plan	5707.3.1	5707.3.1	Repeal Existing Amendment	Do not need amendment, language in IFC
<p>5707.3.1 Safety and emergency response plan. <i>Mobile fueling</i> operators shall have an <i>approved</i> written safety and emergency response plan that establishes policies and procedures for fire safety, spill prevention and control, personnel training and compliance with other applicable requirements of this code.</p>					
51-54A-5707	Training records	5707.3.2	5707.3.2	Repeal Existing Amendment	Do not need amendment, language in IFC
<p>5707.3.2 Training records. <i>Mobile fueling</i> vehicles shall be operated only by designated personnel who are trained on proper fueling procedures and the safety and emergency response plan. Training records of operators shall be maintained.</p>					
51-54A-5707	Site plan	5707.3.3	5707.3.3	Repeal Existing Amendment	Do not need amendment, language in IFC

<p>5707.3.3 Site plan. Where required by the <i>fire code official</i>, a site plan shall be developed for each location or area at which <i>mobile fueling</i> occurs. The site plan shall be in sufficient detail to indicate the following:</p> <ol style="list-style-type: none"> 1. All buildings and structures. 2. <i>Lot lines</i> or property lines. 3. Electric car chargers. 4. Solar photovoltaic parking lot canopies. 5. Appurtenances on-site and their use or function. 6. All uses adjacent to the <i>lot lines</i> of the site. 7. Fueling locations. 8. Locations of all storm drain openings and adjacent waterways or wetlands. 9. Information regarding slope, natural drainage, curbing and impounding. 10. How a spill will be kept on the site property. 11. Scale of the site plan. 					
51-54A-5707	Mobile fueling areas	5707.4	5707.4	Repeal Existing Amendment	Do not need amendment, language in model IFC
<p>5707.4 Mobile fueling areas. During fueling, the <i>mobile fueling</i> vehicle and point of connection to the vehicle shall not be located on public streets, <i>public ways</i> or inside <i>buildings</i>. Fueling on the roof level of parking structures or other <i>buildings</i> is prohibited.</p>					
51-54A-5707		5707.4.1 through 5707.6.4	5707.4.1 through 5707.6.4	Repeal Existing Amendment	Do not need amendment, language in model IFC

5707.4.1 Separation. During fueling, the point of connection to the vehicle being fueled shall not take place within 25 feet (7620 mm) of buildings, *lot lines*, property lines or combustible storage. *Mobile fueling* vehicles shall not park within 10 feet (3048 mm) of buildings, *lot lines*, property lines or combustible storage.

Exceptions:

1. The *fire code official* shall be authorized to decrease the separation distance for dispensing from metal safety cans or other *approved* metal containers in accordance with Section 5707.2.
2. The point of fueling shall not take place within 10 feet (3048 mm) of buildings, *lot lines*, property lines or combustible storage where the *mobile fueling* vehicle has an *approved* vapor recovery system or is servicing vehicles with onboard refueling vapor recovery.

Where dispensing operations occur within 15 feet (4572 mm) of a storm drain, an *approved* storm drain cover or an *approved* equivalent method that will prevent any fuel from reaching the drain shall be used.

5707.4.2 Sources of ignition. Smoking, open flames and other sources of ignition shall be prohibited within 25 feet (7620 mm) of fuel dispensing activities. Signs prohibiting smoking or open flames within 25 feet (7620 mm) of the vehicle or the point of fueling shall be prominently posted on the *mobile fueling* vehicle. The engines of vehicles being fueled shall be shut off during fueling.

5707.4.3 Electrical equipment. *Mobile fueling* shall not occur within 20 feet (6096 mm) of electrical equipment located within 18 inches (457 mm) of the ground unless such electrical equipment is rated for Class I, Division 2, hazardous locations in accordance with NFPA 70.

5707.5 Equipment. *Mobile fueling* equipment shall comply with Sections 5707.5.1 through 5707.5.5.

5707.5.1 Dispensing hoses and nozzles. Where equipped, the dispensing hose shall not exceed 50 feet (15 240 mm) in length. The dispensing nozzles and hoses shall be of an *approved* and *listed* type. Where metal-to-metal contact cannot be made between the nozzle and the fuel fill opening, a means for bonding the *mobile fueling* vehicle to the motor vehicle shall be provided and employed during fueling operations.

5707.5.2 Breakaway device. A *listed* breakaway device shall be provided at the nozzle.

Exception: *Mobile fueling* vehicles equipped with an *approved* brake interlock tied to the nozzle holder that prohibits movement of the *mobile fueling* vehicle when the nozzle is removed from its holder or tied to the delivery of fuel that prevents activation of the pumping system.

5707.5.3 Shutoff valve and fuel limit. *Mobile fueling* vehicles shall be equipped with a *listed* shutoff valve assembly and a fuel limit switch set to a maximum of 30 gallons (116 L).

5707.5.4 Fire extinguisher. An *approved* portable fire extinguisher complying with Section 906 with a minimum rating of 4-A:80-B:C shall be provided on the *mobile fueling* vehicle with signage clearly indicating its location.

5707.5.5 Spill kit. *Mobile fueling* vehicles shall contain a minimum 5-gallon (19 L) spill kit of an *approved* type.

5707.6 Operations. *Mobile fueling* vehicles shall be constantly attended during fueling operations with brakes set and warning lights in operation. *Mobile fueling* vehicles shall not obstruct emergency vehicle access roads.

5707.6.1 Dispensing hose. Where equipped, *mobile fueling* vehicles shall be positioned in a manner to preclude traffic from driving over the dispensing hose. The dispensing hose shall be properly placed on an *approved* reel or in an *approved* compartment prior to moving the *mobile fueling* vehicle.

5707.6.2 Drip control. Operators shall place a drip pan or an absorbent pillow under the nozzle and each fuel fill opening prior to and during dispensing operations to catch drips.

5707.6.3 Safety cones. Safety cones or other visual barriers shall be employed as warning devices to highlight the vehicle fueling area.

5707.6.4 Vehicle lights. The *mobile fueling* vehicle flasher lights shall be in operation while dispensing operations are in progress.

51-54A-5707	Spill reporting	5707.6.6	5707.6.6	Repeal Existing Amendment	Do not need amendment, language in model IFC
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5707.6.6 Spill reporting. Spills shall be reported in accordance with Section 5003.3.1.

5707.6.6 Spill reporting. Spills shall be reported in accordance with Section 5003.3.1.

80 Referenced Standards

51-54A-8000	NFPA 33	CH 80	CH 80	Update to 2024 Edition	
NFPA 33-18 Membrane Enclosures2404.3.5					
51-54A-8000	NFPA 96	CH 80	CH 80	Update to 2024 Edition	
NFPA 96-21 Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations 606.2, 606.3, 904.13					
51-54A-8000	NFPA 130	CH 80	CH 80	Update to 2023 Edition	
NFPA 130-20 Standard for Fixed Guideway Transit and Passenger Rail Systems 4901.1					
51-54A-8000	NFPA 855	CH 80	CH 80	Update to 2023 Edition	
NFPA 855-23 Standard for the Installation of Stationary Energy Storage Systems 1201.1					