
CITY AND BOROUGH OF JUNEAU

TITLE 19

- Changes with green font color have been edited for the 2006 I codes adoption and remain the same as previously adopted with the 2003 International codes.
- Deletions are ~~in red/strike~~ through.
- New text is Blue.
- In addition the serial numbers at the end of the section are deleted when the review of the section is complete.
- **Please note** If text is still in black font that means the Building Code Advisory Committee has not completed it's review for recommend changes for that section of code.

File Name: IFC working copy

Edited from 19.010 Fire Code which last modified an effective 7-6-2006 and was based on the 2003 IFC.

Proposed modification of current adopted code (as of July 6, 2006) for adoption of 2006 models codes.

Please send comments to: debra_purves@ci.juneau.ak.us or fax to Debbie Purves at 907-586-3365
Mail: 155 S. Seward Street, Juneau, AK 99801 Telephone: 907-586-0767

Chapter 19.10

FIRE CODE*

* **Editors Note:** Serial No. 2004-31, § 1, adopted Oct. 11, 2004 amended Title 19 in its entirety. Serial No. 2006-19, adopted May 23, 2006 further amended Title 19 to read as herein set out. See the editor's note at Tit. 19 and also the Code Comparative Table for a detailed analysis of inclusion.

Charter References: Technical code adoption, § 5.5.

Administrative Code of Regulations cross reference--Density bonus, fire service, Part IV, § 04 CBJAC 030.010.

Cross References: Fire service area, CBJ Code § 01.30.100; fire service area functions, CBJ Code § 01.30.110; general right of entry for inspection, CBJ Code ch. 01.35; fire department, CBJ Code § 03.10.065; code enforcement, CBJ Code ch. 03.30; fire code fine schedule, CBJ Code § 03.30.057.

State Law References: Fire protection, AS 18.70.010 et seq.; fire code, 13 AAC 50.025.

Note: State Fire Marshal required changes are designated by "(SFM)".

19.10.010 International Fire Code (IFC) adopted.

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19.10.010 International Fire Code (IFC) adopted.

For the purpose of regulating the storage, handling and use of hazardous substances, materials and devices and other conditions hazardous to life or property in the use or occupancy of buildings or premises or portions thereof in the City and Borough, there is adopted by reference as the fire code of the City and Borough that certain compilation of rules and regulations jointly prepared and published by the International Code Council, a nationally recognized professional and trade organization, which compilation is entitled "International Fire Code, ~~2003~~ 2006 Edition," (IFC) and ~~five~~ four copies each of which have been filed in the office of the municipal clerk of the City and Borough or such other places as designated by the municipal clerk for public use, inspection and examination and which compilation is made a part of this chapter as if fully set forth in this section, subject only to the enumerated additions, deletions and changes in this chapter.

19.10.101 ~~Accessibility~~ Administration; general.

Delete IFC Section 101, General, except as referred to elsewhere in this code. ~~and add the following:~~

19.10.101.1 Accessibility.

Add the following new subsection:

"101.1 Accessibility. When buildings or facilities (or portions thereof) are covered by IBC Chapter 11, Accessibility, installations such as switches and controls, receptacles, signage, elevators and lifts, protective signaling systems, alarm systems, telephone listening devices and other operable equipment and the height of operable parts such as receptacles, switches, thermostats, panelboards, controls and other operable equipment shall meet or exceed the requirements of ICC/ANSI A117.1-2003."

19.10.105 Permits.

Delete subsections 105.6 Required operational permits and 105.7 Required construction permits except where referred to in CBJ 19.01.105.1.5 Fire Code Permits Required. All references to permit requirements in IFC chapters 3 through 44 are deleted except in those sections corresponding to the required permits in CBJ 19.01.105.1.5.

19.10.202 Definitions.

In IFC Section 202, "Occupancy classifications", "Educational Group E", delete the definition of "Day Care" and insert the following paragraph:

"The use of a building or structure, or portion thereof, for education, supervision or personal care services for more than five children older than 2 1/2 years of age, including children related to the staff shall be classified as an E occupancy." (SFM)

And add an exception under the definition "Educational Group E, Day care" to read:

Exception. Family child care homes (Group R-3) operating between the hours of 6:00 a.m. and 10:00 p.m. may accommodate a total of 12 children of any age without conforming to the requirements of ~~a Group E occupancy~~ **this regulation (E occupancy)** except for ~~(1)~~ smoke **detectors and** alarms as described in Subsection 907.2.10; **carbon monoxide detectors and alarms as specified in 19.03.422;** ~~(2) general~~ means of egress requirements of Section 1003, including emergency escape and rescue openings, as required by Section ~~1009~~ **1026**, in napping or sleeping rooms; and ~~(3)~~ portable fire extinguisher requirements as described in Section 906." (SFM)

Add a new paragraph between the first and second paragraphs of the definition of "Institutional Group I-1" in "Occupancy Classification" to read:

"A facility in this occupancy classification that has occupants who need physical assistance to respond in emergency situations must comply with the International Building Code, Section 19.03.~~419~~ **423**." (SFM)

And change the first sentence of the last paragraph of definition of Occupancy Group I-1 to read:

"A facility such as the above with five or fewer persons, including persons related to the staff, shall be classified as Group R-3 or shall comply with the International Residential Code." (SFM, partial)

And change the first sentence of the second paragraph of definition of Occupancy Group I-2 to read:

"A facility such as the above with five or fewer persons, including persons related to the staff, shall be classified as Group R-3 or shall comply with the International Residential Code." (SFM, partial)

And change the last paragraph of the definition of Occupancy Group I-2 to read:

"A child care facility that provides care on a 24-hour basis to more than five children 2 1/2 years of age or less, including children related to the staff shall be classified as Group I-2." (SFM)

And revise the second sentence of the definition "Group I-4, day care facilities" to read:

"A facility such as the above with five or fewer persons, including persons related to the staff, shall be classified as a Group R-3 or shall comply with the International Residential

Code." (SFM, partial)

Add a new paragraph between the first and second paragraphs of the definition of "Institutional Group I-4" in "Occupancy Classification" to read:

"A facility in this occupancy classification that has occupants who need physical assistance to respond in emergency situations must comply with the International Building Code, Section 19.03.~~419~~ 423."

And add the following definition:

"*Service* is the annual test, maintenance or service defined and required by applicable fire protection system maintenance standards set out in Table 901.6.1." (SFM)

19.10.307.2.2 1.1 Open burning; prohibited open burning.

Add the following sentences to the end of the paragraph.

"Open burning by commercial business is not allowed. Open burning which creates a danger to public health or safety will not be allowed. Open burning which causes a public nuisance shall be discontinued or extinguished. No person may cause or allow the open burning of: asphalt, rubber, plastic, tar, wire insulation, petroleum products, petroleum based products, petroleum treated products, automobile parts, treated lumber, oily waste, contaminated oil clean up materials, or other materials that produce black smoke; or putrescible garbage, or animal carcasses."

19.10.307.2.1 Open burning; authorization.

Add the following sentence to the end of the paragraph.

"Call 907-586-5333 between November 1 and April 1 for burn ban status."

19.10.308.3 Open flames.

Delete IFC Section 308.3 and add the following:

"**308.3** *Open flame.* The use of open flame in connection with a public meeting or gathering for the purposes of deliberation, worship, entertainment, amusement, instruction, education, recreation, awaiting transportation or similar purposes in assembly or educational occupancies shall be done in consultation with the fire department." (SFM)

19.10.311.5 Vacant premises; placards.

Delete sections 311.5 through 311.5.5. (SFM)

19.10.401.3 Emergency forces notification.

Revise the first sentence to read:

"In the event an unwanted fire occurs on a property, the owner or occupant shall immediately report the conditions to the fire chief." (SFM)

19.10.405.10 Emergency evacuation drills; false alarms.

Add a new subsection to read:

"405.10 *False alarms.* False alarms may not be counted as a fire drill for the purposes of this section." (SFM)

19.10.407.1 Hazard communication; general.

Delete IFC Section 407.1 and add the following:

"407.1 *General.* The provisions of Sections 407.2 through 407.7 shall be applicable, in the discretion of the fire chief, where hazardous materials are located on the premises." (SFM)

19.10.408.3.5 Use and occupancy-related requirements; Group E occupancies; false alarms.

Add a new subsection as follows:

"408.3.5 *False Alarms.* False alarms may not be counted as a fire drill for the purposes of this section." (SFM)

19.10.501.2 Fire service features; general; permits.

Delete IFC Section 501.2 in its entirety.

~~**19.10.503.1.1 Fire service features; fire apparatus roads, buildings and facilities.**~~

~~Revise the first paragraph to read:~~

~~"The fire chief may require approved fire apparatus roadways for every facility, building, or portion of a building constructed or moved into or within the jurisdiction on or after 09/15/01. The fire apparatus access roadway must be required to comply with the requirements of this section as determined by the fire chief and be required to extend within 150 feet (45 720 mm) of all portions of the facility or building or any portion of the exterior wall of the first story of the facility or building as measured by an approved route around the exterior of the building or facility." (SFM)~~

19.10.507.4 Hazards to firefighters; smoke obstruction systems.

Add a new subsection as follows:

"507.4 *Smoke obstruction systems.* Smoke obstruction systems associated with security or burglar alarm systems are not allowed." (SFM)

19.10.508.3 Fire flow.

Delete IFC Section 508.3 and add the following:

"508.3 Water supplies for the fire flow requirements for buildings or portions of buildings and facilities shall be calculated using the provisions of Appendix Chapter B and Table B105.1."

19.10.508.5.2 Fire protection water supplies; inspection, testing and maintenance.

Delete the word "periodic" in the first sentence and replace with the following:

"annual "

19.10.508.5.7 Fire protection water supplies; fire hydrant connectors.

Add a new subsection as follows:

"19.10.508.5.7 Fire hydrant connectors. All new or relocated fire hydrants shall be equipped with connectors of an approved type."

19.10.508.6 Fire protection water supplies; damage protection.

Add a new subsection as follows:

"508.6 *Damage Protection.* When exposed to probable vehicular damage due to proximity to alleys, driveways or parking areas, standpipes, post indicator valves and sprinkler system or standpipe system connections shall be protected by guard posts or other approved means."

19.10.510.2 Fire department access to equipment; electrical disconnect.

Add a new subsection as follows:

"510.2 *Electrical disconnect.* Electrical disconnects or shunt trip controls for a building shall be accessible from the exterior of the building or in a room with direct access to the exterior. Such room shall be separated from remainder of the building by construction capable of resisting the passage of smoke. Doors shall be self-closing or automatic-closing upon detection of smoke. Doors shall not have air transfer openings and shall not be undercut in excess of the clearance permitted in accordance with NFPA 80.

19.10.603.3.1 Fuel fired appliances; maximum outside fuel oil storage above ground.

Add the following to the end of the last sentence:

"and have a minimum distance to nearest important building of not less than five feet."
(SFM)

19.10.604.2.15 16.2.2 Underground buildings; emergency power; pickup time.

Add a new subsection as follows:

"~~604.2.15~~ *16.2.2 Pickup time.* The emergency power system shall pick up its connected loads within 10 seconds of failure of the normal power supply." (SFM)

19.605.10 Portable electric space heaters.

Delete "through 605.10.4" in the first sentence and replace with "through 605.10.6"

And add the following new subsections:

605.10.5 Building greater than 35 feet in height. Portable, electric space heaters shall not be operated in buildings greater than 35 feet in height.

605.10.6 I occupancy groups. Portable, electric space heaters shall not be operated within portions of buildings containing I occupancies."

19.10.703.2.3.1 Door operation; operation.

Add a new subsection as follows:

"*703.2.3.1 Operation.* Fire assemblies shall not be obstructed or otherwise impaired from their proper operation at any time. When two or more self-closing fire assemblies within a building have been documented as having been obstructed or impaired during three or more inspections, the fire code official may order the installation of automatic closing devices meeting the requirements of Subsection ~~715.3.7.3~~ **715.4.7.3** of the IBC." (SFM, ~~partial~~)

19.10.901.4.1.1 Fire protection systems; installation; required fire protection systems; licenses.

Add a new subsection as follows:

"*901.4.1.1 Licenses.* All work on fire suppression systems is to be done by a person licensed by the State of Alaska, Department of Public Safety, for the work being performed."

19.10.901.4.5 Fire protection systems; installation; marking of fire protection equipment and fire hydrants.

Add a new subsection as follows:

"901.4.5 *Marking of fire protection equipment and fire hydrants.* Fire Department connection devices for building sprinkler systems in new and existing buildings shall be identified by the installation of approved reflective markers or signs installed above the device in an unobstructed location at approximately 7 feet above grade."

19.10.901.5 Fire protection systems; installation acceptance testing.

Add the following at the end of the last sentence:

"and all results of such tests must be conveyed to the **chief Fire Marshal** within 30 days." (SFM)

19.10.901.6.2.2 Fire protection systems; inspection, testing and maintenance; records; reports.

Add a new subsection as follows:

"901.6.2.~~1~~.2 *Reports.* A copy of all services reports shall be sent to the fire code official. Each system shall be tagged by the inspection agency, indicating the date of service and whether or not the system is in conformance with the associated standards." (SFM, partial)

19.10.901.6.3 Fire protection systems; inspection, testing and maintenance; ~~;~~ schedule.

Add the following new subsection:

"901.6.3 *Schedule.* Notwithstanding other code or standard requirements, fire extinguishers and fire systems shall be inspected, tested and serviced as follows:

1. Annually.

EXCEPTIONS:

- (A) Standpipes systems shall be inspected, tested and serviced every 5 years.
 - (B) Range hoods automatic fire extinguishing systems shall be inspected, tested and serviced every 6 months as specified in IFC 904.11.6.4.
2. After any use or activation,
 3. Any time damage is found,

4. After repair or alteration,
5. When required by the fire chief,
6. After a seasonal shutdown.

Reports of inspections and tests shall be maintained on the premises plus a copy of the acceptance test certificate shall be forwarded to the chief by the person conducting the inspection or test within 30 days of the inspection or test being completed. The annual fire extinguisher testing may be performed by any person who has a valid permit in accordance with 13 AAC 50.030(h), including the building owner or the owner's agent." (SFM)

19.10.901.6.4 Fire protection systems; inspection, testing and maintenance; certification of operable systems.

Add the following new subsection:

"*901.6.4 Certification of operable systems.* Certification of a system's condition shall include, at a minimum, the relevant information specified in 2002~~8~~ NFPA 25, Appendix B."

19.10. 903.2.1.2 Automatic sprinkler systems; Group A-2.

In item 2 change "~~300 100~~" to "~~100 50~~."

19.10.903.2.2 Automatic sprinkler systems; Group E.

Delete IFC Section 903.2.2, and add the following:

"*903.2.2 Group E.* An automatic sprinkler system shall be provided throughout all buildings in Group E occupancies and for every portion of educational buildings below the level of exit discharge. The use of a firewall does not constitute a separate building for the purposes of this section.

Exception: Buildings with E occupancies having an occupant load of 49 or less.

Day care uses that are licensed to care for more than 5 persons between the hours of 10 p.m. and 6 a.m. shall be equipped with an automatic sprinkler system designed and installed in accordance with Subsection 903.3.1.3, or an approved equivalent system." (SFM)

~~19.10.903.2.7 Automatic sprinkler systems; Group R.~~

~~Revise to read as follows:~~

~~"An automatic sprinkler system shall be installed in Group R occupancies as required in 903.2.7.1 through 903.2.7.3" (SFM)~~

19.10.903.2.7.1 Automatic sprinkler systems; Group R-1.

Add a new subsection as follows:

~~"903.2.7.1 Group R-1. An automatic sprinkler system shall be provided throughout all buildings with a Group R-1 fire area.~~

Exceptions:

- ~~1. Where guestrooms are not more than three stories above the lowest level of discharge and each guestroom has at least one door leading directly to an exterior exit access that leads directly to approved exits.~~
- ~~2. A residential sprinkler system installed in accordance with Section 903.3.1.2 shall be allowed in buildings, or portions thereof, of Group R-1." (SFM)~~

19.10.903.2.7.2 Automatic sprinkler systems; Group R-2.

Add a new subsection as follows:

~~"903.2.7.2 Group R-2. An automatic sprinkler system shall be provided throughout all buildings with a Group R-2 fire area where more than two stories in height, including basements, or where having more than sixteen dwelling units or sleeping rooms.~~

Exception: ~~A residential sprinkler system installed in accordance with Section 903.3.1.2 shall be allowed in buildings, or portions thereof, of Group R-2." (SFM)~~

19.10.903.2.7.3 Automatic sprinkler systems; Group R-4.

Add a new subsection as follows:

~~"903.2.7.3 Group R-4. An automatic sprinkler system shall be provided throughout all buildings with a Group R-4 fire area.~~

Exception: ~~A residential sprinkler system installed in accordance with Section 903.3.1.2 shall be allowed in Group R-4 facilities." (SFM)~~

19.10.903.2.10.1 Automatic sprinkler systems; stories and basements without openings.

In the first sentence, delete the words: "where the floor area exceeds 1,500 square feet (139.4 m²) and"

~~19.10.903.2.10.3 Automatic sprinkler systems; buildings more than three stories or 45 feet in height.~~

~~Delete the subsection 903.2.10.3 Automatic sprinkler systems; buildings more than three stories or 55 feet in height and the Exceptions and add the following:~~

~~"903.2.10.3 Buildings more than three stories or 45 feet in height. An automatic fire sprinkler system shall be installed throughout all buildings more than three stories in height or where any portion is more than 45 feet above or below fire department vehicle access. This requirement shall not affect the sprinkler substitutions in IBC Chapter 5, General Building Heights and Areas and IBC Chapter 7, Fire Resistance-Rated Construction."~~

~~(Serial No. 2004-31, § 1, 10-11-2004; Serial No. 2006-19, § 20, 5-23-2006)~~

19.03.903.2.10.3 Automatic sprinkler systems; buildings over three stories or more than 35 feet in height.

Delete subsection 903.2.10.3, and the Exceptions and add the following:

"903.2.10.3 Buildings over three stories or more than 35 feet in height. An automatic fire sprinkler system shall be installed throughout all buildings more than three stories in height or where any portion is more than 35 feet above or below fire department vehicle access. This requirement shall not affect the sprinkler substitutions in IBC Chapter 5, General Building Heights and Areas and IBC Chapter 7, Fire Resistance-Rated Construction."

~~19.10.903.2.10.4 Automatic sprinkler systems; buildings over 12,000 square feet.~~

~~Add a new subsection as follows:~~

~~"903.2.10.4 Buildings over 12,000 square feet. When new construction, addition or remodeling creates a building not covered in IFC Sections 903.2.10.1 through 903.2.10.3 and where the ground floor area exceeds 12,000 square feet, an automatic sprinkler system shall be installed throughout the building. For this section only, not less than four-hour fire walls may be used to divide larger buildings into buildings less than 12,000 square feet, however, automatic closing door openings with three-hour fire resistive ratings are allowed at a rate of no more than one opening in every 50 lineal feet of fire wall."~~

~~(Serial No. 2004-31, § 1, 10-11-2004; Serial No. 2006-19, § 20, 5-23-2006)~~

19.03.903.2.10.4 Automatic sprinkler systems; new construction.

Add a new subsection as follows:

"19.03.903.2.10.4 Automatic sprinkler systems; new construction. Except as provided in CBJ 19.03.903.2.10.4.1, when a newly constructed building exceeds the specified area set forth in

Table 19.03.903.2.10.4, Maximum Areas, an automatic sprinkler system shall be installed throughout the building.

Table 19.03.903.2.10.4 Maximum Areas ^a

Construction Type	Area of all occupancies except F -1 and S-1 (square feet)	Area for F -1 or S-1 (square feet)
IA	59,000	50,150
IB	59,000	50,150
IIA	33,200	28,220
IIB	15,400	13,090
IIIA	33,200	28,220
IIIB	15,400	13,090
IV	21,300	18,105
VA	21,300	18,105
VB	9,400	7,990

For SI: 1 square foot = 0.0929 m².

^a. For mixed occupancies with F -1 or S-1 occupancy , use maximum area of whole building as if all F -1 or S-1 occupancy unless the F -1 and/or S-1 occupancy is separated by a fire wall as specified in 19.03.903.2.10.4.1. ”

19.03.903.2.10.4.1 Fire walls may break a building into separate buildings for evaluation pursuant to Table 19.03.903.2.10.4, Maximum Areas, if such walls are constructed in accordance with all of the following:

1. Constructed in accordance with Section 503.2 Party walls;
2. Constructed of non-combustible material only; and
3. Constructed with no through penetrations by structural frame or roof members, or openings. Penetrations for other than structural frame or roof members shall comply with Section 712 of the International Building Code.

~~19.10.903.2.10.5 Automatic sprinkler systems; buildings over 24,000 square feet.~~

Add a new subsection as follows:

~~"903.2.10.5 Buildings over 24,000 square feet. When new construction, addition or remodeling creates a building not covered in IFC Sections 903.2.10.1 through 903.2.10.2 and CBJ Title 19 Sections 19.10.903.2.10.3 and 19.10.903.2.10.4 and where the total area under roof, regardless of fire walls, exceeds 24,000 square feet, an automatic sprinkler~~

~~system shall be installed throughout the building."
(Serial No. 2004-31, § 1, 10-11-2004; Serial No. 2006-19, § 20, 5-23-2006)~~

19.10.903.2.10.5 Automatic sprinkler systems; additions.

Add a new subsection as follows:

“903.2.10.5 Automatic sprinkler systems; additions. Except as provided in the Exceptions listed in this subsection, when additions create buildings in which the total area exceeds the specified area set forth in Table 19.03.903.2.10.4, Maximum Areas, an automatic sprinkler system shall be installed throughout the entire building.

Exceptions:

1. Additions with automatic sprinkler systems installed in accordance to 903.3.1 Standards;
2. Additions that comply with 19.03.903.2.10.4.1 shall be considered as separate buildings;
3. An addition connected by a passageway shall be considered a separate building if the addition and the existing building have independent walls, with no common or continuous combustible roof; the passageway is greater than 10 feet in length; is fully open on the top or at least one side; has a noncombustible roof; is no wider than 15 feet; and has no storage;
4. Additions in which the wall that abuts the existing building is constructed of a masonry wall consisting of either reinforced concrete not less than six inches in thickness, or reinforced concrete building units or filled blocks with a fire resistance rating of two hours and not less than six inches thick; or other masonry materials not less than eight inches in thickness. Openings between the addition and the existing building shall be protected by a three-hour fire door assembly;
5. Additions that are separated from the existing building with a one-hour fire resistive wall of non-combustible material and with one-hour fire resistive rated openings with automatic self closers shall have the area computed as follows for the automatic sprinkler system requirement in Table 19.03.903.2.10.4, Maximum Areas:
 1. If the area of the addition is smaller than the existing building, the automatic sprinkler system requirement shall be based upon 50 percent of the addition area plus 100 percent of the area of the existing building.

2. If the area of the addition is greater than the existing building, the automatic sprinkler system requirement shall be based upon 100 percent of the addition area and 50 percent of the area of the existing building.
3. If the existing building is separated into separate buildings with fire walls of non- combustible material or under legacy codes as an area separation wall of non- combustible material, only the largest portion of the existing building separated by such walls need be used as the area for the existing building for the summation with the area of the addition to calculate the total area for use with table 19.03.903.2.10.4, Maximum Areas.

If this portion of the existing building is greater than the addition then the total area shall be based upon 50 percent of addition area plus 100 percent of the existing building portion. If this portion of the existing building is smaller than the addition then the total area shall be based upon 100 percent of addition area and 50 percent of existing building portion.”

19.10.903.3.1.1.2 Automatic sprinkler systems; elevator hoistways and machine rooms.

Add the following subsection:

"903.3.1.1.2 Elevator Hoist Ways and Machine Rooms. When the provisions of this code require the installation of automatic sprinkler systems, the installation in elevator hoist ways and machine rooms must occur as described in NFPA 13-2007 Elevator Hoistways and Machine Rooms and adopted by reference and the American Society for Mechanical Engineers (A.S.M.E.) A17.1 Safety Code for Elevators and Escalators 2000 Edition and adopted by reference.

Exception:

Sprinklers are not required in an elevator machine room where all of the following occur:

- (1) separated from the remainder of the building in accordance with ASME A17.1 Safety Code for Elevators and IBC section 3006.4,
- (2) smoke or heat detection is provided in accordance with NFPA 72-2007,
- (3) notification of alarm activation is received at a constantly monitored location." (SFM)

19.10.903.3.7 Fire department connections.

Add the following at the end of the sentence:

"and equipped with an approved locking caps."

19.10.903.4.2 Automatic sprinkler systems; alarms.

In the first sentence, add "and visual strobe" after "audible".

19.10.903.6.2 Automatic sprinkler systems; existing buildings; educational occupancies.

Add a new subsection as follows:

"903.6.2 *Educational occupancies.* An approved automatic fire extinguishing system shall be installed in an E Occupancy in accordance with Section 903.2.2, as revised, whenever alterations, repairs or additions are made to an existing structure containing an E Occupancy." (SFM)

19.10.904.6 Alternative automatic fire-extinguishing systems; dry-chemical systems.

Add the following sentence to the end of the paragraph:

~~"Effective June 1, 2006, Dry-Chem commercial kitchen hood extinguishing systems shall be replaced with a UL-300 listed wet chemical system."~~

"Dry-chemical systems are not approved for use as a kitchen hood extinguishing system."

19.10.904.11.6.3 Alternative automatic fire-extinguishing systems; commercial cooking systems; operations and maintenance; cleaning.

Add the following at the end of the paragraph:

"Persons performing cleaning on grease removal hoods shall be trained on NFPA 96."

19.10.905.1 Standpipe systems; general.

Add a sentence as follows:

"Street level connections must be equipped with approved locking caps."

~~**19.10.905.3.7 Standpipe systems; required installations; marinas and boat yards.**~~

~~Add a new section as follows:~~

~~"19.10.905.3.7 Marinas and boat yards. Marinas and boatyards shall be equipped throughout with standpipe systems in accordance with NFPA 303."~~

19.10.906.1 Portable fire extinguishers; where required.

Delete exception in item 1. (SFM)

19.10.907.1.1 Fire alarm and fire detection systems; construction documents.

Revise by adding the following additional required construction documents for plan review:

"12. System riser diagrams." (SFM)

19.10.907.1.3 Fire alarm and fire detection systems; licenses.

Add a new subsection as follows:

"907.1.3 Licenses. All work on fire alarm and fire detection systems is to be done by a person licensed by the State of Alaska, Department of Public Safety, for the work being performed."

19.10.907.2.3 Fire alarm and fire detection systems; Group E.

Add a second paragraph as follows:

"Rooms used for sleeping or napping purposes within a day care use of a Group E occupancy must be provided with smoke alarms that comply with the requirements of section 907.2.10.1.2." (SFM)

And delete exception 1. (SFM)

19.10.907.2.10 Fire alarm and fire detection systems; single- and multiple-station smoke alarms.

Add a second paragraph as follows:

"When a plan review is required for an existing Group R Occupancy, smoke alarms shall be installed as described in Section 907.2.10.1." (SFM)

19.10.907.2.10.1.2 Fire alarm and detection systems; single- and multiple-station smoke alarms; where required; Groups R-2, R-3, R-4 and I-1.

In item 2. after "In each room used for sleeping purposes", add the following:

"or other habitable room over 70 square feet and not used for cooking, eating or living room uses.

19.10.907.17 Fire alarm and detection systems; acceptance tests.

Add a new sentence as follows:

"A copy of the acceptance test certificate must be forwarded to the Fire Chief by the firm

conducting the test within 30 days of the completion of the installation." (SFM)

19.10.909.18 Smoke control systems; acceptance testing.

Add a new sentence as follows:

"A copy of the acceptance test certificate must be forwarded to the Fire Chief by the firm conducting the test within 30 days of the completion of the installation." (SFM)

19.10.1002.1 Definitions. of "~~private stairway.~~"

Add the following definition:

"STAIRWAYS, PRIVATE" are stairways within commercial occupancies serving one tenant only and not used by the public."

19.10.1007.6 Areas of refuge.

Add the following sentence:

"Fire department hose connections and valves shall not be located in areas of refuge."

19.10.1008.1.4 Floor elevation.

Add the following exception:

"6. Landings are not required at doors serving non-habitable building equipment rooms and spaces."

~~19.10.1008.1.9 Doors; panic and fire exit hardware.~~

~~Change the number "100" in the second paragraph to "50". (SFM)~~

19.10.1009.0 Stairways; scope.

Add a new subsection as follows:

"1009.0 Scope. Stairs and ladders used only to attend equipment, to access non-habitable spaces or in window wells are exempt from the requirements of this section." (SFM, partial)

19.10.1009.1 Stairway width.

Add the following exception:

"5. Private Stairways, as defined in ~~IFC 1002.1~~ **19.10.1002.1**, may be 32 inches wide."

19.10.1009.3 Stairways; stair treads and risers.

~~Delete Exception 5 and~~ add the following:

"~~56.~~ Private Stairways, as defined in ~~19.03.1002~~ 19.10.1002.1, shall have stair riser heights of 8 inches maximum and stair tread depths of 9 inches minimum."

19.10.1009.4 Stairway landings.

Add the following exception:

"3. Landings are not required at the top or bottom of stairways accessing non-habitable building equipment rooms."

19.10.1009.5.2 Stairway construction; outdoor conditions.

Insert “, snow or ice” after the word “water”. (SFM)

19.10.1009.109 Alternating tread devices.

Insert the following to the last line of the first paragraph between the words "in area" and the words "and for access to unoccupied roofs."

“; in buildings covered by the IRC and Group R-3 sleeping and other lofts or similar separate spaces of not over 250 square feet and not containing ~~primary kitchens~~ or ~~bathrooms~~”

19.10.1010.7.2 Ramp construction; outdoor conditions.

Insert “, snow or ice” after the word “water”. (SFM)

19.10.1013.3 Guards; opening limitations.

Delete exception 5. (SFM)

~~19.10.1018.1 Exits~~ 19.10.1019.1 Number of exits and continuity; minimum number of exits.

Add an exception as follows:

"*Exception:* Basements or the first level below the first story in all occupancies except Group R-3, used exclusively for the service of the building, may have access to only one exit. Any other use of the basement or first level below the first story must have at least two exits arranged in accordance with Section ~~1014.2~~ 1015.2. For purposes of this exception, storage rooms, laundry rooms, maintenance offices, and similar uses may not be considered as providing service to the building." (SFM)

19.10.1025 1026.1 Emergency escape and rescue; general.

In the second sentence after "...sleeping rooms...", add the following:

"or other habitable room over 70 square feet and not used for cooking, eating or living room uses".

And delete exceptions 1, 2, 3, 4 and 7. (SFM, partial)

19.10.10256.6 Replacement emergency escape and rescue windows.

Add a new subsection and new exceptions as follows:

"10256.6 *Replacement emergency escape and rescue windows.* Replacement windows for emergency escape and rescue shall meet full egress dimensions per IFC Sections 10256.1 through 10256.3 where rough openings allow.

Exceptions:

1. Where the existing rough opening does not allow for full emergency escape and rescue per IFC Sections 10256.1 through 10256.3, replacement windows shall have a minimum opening of 20 inches clear width, 22 inches clear minimum height, 4.0 square feet minimum of net opening and a finished sill height of not more than 48 inches to a permanent walkable surface. If the existing rough opening cannot accommodate these dimensions, the rough opening shall be enlarged or a new opening created to allow installation of a full emergency escape and rescue window per IFC Sections 10256.1 through 10256.3.
2. Where the rough opening is not required to be enlarged to meet the minimum clear width, height or area then the finished sill height restriction may be met with the installation of one or more permanently affixed steps. These steps shall extend the full width of the window and meet the current codes rise/run requirements so the top step is no greater than 44 inches to the top of the sill."

19.10.1102.1 Aviation facilities; definitions.

The first sentence of the definition of "Airport" is revised to delete the words "with an overall length greater than 39 feet (11887 mm) and an overall exterior fuselage width greater than 6.6 feet (2012 mm)". (SFM)

19.10.1103.5 Aviation facilities; dispensing of flammable and combustible liquids.

Delete the last sentence and add the following:

"Aircraft motor vehicle fuel-dispensing stations shall be in accordance with IFC Chapter

22 and NFPA 407 (2007 Edition), and adopted by reference." (SFM)

19.10.1106.1 Aircraft motor vehicle fuel-dispensing stations.

Delete IFC Section 1106.1, and add the following:

"1106.1 Aircraft motor vehicle fuel-dispensing stations. Aircraft motor vehicle fuel-dispensing stations shall be in accordance with IFC Chapter 22 and NFPA 407 (2007 Edition), and adopted by reference." (SFM)

19.10.2211.2.3 Repair garages; drainage and disposal of liquids and oil-soaked waste.

Add a sentence to end of the first paragraph to read:

"Where oil separators or traps are provided, neither the oil nor the water phase may drain to septic systems, dry wells or other means of underground discharge." (SFM)

19.10.2301.2 High-piled combustible storage; permits.

Delete IFC Section 2301.2 and replace with the following:

"A permit shall be required as set forth in 19.01.108.15.1."

19.10.2701.5 Hazardous materials - general provisions; permits.

Add a new paragraph at the end of the subsection as follows:

"For purposes of storage and transport of hazardous materials at, through or near marine facilities, NFPA 307-1995, Standard for the Construction and Fire Protection of Marine Terminals, Piers and Wharves, shall apply."

~~**19.10.3301.1 Explosives and fireworks; scope.**~~

~~Add a new subsection as follows:~~

~~"3301.1.6 Transportation. Explosive materials must be transported in accordance with DOT 49 CFR Parts 100-185. The delivery of fireworks to locations within this state is prohibited unless suppliers and receivers have currently valid licenses or permits from the state fire marshal and operates in a manner consistent with AS 18.72 and this chapter." (SFM)~~

19.10.3301.1.3 Explosives and fireworks; general; fireworks.

Add the following sentence:

“The storage, use, and handling of fireworks are prohibited except as allowed in this section and AS 18.72.” (SFM)

and delete exception 4.

19.10.3301.1.6 Explosives and fireworks; scope; transportation.

Add a new subsection as follows:

"3301.1.6 Transportation. Explosive materials must be transported in accordance with 49 CFR Parts 100-185, revised as of October 1, 2002. No person may conduct a fireworks display or possess, transport or test dangerous fireworks for such a display, unless the person holds a valid permit or license from the State Fire Marshal, and the activity is conducted in accordance with AS 18.72 and this chapter." (SFM)

19.10.3301.2 Explosives and fireworks; permit required.

Delete subsections 3301.2.4, Financial responsibility and 3301.2.4.2, Fireworks display. (SFM)

19.10.3302.1 Definitions; Fireworks; fireworks 1.4G.

Delete the word “not” from the last sentence.

19.10.3308.2 Firework displays; permit application.

Delete and add the following:

"Permit application. A license or permit must be obtained from the State Fire Marshal's office to conduct fireworks activities as described in Section 105.6 of the IFC including:

- (1) a Wholesaler's License, as described in AS 18.72, to sell, or possess ~~or transport~~ for sale, 1.4G or 1.3G ~~salable or dangerous~~ fireworks at wholesale;
- (2) a Retailer's Permit, as described in AS 18.72, for each location where the applicant intends to sell, or possess ~~or transport~~ for sale, 1.4G ~~salable~~ fireworks at retail;
- (3) a Pyrotechnic Operator's Permit to conduct a fireworks display or non-routine testing of 1.3G ~~dangerous~~ fireworks, or to possess ~~or transport~~ fireworks for display or non-routine testing of 1.3G ~~dangerous~~ fireworks;
- (4) a Fireworks Event Permit for each event involving public or private display of any amount of 1.3G ~~dangerous~~ fireworks or 250 gross pounds (113.4 kg) of salable fireworks; or

(5) an Annual Permit for routine testing of 1.3G ~~dangerous~~ fireworks.

A permit under (5) of this subsection may be obtained from the State Fire Marshal's office or, on a form approved by the State Fire Marshal, from the fire chief.

An applicant for a Fireworks Event Permit under item (4) of this subsection or for testing under item (5) of this subsection must hold a valid Pyrotechnic Operator's Permit under item (3) of this subsection." (SFM, partial)

19.10.3308.2.3 Fireworks display; permit application; delivery of fireworks.

Add a new subsection as follows:

"3308.2.3. *Delivery of fireworks.* The delivery of fireworks to locations within this jurisdiction is prohibited unless the vendor first obtains a license or permit from the state fire marshal and operates in a manner consistent with AS 18.72 and this section."

19.10.3308.6.1 Fireworks display; installation of mortars; mortar construction.

Add a new subsection to read:

"3308.6.1 *Mortar construction.* Mortars must be constructed of ~~heavy cardboard~~, paper, high density plastic pipe, or metal other than cast iron." (SFM)

19.10.3308.11 Fireworks display; retail display and sale.

Delete IFC Section 3308.11.

19.10.3401.4 Flammable and combustible liquids; permits.

Delete subsection 3401.4, Permits.

~~**19.10.3403.5.1 Flammable and combustible liquids; labeling and signage; style.**~~

~~Delete the second sentence and add the following:~~

~~"Signs warning of the hazard of flammable liquids shall have either white lettering on a red background or red lettering on a white background, and shall read: DANGER-FLAMMABLE LIQUIDS." (SFM)~~

19.10.3404.2.10 Flammable and combustible liquids; storage; drainage and diking.

Add the following sentence to the end of the paragraph:

"Dikes shall be constructed as per NFPA Standard 30, Section 2-3.4.3"

19.10.3404.2.13.1.4 Flammable and combustible liquids; tanks abandoned in place.

Delete item 5;

And delete the exception to item 3;

And add the following to the end of item 3:

"such as sand or concrete."

~~19.10.3404.2.14.1 Flammable and combustible liquids; storage; removal.~~

~~Add a new item 6 as follows:~~

~~"6. The internal tank environment shall be monitored by a combustible gas detector during the removal of the tank."~~

19.10. 3404.3.5.1 Flammable and combustible liquids; storage; basement storage.

Delete IFC Section 3404.3.5.1 in its entirety.

19.10.3501.3 Flammable gases; general; plan review.

Add a new subsection to read:

"3501.3 *Plan Review*. Where a single container or the aggregate capacity of all containers at a site is over 500-gallon (1892.7 L) water capacity, the installer shall submit plans for review before installation in accordance with 13 AAC 50.027." (SFM)

19.10.3801.2 Liquefied petroleum gases; permits.

Delete IFC subsection 3801.2 in its entirety.

19.10.Chapter 45 Referenced standards; NFPA.

In IFC Chapter 45, NFPA, add the following standards to those listed and delete listings for other years editions of the same standards:

NFPA 10-~~2002~~ **2007**, 12-2000, 12A-1997, 13-~~2002~~ **2007**, 13D-~~2002~~ **2007**, 13R-~~2002~~ **2007**, 14-~~2003~~ **2007**, **20-2007**, 36-2001, 37-2002, 53-1999, 59-2001, 72-~~2002~~ **2007**, 75-1999, 77-2000, 79-1997, 86C-1999, 86D-1999, **96-2008**, 99B-2002, 262-1999, 312-2000, 410-1999, 415-1997, 423-1999, ~~750-2003~~ **720-2006**. (SFM partial)

19.10.Appendix A Board of appeals.

IFC Appendix A, Board of Appeals, is not adopted.

19.10.Appendix B Fire-flow requirements for buildings.

IFC Appendix B, Fire-Flow Requirements for Buildings, is adopted as a part of this code.

19.10.Appendix C Fire hydrant locations and distribution.

IFC Appendix C, Fire Hydrant Locations and Distribution, is adopted as a part of this code.

19.10.Appendix D Fire apparatus access roads.

IFC Appendix D, Fire Apparatus Access Roads, is adopted as a part of this code. Add footnote “a” to apply to Table D103.4 Title as follows:

“a. Turnaround options in 2003 IFC Appendix D, Figure D103.1 may be used if approved by fire chief.”

19.10.Appendix E Hazardous categories.

IFC Appendix E, Hazardous Categories, is adopted as a part of this code.

19.10.Appendix F Hazard ranking.

IFC Appendix F, Hazard Ranking, is adopted as a part of this code.

19.10.Appendix G Cryogenic fluids - weight and volume equivalents.

IFC Appendix G, Cryogenic Fluids - Weight and Volume Equivalents, is adopted as a part of this code.