



FLAGSTAFF FIRE DEPARTMENT

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Significant Changes between the 2006 and 2012 Codes as well as the City of Flagstaff Adopted Amendments

Fire Prevention's goal through this 6 month process has been to:

- Simplify our amendments
- Make our amendments more user and customer friendly with regard to understanding and life safety specific information and regulations.
- Clean up deficiencies and ambiguities in the old document by way of removing sections that were no longer needed due to changes in the new Code
- Add language specifically applicable to the community we live in
- Only recommend amendments unique to our community while attempting to standardize requirements, as much as possible, with the building department that will make it easier for the general public and the building trades to work in this area, without compromising life safety.
- Come up with a product that would be understandable, enforceable, and life safety oriented while taking into consideration our customers' needs
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Purpose for the adoption of the 2012 Code

- Present code is 6 years old 2 code cycles (Best practices encourage 6 year code cycles as a maximum)
- Alignment with Building Department (They are working out of the 2012 models codes)
- New code addresses new technology in the construction industry
- SFMO- Moved to the 2012 IFC, this will be a minimum requirement at the state level (NAU's Jurisdiction)
- Our present I SO Rating based on code updates every 6 years

The attached document depicts what code sections have been amended.

This currently is a draft and is subject to change at the discretion of the Building and Fire Board of Appeals or the Fire Department based on feedback prior to submission for approval.

Section Specific Recommended Amendments to the 2012 International Fire Code

Chapter 1- Scope and Administration

- No significant changes to previous amendments recommended
- New amendment recommendation to include adopting all applicable reference codes and standards in Chapter 80 of the IFC.
- Recommendation – we are presently looking into modifying the existing Fee Schedule to make it more beneficial to our customers and the city.

Chapter 2- Definitions

- Clarification of a detached building
- Recommendation to add a new definition; “Sky Lantern”. Sky Lanterns have gained popularity, and demonstrated to be problematic.

Chapter 3- General Requirements

- Recommendation to prohibit the aforementioned “Sky Lantern”(s).

Chapter 4- Emergency Planning and Preparedness

- No recommended amendments

Chapter 5- Fire Service Features

- New amendments to reflect existing Fire Department amendments with regard to consistency with other IFC chapter, definitive terminology, and to accommodate the local equipment that will be used in emergency responses.
 - Note- this includes items such as turning radius specific to the apparatus that the fire department currently responds with as well as road and driveway grades.
 - Subject to A.R.S. 9-808 “*Fire apparatus road or approved route; one or two family residences; utility or miscellaneous accessory buildings or structure definitions*”, that the 2012 Code cannot be amended with regard to the current adopted code without the possibility of negating its requirements
- Recommendation to define the dimensions of addressing numbers and letters for visibility to responding emergency units. Sizes can change depending on the distance, location, or visibility of the numbers or letters with regard to the building distance from the approach route of emergency response units.

Chapter 6- Building Services and Systems

- Recommendation based on 2012 model code that includes detection and alarms systems in areas where refrigerant mechanical equipment is located –Specifically and convenience stores and restaurants. amendments

Chapter 7- Fire Resistance-Rated Construction

- No recommended amendments

Chapter 8- Interior Finish, Decorative Materials and Furnishings

- No recommended amendments

Chapter 9- Fire Protection Systems

- Recommendation to clarify the wording of the current Code language to make it more clear and consistent with the 2012 IFC. The majority of the changes to this section are to reflect the need to carry forward our current amendments and formatting to the new Code. None of the reflected changes are any more restrictive than the existing Code and amendments.
 - Note
 - The 2012 IFC specifically addresses sprinkler system requirements in each occupancy classification. Amendments to each classification center on local previous code amendments to require a sprinkler system in all commercial occupancies when square footage is over 5000 Square feet or 3 stores in height.
- Recommendation to require that records of Fire Protection Systems inspection, tests, and maintenance, revealing significant deficiencies, be forwarded, by hard copy, to the Fire Department within 30 business days.
- Recommendation to delete Section 905.3.4.1 “Hose and Cabinets” in its entirety.
 - Note: the reason for this deletion is that we do not want the general public to attempt to use a fire hose to suppress a fire and we cannot regulate the continued maintenance and testing of private fire hose to assure its functionality for our use. We will however continue to require, per the Code, installation of standpipes that we can connect Fire Department hose to as needed.

Chapter 56- Explosives and Fireworks

- A.R.S. 36-3601 “Relating to Fireworks ”, The city has adopted ordinance 5-02-002-0001 to comply with new Arizona Revised Statutes requirements

With regard to subsequent Chapters:

- The 2012 International Fire Code has significantly changed with regard to comprehensiveness and clarity; therefore, the need to amend Chapters past Chapter 9 has not been found to be necessary during this code cycle.
- Recommendation based on our community's special events calendar and frequency to include the addition of a Special Events Chapter into Flagstaff's IFC which would be Chapter 12

Appendices to the 2012 Fire Code

Note:

Per the Fire Code language- "Provisions contained in the appendices are not mandatory unless specifically referenced in the adopting ordinance. "

Appendix "A"- Board of Appeals

- Recommend to delete in its entirety

Appendix "B"- Fire Flow Requirements for Buildings

- Recommend to adopt in its entirety.

Appendix "C"- Fire Hydrant Locations and Distribution

- Recommend to adopt in its entirety.

Appendix "D"- Fire Apparatus Access Roads

- Recommend to adopt in its entirety to be consistent with aforementioned Fire Service Features- (Chapter 5)

Appendix "E"- Hazard Categories

- Not recommended for adoption as it is for information purposes only and not intended for adoption.

Appendix "F"- Hazard Ranking

- Not recommend to adopt in its entirety.

Appendix "G"- Cryogenic Fuels- Weight and Volume

- Not recommended for adoption as it is for information purposes only and not intended for adoption.

Appendix "H"- Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement Instructions (HMIS)

- Recommend to adopt in its entirety.

Appendix "I"- Fire Protection Systems- Noncompliant Conditions

- Recommend to adopt in its entirety.

Appendix "J"- Building Information Sign

- Not recommended for adoption as a valuable tool for our jurisdiction.