

2024 WILDLAND-URBAN INTERFACE AMENDMENTS TO THE 2024 INTERNATIONAL WILDLAND-URBAN INTERFACE CODE

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Preface

This document comprises proposed amendments to the 2024 Edition of the *International Wildland-Urban Interface Code* as published by the International Code Council, Inc, amended by the Authorities Having Jurisdiction. This document is hereafter referenced as the 2024 Wildland-Urban Interface Amendments and is prepared to be adopted by local authorities having jurisdiction. These provisions are not considered to be or enacted as the code unless the provisions are adopted and codified by the local Authority Having Jurisdiction.

Notes:

- Deleted language in the base code has been ~~stricken through~~.
- Added language to the code section has been underlined.
- The entire section amended has been shown for context

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2024 Wildland-Urban Interface Code Amendments

Section 101.2.1 Appendices

- Appendix A in its entirety
- Appendix B in its entirety and as amended
- Appendix C in its entirety

Section 112 is deleted

Section 302.3 Review of wildland-urban interface areas.

Section 302.3 is amended to read:

302.3 Review of wildland-urban interface areas. The code official shall reevaluate and recommend modification to the *wildland-urban interface areas* in accordance with Section 302.1 ~~on a 3-year basis or more frequently as deemed necessary by the legislative body,~~ as deemed necessary by the code official.

Section 404.5 Adequate water supply

Section 404.5 is amended to read:

404.5 Adequate water supply. Adequate water supply shall be determined for purposes of initial attack and flame front control as follows:

1. One- and two-family dwellings. The required water supply for one- and two-family dwellings having a *fire flow calculation area* that does not exceed 3,600 square feet (334 m²) shall be 1,000 gallons per minute (63.1 L/s) for a minimum duration of 30 minutes. The required water supply for one- and two-family dwellings having a *fire flow calculation area* in excess of 3,600 square feet (334 m²) shall be 1,500 gallons per minute (95 L/s) for a minimum duration of 30 minutes.
Exception: A reduction in required flow rate of 50 percent, as *approved* by the *code official*, is allowed where the building is provided with an approved automatic sprinkler system.
2. Buildings other than one- and two-family dwellings. The water supply required for buildings other than one- and two-family dwellings shall be as *approved* by the *code official* but shall not be less than 1,500 gallons per minute (95 L/s) for a duration of 2 hours.
Exception: A reduction in required flow rate of up to ~~75~~ 50 percent, as approved by the *code official*, is allowed where the building is provided with an approved automatic sprinkler system. The resulting water supply shall not be less than 1,500 gallons per minute (94.6 L/s).

Section 501.2 Objective

Section 501.2 is amended to read:

501.2 Objective. The objective of this chapter is to establish minimum standards to locate, design and construct buildings and structures or portions thereof for the protection of life and property, to resist damage from wildfires, and to mitigate building and structure fires from spreading to wildland fuels. The minimum standards set forth in this chapter vary with the critical *fire weather*, slope and fuel type to provide increased protection, above the requirements set forth in the *International Building Code* and the *International Residential Code*, from the various levels of hazards.

Section 502.1 General

Section 502.1 is amended to read:

502.1 General. The fire hazard severity of building sites for all buildings hereafter constructed, modified or relocated into *wildland-urban interface areas* shall be established in accordance with Table 502.1 or Appendix C or the map developed by the Authority Having Jurisdiction as determined by the *code official*. See also Appendix C.

Table 503.1 Ignition-Resistant Construction

Table 503.1 is amended to read as follows:

Table 503.1

IGNITION-RESISTANT CONSTRUCTION ^a

DEFENSIBLE SPACE ^c	FIRE HAZARD SEVERITY					
	Moderate Hazard		High Hazard		Extreme Hazard	
	Water supply ^b		Water supply ^b		Water supply ^b	
	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e	Conforming ^d	Nonconforming ^e
Nonconforming	IR 2	IR 1	IR 1	IR 1 N.C.	IR 1 N.C.	Not Permitted
Conforming	IR 3	IR 2	IR 2	IR 1	IR 1	IR 1 N.C.
1.5 x Conforming ^f	Not Required	IR 3	IR 3	IR 2	IR 2	IR 1

- a. Access shall be in accordance with Section 403.
- b. Subdivisions shall have a conforming water supply in accordance with Section 402.1.
 IR 1= Ignition-resistant construction in accordance with Section 504.
 IR 2= Ignition-resistant construction in accordance with Section 505.
 IR 3= Ignition-resistant construction in accordance with Section 506.
 N.C.= Exterior walls shall have a fire-resistance rating of not less than 1 hour and the exterior surfaces of such walls shall be noncombustible. Usage of log wall construction is allowed.
- c. Conformance based on Section 603.

- d. Conformance based on Section 404.
- e. A nonconforming water supply is any water system or source that does not comply with Section 404, including situations where there is not water supply for structure protection or fire suppression.
- f. Only with the approval of the fire code official.

Section 505.2 Roof assembly

Section 505.2 is amended to read:

505.2 Roof Assembly. Roofs shall have a *roof assembly* that complies with not less than a Class A rating when tested in accordance with ASTM E108 or UL 790, ~~or an approved noncombustible roof covering.~~ For roof assemblies where the profile allows a space between the *roof covering* and *roof deck*, the space at the eave ends shall be firestopped to preclude entry of flames or embers, or have one layer of cap sheet complying with ASTM D3909 installed over the combustible *roof deck*.

Section 602.1 is deleted

Section 603.2 Fuel modification

Section 603.2 is amended to read:

603.2 Fuel modification. Buildings or structures, constructed in compliance with the conforming *defensible space* category of Table 503.1, shall comply with the *fuel modification* distances contained in Table 603.2. ~~For all other purposes properties that cannot meet the required conforming distances contained in Table 603.2, the *fuel modification* distance shall be not less than 30 feet (9144mm) or to the lot line, whichever is less. Where properties have less distance to the lot line than is required by Table 603.2, the property shall be classified as having nonconforming defensible space in accordance with Table 503.1.~~ Distances specified in Table 603.2 shall be measured on a horizontal plane from the perimeter or projection of the building or structure as shown in Figure 603.2. Distances specified in Table 603.2 are allowed to be increased by the *code official* because of a site-specific analysis based on local conditions and the *fire protection plan*.

603.2.2 Trees

Section 603.2.2 is amended to read:

603.2.2 Trees. Trees are allowed within the *defensible space*, provided the horizontal distance between crowns of adjacent trees and crowns of trees and structures, overhead electrical facilities or unmodified fuel is not less than 10 feet (3048 mm) or an acceptable distance as determined by the *code official*.

Section 603.2.4 is added to Section 603.2 to read:

603.2.4 Non-combustible area. The area extending from the base of any structure to 5 feet beyond the base of such structure shall be composed entirely of non-combustible material or fire resistive vegetation as approved by the *code official*.

Section 604.4 Trees

Section 604.4 is amended to read:

604.4 Trees. Tree crowns extending to within 10 feet (3048 mm) of any structure shall be pruned to maintain a minimum ~~horizontal~~ clearance of 10 feet (3048 mm) or an acceptable distance as determined by the code official. Tree crowns within the *defensible space* shall be pruned to remove limbs located less than ~~6 10 feet (1829 3048~~ mm) above the ground surface adjacent to the trees or an acceptable distance as determined by the code official.

Section 604.4.1 Chimney clearance

Section 604.4.1 is amended to read:

604.4.1 Chimney clearance. Portions of tree crowns that extend to within 10 feet (3048 mm) of the outlet of a chimney shall be pruned to maintain a minimum ~~horizontal~~ clearance of 10 feet (3048 mm).

604.5 Non-combustible area

Section 604.5 is added to Section 604 to read:

604.5 Non-combustible area. The area extending from the base of any structure to 5 feet beyond the base of such structure shall be composed entirely of non-combustible material or fire resistive vegetation as approved by the code official.

Section 607.1 General

Section 607.1 is amended to read:

607.1 General. Firewood and combustible material shall not be stored in unenclosed spaces beneath buildings or structures, or on decks or under eaves, canopies or other projections or overhangs. When required by the *code official*, storage of firewood and combustible material stored in the *defensible space* shall be located not less than ~~20-30 feet (6096 9144~~ mm) from structures and separated from the crown of trees by a horizontal distance of not less than 15 feet (4572 mm).

Exception. Approved fire-resistance-rated coverings used in accordance with their listing and as approved and allowed by the Fire Code Official.

Appendix Section B101.1 Scope

Section B101.1 is amended to read:

B101.1 Scope. Where required, vegetation management plans shall be submitted to the *code official* and the State Forester Firewarden for review and approval as part of the plans required for a permit.

Appendix Section B101.2 Plan content

Section B101.2 is amended and added to read:

B101.2 Plan content. Vegetation management plans shall describe all actions that will be taken to prevent a fire from being carried toward or away from the building. A vegetation management plan shall include the following information:

1. A copy of the site vegetation management plan.

2. Methods and timetables for controlling, changing or modifying areas on the property. Elements of the plan shall include removal of slash, snags, vegetation that may grow into overhead electrical lines, other ground fuels, ladder fuels and dead trees, and the thinning of live trees.
3. A plan for maintaining the proposed fuel-reduction measures.
4. Current and proposed structures.
5. Existing trees and other vegetation, including brush fields.
6. Property boundaries.
7. Roads, driveways, and fire department access.
8. Special requirements as requested by the AHJ.