

# APPENDIX R: HOME IGNITION ZONE STRUCTURE ASSESSMENT GUIDE



## Home Ignition Zone Structure Assessment Guide

Based on applicable standards of NFPA 1144, Chapter 4 and Annex A

Name of Assessor: \_\_\_\_\_

Date of Assessment:	Property Address:	Resident Name:	Property Owner:
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Assessment Area	Mitigation Recommendations	Implementation time
<p><b>Overview of the Surrounding Environment:</b></p> <p>Document the location of the structure in relation to predominant topographical features, such as flat open areas, ridges, saddles, steep slopes, natural chimneys like steep narrow draws, or small canyons that will increase the ignition potential of the structure.</p>		
<p>Document local weather conditions, including wind, relative humidity, temperature, and fine fuel moisture content.</p>		
<p>Document nearby structures using the same criteria as the primary structure and any neighboring properties that could impact the ignition zone of the property being assessed.</p>		
<p>Document the structure's location on the slope relative to the structure's potential exposure to heat from a wildland fire.</p>		
<p><b>From Chimney to Eaves:</b></p> <p>Document the type, construction and condition of:</p> <ul style="list-style-type: none"> <li>• roofing materials and assemblies,</li> <li>• all skylights,</li> <li>• the potential of roof gutters and areas where exterior walls meet roof or deck surfaces to collect litter on surfaces or in crevices,</li> <li>• the construction materials of gutters, downspouts, and connectors, and</li> <li>• the materials and construction used in eaves and roof overhangs</li> </ul>		

<p><b>From Top of Exterior Wall to Foundation.</b></p> <p>Document the materials and construction used in:</p> <ul style="list-style-type: none"> <li>• exterior walls and exterior siding,</li> <li>• materials used for gutter downspouts and connectors on exterior walls,</li> <li>• the materials used in windows and other openings in vertical surfaces,</li> <li>• the location, size, and screening of ventilation openings, and</li> <li>• all attached accessory structures as part of the primary structure.</li> <li>• Identify areas next to or under a structure where combustible materials that present a source of flame exposure to the structure might collect.</li> </ul>		
<p><b>From Foundation to the Immediate Landscaped Area.</b></p> <p>Document all vegetative fuels and other combustible materials adjacent to and within 30 ft (9 m) of the structure for:</p> <ul style="list-style-type: none"> <li>• their potential to contribute to the intensity and spread of wildland fire,</li> <li>• the presence and location of all heat and flame sources, detached structures, vehicle parking areas, and</li> <li>• all projections attached to the primary structure that might be ignited by flames, radiant heat, or firebrands from wildland fires.</li> </ul>		
<p><b>From the Immediate Landscaped Area to the Extent of the Structure Ignition Zone.</b></p> <p>Document vegetation within the area between the outer edge of the immediate landscaped area and the extent of the structure ignition zone as potential fuel that can convey the fire to the structure.</p>		
<p>Document within the area between the outer edge of the immediate landscaped area and the extent of the structure ignition zone:</p> <ul style="list-style-type: none"> <li>• the species and location of trees and the separation of tree crowns,</li> <li>• the presence and location of all heat and flame sources,</li> <li>• detached structures, vehicle parking areas and all other factors that can affect the risk of ignition or the spread of wildland fire on improved property that might be ignited by flames, radiant heat, or firebrands from wildland fires,</li> <li>• all projections attached to the primary structure that extend beyond the immediate landscaped area.</li> </ul>		

**Other Mitigating Factors:**

- Are there other mitigating factors on the property noted by the assessor not otherwise covered in this Assessment Guide?