



# FIREScope GIS Specialist Group



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FIREScope Task Force  
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## ISSUE PAPER

**ISSUE:** The FIREScope GIS Specialist Group (SG) recognizes that there is a need for a standardized symbology set for incident related damage inspection maps.

**BACKGROUND:** If a large number of homes are damaged or destroyed for all hazard incidences, a damage inspection team is often deployed to the field to find and count the affected homes. Maps and a report are completed based on the field findings. The damage inspection maps show locations of damaged and destroyed structure locations. There are currently no standards for map symbology for these types of maps, so a variety of symbols have been used over the years, which can become confusing.

### RECOMMENDATION:

Adopt a standard set of symbology that identifies basic structure categories by symbol shape and their level of damage by color. The basic categories of structure type are Residence, Commercial, and Outbuilding. These three categories are the basic structure reporting categories used on the ICS209 National Incident Management System (NIMS) standard form during incidents. The standard colors will be red for Destroyed, yellow for Damaged and 50% gray for No Damage. The Damaged and Destroyed symbols have black outlines, while the No Damage has no outlines. See the legend below. If other types of structures are recorded on the incident that do not fit within these three categories, then an appropriate existing symbol can be selected for that structure, and colored using the standard colors recommended above based on its level of damage. For example, a destroyed bridge can be represented with the ESRI bridge symbol in red.

## Damage Inspection

### TYPE, Damage

 Residence, Destroyed	 Commercial, Destroyed	 Outbuilding, Destroyed
 Residence, Damaged	 Commercial, Damaged	 Outbuilding, Damaged
 Residence, No Damage	 Commercial, No Damage	 Outbuilding, No Damage

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