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INCITS 415-2006[R2012]

American National Standard

ANSI INCITS 415-2006

for Information Technology –

*Homeland Security Mapping Standard –
Point Symbolology for
Emergency Management*

Developed by



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INCITS 415

American National Standard
for Information Technology –

**Homeland Security Mapping Standard –
Point Symbolology for
Emergency Management**

Secretariat

Information Technology Industry Council

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American National Standards Institute, Inc.

American National Standard

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Foreword (This foreword is not part of American National Standard ANSI INCITS 415-2006.)

This document establishes a map symbol standard for emergency management. This standard provides the foundation for consistent communication through a readily acceptable set of cartographic symbols relevant to homeland security objectives, including:

- reducing loss of life and property by strengthening nationwide response readiness;
- minimizing disruptions to governmental operations, critical cyber and physical infrastructures, and socioeconomic sectors;
- improving communications;
- strengthening national recovery plans and capabilities;
- promoting E-Government modernization and interoperability initiatives;
- strengthening nationwide preparedness and mitigation against acts of terrorism, natural disasters, or other emergencies; and
- providing scalable and robust all-hazard response capability and recovery assistance.

Federal, state, and local agencies worked together under the auspices of the Federal Geographic Data Committee's (FGDC) Homeland Security Working Group, to develop the proposed symbology. Symbols and their definitions have been developed for Incidents, Natural Events, Operations, and Infrastructures to provide immediate and general understanding of the situation. Development of the symbols involved the research, compilation, analysis, consolidation, adaptation, and creation of symbols.

While these symbols do not include all emergency management features, they provide an initial framework for emergency management and first responder mapping and communication. Detailed attribution for any feature can be included by the user. Both a category structure and a damage-operational status hierarchy were developed using color and frame shapes with line patterns. The symbology was designed for use in digital and paper map formats.

This standard contains three annexes. Annexes A and B are normative and are considered part of the standard. Annex C is informative and is not considered part of the standard.

Requests for interpretation, suggestions for improvement or addenda, or defect reports are welcome. They should be sent to InterNational Committee for Information Technology Standards (INCITS), ITI, 1250 Eye Street, NW, Suite 200, Washington, DC 20005.

This standard was processed and approved for submittal to ANSI by INCITS. Committee approval of this standard does not necessarily imply that all committee members voted for its approval. At the time it approved this standard, INCITS had the following members:

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