

Session Abstracts

GIS to the Rescue: 3D, Indoor Mapping, and Federal Policy

Presented by Keri Brennan, GeoComm

Description: As 9-1-1 evolves into a truly next-generation system, the ability to locate callers indoors and in three dimensions is no longer optional—it's a lifesaving necessity. Federal policy is setting the stage: FCC Report and Order 24-78 reinforces requirements for dispatchable location and Z-axis accuracy, while legislation such as Alyssa's Law underscores the urgency of improving school safety through location intelligence. At the heart of these mandates is GIS, uniquely positioned to bridge the gap between regulatory compliance and operational reality. See how GIS is coming to the rescue and making impacts in PSAPS and School Districts today.

Keywords: *GIS, Indoors, 3D, Z-axis, School Safety*

The Creation of Texas' First Countywide Fire Department

Presented by Christine Fox, Denton County

Description: Following a death caused by inefficient EMS coverage, Denton County implemented the first countywide fire department in Texas. Using the Network Analyst extension with 4-, 6-, and 8-minute thresholds per NFPA standards, response zones were created. Esri Tasks automated repeatable response zone modeling. GeoEnrichment tools, combined with historical 911 call data, personnel capacity, and property values, informed the Fire Marshal's response zone contract negotiations. In October 2025, proximity-based dispatch was launched across 19 departments, unifying unincorporated areas with local jurisdictions.

Keywords: *Fire, Response, Tasks, Network Analysis, GeoEnrichment*