

# COURSE SYLLABUS

## BOUNDARY WORKSHOP - 4 HOURS

**Instructor:** Annie Cahill

**Course Description:** The Oklahoma NG9-1-1 Boundary Workshop is intended to educate NG9-1-1 / GIS data maintainers, with examples, on how to create and maintain the critical GIS boundaries that are essential for NG9-1-1 to function. While county boundaries, city limits, law enforcement jurisdictions, fire districts, and emergency responders service areas do contribute to defining these critical boundaries they are not the only items to consider. Physical or geographical boundaries along with a host of other considerations must be utilized in determining the exact placement of these boundaries for NG9-1-1. While some of these issues can be handled internally with a PSAP, issues that potentially modify a PSAP's external boundary with a neighboring PSAP will require participation by the State of Oklahoma 9-1-1 Management Authority to implement. This NG9-1-1 Boundary Workshop will discuss these considerations as well as the recommended steps that will be required to resolve boundary disputes both internally and externally for a PSAP.

### Module 1: Introduction to Boundaries - 1 hour

- What is a boundary?
  - Political boundaries
  - Public safety boundaries
    - ESN/ESZ
    - PSAP
    - Discrepancy Agency Boundary
    - ESBs (NG9-1-1)
  - Legacy 9-1-1 and the role of boundaries
  - NG9-1-1 and the role of boundaries
- The State's role in managing NG9-1-1 boundary data
- The Local's role in managing NG9-1-1 and legacy boundary data
  - Order in correcting public safety boundaries on a local level

### Module 2: Assessing Boundaries - 1.5 hours

- Review the State's process for boundary amendment
  - Assessing boundary geometry (topology) using the NG9-1-1 GIS Toolkit
    - Gaps
    - Overlaps
    - High-transfer call areas
  - Post-topology assessment
    - Correct and incorrect usage of topology exceptions

- Stakeholder/neighbor engagement workshop
    - What to bring to a workshop (MOUs, MSAG, legal docs, etc)
  - Examining and resolving anomalies with stakeholders
- Boundary examples
- Best practices for sustainable NG9-1-1 boundary management
  - Annual boundary review-State OK StoryMap
  - Future development
  - Annexations
  - NGCS considerations
  - Snap-to points

### **Module 3: Open Discussion/Local Example Review - 1.5 hours**

- Review user-submitted examples of boundary issues