# IDS Use in Electric Utility Field Networks

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# Current State of IDS Usage

- ## Head End and Back Office
  - – Traditional solutions typically applied
    - HIDS and NIDS options are available


- ## Field Networks
  - – The further away from the head end systems, the less IDS is being deployed
    - Few, if any, HIDS solutions for embedded systems
    - Large number of nodes and smaller networks make NIDS cost prohibitive

# ORNL Effort

- Oak Ridge National Laboratory (ORNL) is tasked with focusing on IDS needs for the electric power industry.

  - Support of DOE "Roadmap to Secure Control Systems in the Energy Sector"

  - Goals Include:

    - Capture the economic justification and business case for IDS deployment within the utility
    - Identify and catalog utility requirements for IDS

  - To assist this effort, ORNL would like input from the UtiliSec WG.

# Work Discussion

- What are the utility requirements?

- What are the authoritative or guidance documents used in current deployment efforts? (NIST, ISO, IEC, IEEE, etc..)

- What are the barriers in current deployment efforts?

- What areas of the Smart Grid are the priority?

- Other concerns or comments?