Desired Outcomes from the Perspective of NIST

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NIST’s Mission, and ITL’s Goals

• NIST
  – To promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life.

• ITL
  – Accelerate, through standards, tests and metrics, the development, deployment and use of secure, usable, interoperable and reliable information systems that make American businesses more innovative and more competitive.
  – Enable world-class measurement and testing through research innovations in the areas of computer science, mathematics and statistics
Expectations

• Ontology is increasingly adopted by industry
• Lack of established measurement science for ontology quality
• Ontology Summit addresses
  – Metrics for ontology evaluation
  – Metrology for ontology evaluation
  – Methodology for building ontologies