NextGRID and Standards Development Organizations

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NextGRID Background

- Grid Research Changed Two Years Ago
  - Standards basis is now the assumed norm
- Paradigm Shift
  - Cutting edge research on top of standards
  - Cutting edge research in Standards Development
    - This was not without its trials.
- Increasing Pressure for Industrial Involvement
  - Shorter timescales
  - Impact assessments (Standards input helps a lot)
  - Exploitation strategies
NextGRID Approach

- Build on OGSA
  - Essentially OGSA Base Profile
  - NextGRID contributed significantly to OGSA profiles to obtain a normative basis.
  - Plus some NextGRID specifics
- Explore How Far OGSA Can Go
- Feedback Ideas
- Remain Open to Novel Approaches
  - New ideas needn’t go via standards.
  - Non-standard specifications can be studied.
NextGRID’s Input to SDO

- OGSA Base Profile
  - Both strategy and content
- Testing the Limits
  - WS-Addressing Security Problems
  - Experiments in unexplored corners of HTTP
  - Mechanisms for dynamics not supported by WSDL 1.1 or WSDL 2.0
  - BEPL Limitations
- Involvement in SDO
  - ADs, SDO WG chairs, and members
What Next in NextGRID

- Biting the Resource Model Bullet
  - Integration of CIM into the Grid world?
- Dynamic Web Services
  - Construction & extension of running services
  - Composition of existing running services
- Service Level Agreements
  - Structure
  - Term languages