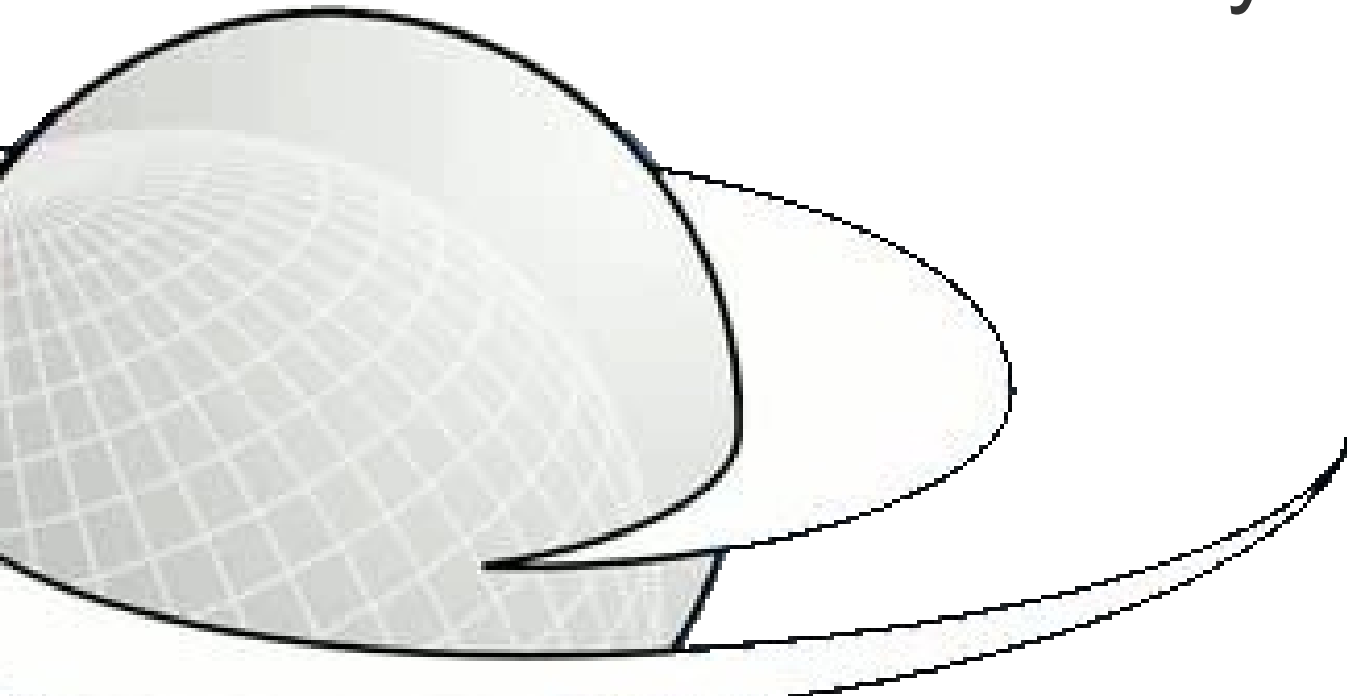# Registry Extension Standards Status

## Ray Plante

# StandardsRegExt

- For describing standards themselves
  - Like the VOSpace and SIA standards

- Motivation and use
  - Register IVOA identifiers that can be used in `<capability>`'s `standardID` attribute
    - → IVOA Identifier standard: all IVO identifiers must resolve to a record in a registry
  - Provides trail from service records to documents that describe the standard they support
  - Define concepts identified by an IVOA identifier
    - → Ex from VOSpace 2.0: ivo://ivoa.net/vospace/core#language
    - → Alternative to XSD-controlled vocabulary
      - Can be easily extended (by anyone) without changing standard or schema
  - Provides machine parse-able description of required/optional service parameters

- IVOA standards would be registered in RofR
  - Anyone can register their own ad-hoc standards
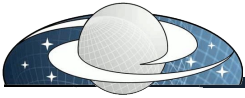
# StandardsRegExt

- Currently in RFC
  - 2 reviewers so far
  - Keep open until ... end of next week?

- Feedback so far
  - Usual typographical notes
  - Clarifying restrictions imposed by `xs:token` as type for descriptions
    - No multiple paragraphs
  - Schema change: "prop" → "pr"
    - Controlled value of endorsedVersion attribute
    - Used to indicate which version of standard is most endorsed by IVOA
    - Change expected to have low impact

# SimpleDALRegExt

- Omnibus standard covering extensions for SCS, SIA, SSA, SLA
  - Mainly to endorse current practice
- Status
  - (mostly) complete working draft in repository
    - Examples!
    - Missing: App. B: discussion of how registry supports different versions of standards
  - See Twiki page for examples: SimpleDALRegExt
- Issues decided at Nara:
  - Added support for SLA
  - Leave 2 ways to express test queries available
    - Old: tag of every argument inside capability/testQuery
    - VODataService v1.1: complete string URL suffix within ParamHTTP interface
    - No need to update schemas; update records

# SimpleDALRegExt: Current Issues

- Test queries for SSA, SLA
  - As defined, unhelpful combination of old and VODataService v1.1 ways
    - → SSA:  pos, size, queryDataCmd
    - → SLA:  wavelength (range), queryDataCmd
    - → queryDataCmd, as defined, should contain all arguments
  - Recommend replacing queryDataCmd with extras
    - → As done in SIA
    - → Impact low?  No use of queryDataCmd

# Quick Plugs

- Using volute (http://volute.googlecode.com/) for standards documents
  - See registry project:  each standard has sub-dir
  - Includes examples, release candidates ...
  - Ideal for collaborative editing
    - Especially when HTML is native format
- Template document formatting
  - Uniform, readable presentation of schema components
  - Generated from XSD via XSL stylesheet
  - More info on Twiki page: SimpleDALRegExt
- Better HTML to PDF translator
  - Enhanced template developed by Paul Harrison
  - Volute:  trunk/projects/ivoapub