

IVOA Data Access Layer
Beijing Interop Opening Plenary

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Preliminary Recommendations

- **Simple Cone Search PR**

- Motivation to document and manage via IVOA process
 - But move to eventually deprecate in favor of full IVOA standard
- PR RFC period nearly finished
- Interface frozen; discussion limited to document enhancements
- V1.1 version will permit minor interface enhancement

- **SIA V1.0**

- Motivations, guidelines same as for SCS.
- On hold at present due to other priorities
- Useful comments received on specification (F. Chereau)

Current Specifications

- **SSAP**

- V1.0 working drafts of SSAP, Spectrum available
 - Stable specs achieved fall 2006
 - half dozen or so implementations since completed
 - reference implementations to go along with specifications
- Registry/GWS integration has become a hot topic
 - getCapabilities, getAvailability
- Capability element for VOResource (registry)
 - much discussion over past weeks

Resolving getCapabilities issues high priority for Beijing

Current Specifications

- **SLAP**

- Specification currently at V0.6 with multiple implementations
- Useful feedback from Spectroscopy in VO Workshop at ESAC

Will discuss in this meeting how to move this to PR

- **SNAP (led by Theory IG)**

- G.Lemson (Theory IG) will provide update

New Specifications

- **TAP (with VOQL)**

- In first phase of interface design
 - intense discussion over past 4–6 weeks
 - issues identified but not yet resolved
- Integration with other 2ndGen DAL interfaces a priority
 - SSAP, SIAV2, TAP will be the key interfaces
 - share common interface elements
 - e.g., metadata handling, asynchronicity
- Registry integration also an issue
 - getCapabilities (as for SSAP)

Priority for this meeting is to discuss/advance TAP design

New Specifications

- **SIA V2**

- New query interface, query response based on SSAP
- Generalize to support multiple regions
- Add grid capabilities
 - asynchronous data staging, VOSpace integration
- batch operations (large images, multiple images)
 - authentication
- Advanced access capabilities
 - data cube support, complex data

- **Priority for Beijing is to define scope**