

# Applications WG

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# VOTable Conclusions (1)

## Items from Urbana (May 2012):

- Changes already agreed:
  - ▷ Change TABLEDATA null handling
  - ▷ Add BINARY2 serialization null handling
  - ▷ Add MIME type parameter to describe serialization type
- Details settled this week:
  - ▷ **VALUES** `null` attribute
    - Still permitted
    - Clients must respect it if present
    - Less need for it now, so add text deprecating in most cases; however still required to mark null *elements* of array-valued cells
  - ▷ BINARY serialization
    - Still permitted
    - Not much reason to use it, so deprecate in text in favour of BINARY2
  - ▷ MIME type
    - Name parameter `serialization` not `encoding` (too overloaded)
    - Note this does not match pre-VOTable-1.3 guess at MIME type syntax in TAPRegExt 1.0 `outputFormat` example

## VOTable Conclusions (2)

- STC Example

- Change to example VOTable documents to match STC-in-VOTable Note

- Associating SKOS concepts with **FIELDS**

- Several proposals considered
- Decision: use **LINK** element
  - ▷ No syntax changes required
  - ▷ But we do need to clarify the wording of the **LINK** description
    - . . . details TBD (will discuss on VOTable list)
- Decision was rough consensus, but not unanimous

# VOTable Roadmap

- Document changes required from current WD:
  - Change MIME type parameter from `encoding` to `serialization`
  - Deprecate (but don't forbid) BINARY serialization
  - Deprecate for most purposes (but don't forbid) `VALUES null` attribute
  - Clarify usage of `LINK` element
- Implementations (VOTable 1.3 upgrade):
  - VOClient (C) — *Fitzpatrick*
  - DaCHS (Python) — *Demleitner*
  - STIL (Java) — *Taylor*
- Validator (VOTable 1.3 upgrade):
  - STILTS `votlint` — *Taylor*
- (Optimistic?) Timeline:
  - Jan 2012: revised WD
  - Feb 2012:  $\geq 2$  implementations + validator
  - Feb 2012: PR
  - Mar 2012: RFC
  - May 2012: REC

# Contributed Presentations

## Applications 1: Tuesday 11:30–12:30

- Arnold Rots: seleste

## Applications 2: Tuesday 14:00–16:00

- Mike Fitzpatrick: Inter-desktop SAMP Session Management
- Nikolaos Apostolakos: ETC-42
- Julián Garrido: AstroTaverna
- Sharmad Navelkar: VOIMachine
- Santosh Jagade: AstroStat
- Tom Donaldson: MAST/VAO Data Discovery Portal
- Pierre Le Sidaner: Europlanet environment
- Michel Gangloff: IMPEX: analysis of planetary data with AMDA and 3DView

## Applications 3: Thursday 11:00–12:30

- Omar Laurino: The Iris Software Development Kit: Adding functionality to Iris
- Milvia Capalbi: ASDC SED Builder
- Margarida Castro Neves: SPLAT New Features
- Jesus Salgado: VOSpec: Photometry service support
- Carlos Rodrigo: VOSA
- Alberto Krone-Martins: 3D Navigation Tool

# Themes

## Observations from contributed presentations:

- SAMP is everywhere!
- Spectral tools are mature (but still improving)
- Web applications are getting very sophisticated
- VO standards in use by planetary science