# Operations IG

Chair:      Mark Taylor

Vice-Chair:  Steve Groom

IVOA Interop Meeting

Bologna

12 May 2023

`$Id: ops-review.tex,v 1.3 2023/05/11 21:07:25 mbt Exp $`

# Weather Reports

## Session #4: Monday 8 May, 16:00–17:30 CEST

PADC — Renaud Savalle (`https://voparis-validation-reports.obspm.fr/`)

▷ New EPN-TAP validator

Euro-VO Registry (ESDC) — Henrik Norman (`https://registry.euro-vo.org/`)

▷ Significant registry and validator code improvements

- Validation of Cone, SIA, SSA, HiPS, MOC, (EPN-)TAP
- Service numbers steadily increasing
- Major improvements since last year in SIA and SSA compliance
- Other services look reasonably healthy

## Use the information!

- Check results for your service (and fix issues!)
- Web site and API interfaces available for results

## Validation improvements to consider:

- Regular updates of validators (automatically monitored?)
- Allow service providers to nominate tables for validation
- Consider options for validating authenticated services

# Other Presentations

## Session #4: Monday 8 May, 16:00–17:30 CEST

### CASDA Site Report — James Dempsey

- Science-ready data (Image, Cube, Spectra, Catalogues, Visibilities)
- Lots of SODA, lots of HiPS
- APIs and website; VO APIs where possible
- VO education of radio users is work in progress

## Session #12: Wednesday 10 May, 16:00–17:30 CEST

### VO Polygon Tool — Alberto Micol

- Polygons in the VO are a mess...

# Discussion Topics

HTTP $\rightarrow$ HTTPS transition

- Some potential problems noted

Validation of authenticated services

- Several people want to do this
- Improvements to validators probably required

Authentication as an operational necessity

- Auth won't go away — we have to deal with it

(Science Platforms)

# Standards Issues Raised

Weather reports work!

Apparent standards issues revealed by monitoring:

| Issue | Raised by Ops | Resolution | Status |
|---|---|---|---|
| SSA: trailing "?" in AccessURL | May 2021 | SSA Erratum #1 | resolved |
| TAP 1.0/1.1 REQUEST mishandling | Oct 2022 | validator issue | resolved |
| SSA: coverage required for Theory services | Oct 2022 | SSA revision/Erratum | in progress |
| SSA: unclear utype prefixing | Oct 2022 | SSA revision/Erratum | in progress |
| Cone Search: UCD1s required | May 2021 | SCS minor revision | in progress (new) |
| Sexagesimal semantics markup | Nov 2021 | new DALI xtype | in progress (new) |
| Polygon definitions | May 2023 | ? | ? |

Service compliance against most standards improved over last years

- Standards issues addressed
- Service operators see validation results
- Service operators informed of issues (not comprehensive)
- Validators improved

Email: ops@ivoa.net
Slack: ivoa.slack.com #operations