

For the record – we only have one language

The specification defines the vocabulary and the grammar

- Shapes
 - Circle
 - Square
 - Triangle
- Colours
 - Red
 - Green
 - Blue
- Metadata query
 - Do you have <shape> <colour> ?
 - Do you support <colour> ?
- Data request
 - Please send me <count> <shape> <colour>.
- Data response
 - Here are the <count> <shape> <colour> you asked for.
- Error response
 - I'm sorry we don't have <count> <shape> <colour>.
 - I'm sorry, we don't support <colour>.

This is one language, not nine.



STC REGION

- 1) Import the text from TAP 1.0 as an appendix in ADQL 2.1
- 2) Update the text in response to comments
- 3) Good enough for 2.1 ?

Discussed in DAL splinter
Agreement to adopt the text from TAP
Needs review by implementors





BOX

- 1) Rough straw poll indicates no one strongly *needs* it
- 2) Remove BOX from the specification

Discussed in DAL splinter
Agreement to deprecate BOX in 2.1





CIRCLE(POINT, radius)

- 1) Sounds sensible, need to hear from implementors
- 2) Does it **need** to be in 1.2, or can it wait for 1.3 ?

Discussed in DAL splinter Agreement to include this, BNF needs fixing





Set operations

Questions about the accuracy of the BNF

- Need to hear from implementors.
- Please send suggested fixes.
- Is it “good enough” for 2.1 ?

Discussed in DAL splinter
Needs a second implementation and
review BNF





CAST

- 1) Happy to drop CAST from 2.1
- 2) If someone really wants CAST, we can add it to 2.2

Discussed in DAL splinter
Agreed to remove from 2.1





TIMESTAMP

TIMESTAMP was added to maintain compatibility with VOTable

Constructor syntax was defined to match geom constructors

Add text recommending when to use TIMESTAMP
and when to use more accurate types ?

Discussed in DAL splinter
Agreed to keep this in 2.1.
Add text to recommend when to use
TIMESTAMP vs other date types



Boolean functions

The intention was to replace

```
SELECT .. WHERE 1 = CONTAINS(...)
```

With user friendly

```
SELECT .. WHERE CONTAINS(...)
```

Gain – simpler queries

Cost – obscure error messages when we get it wrong

Discussed in DAL splinter
No clear conclusion

Check what is allowed in
SQL92 ?



Bitwise operators

We have been through many iterations of this

- Functions only
- Functions and operators
- Operators only

Keep operators unless there is a strong case against.

Gain – consistent with existing databases and documentation

Cost – adding the operators to our grammar parsers

(* I know the BNF in the document has issues with operator precedence.

Updated BNF proposed on the mailing list fixes the issue.





Recommended crossmatch

Move it to an appendix rather than the main specification

Happy to accept text evolving on mailing list





SQL comparison

Request from implementaors

Appendix listing the differences between ADQL and SQL

Probably not ready for 2.1, bounce to 2.2

PEG grammar in 3.x is more important





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String functions

Request from implementors

UPPER
LOWER
STR_LEN
SUB_STR ..

Probably not ready for 2.1, bounce to 2.2

PEG grammar in 3.x is more important





Next steps

Only accepting minor changes for 2.1

Work in progress for 2 independent implementations

Non-trivial changes will get bounced to 2.2

Version 3.x will have PEG grammar

