



IVOA Standard Recommendation Process

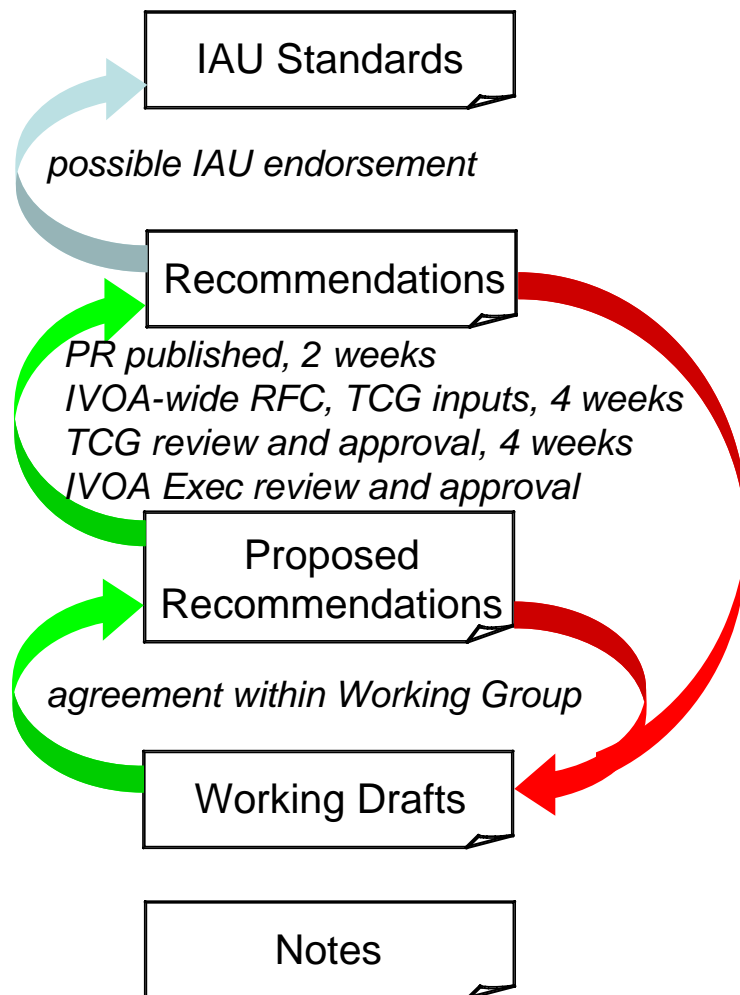
Christophe Arviset
for the
IVOA Standing Committee on
Standards and Processes

IVOA Document Standard Process



TCG

IVOA Document Standards Process



- Current v1.2 in Proposed Recommendation
- RFC period completed
- TCG review close to completion
- Should become formal IVOA REC soon
- Already in place

Purpose of the Process



TCG

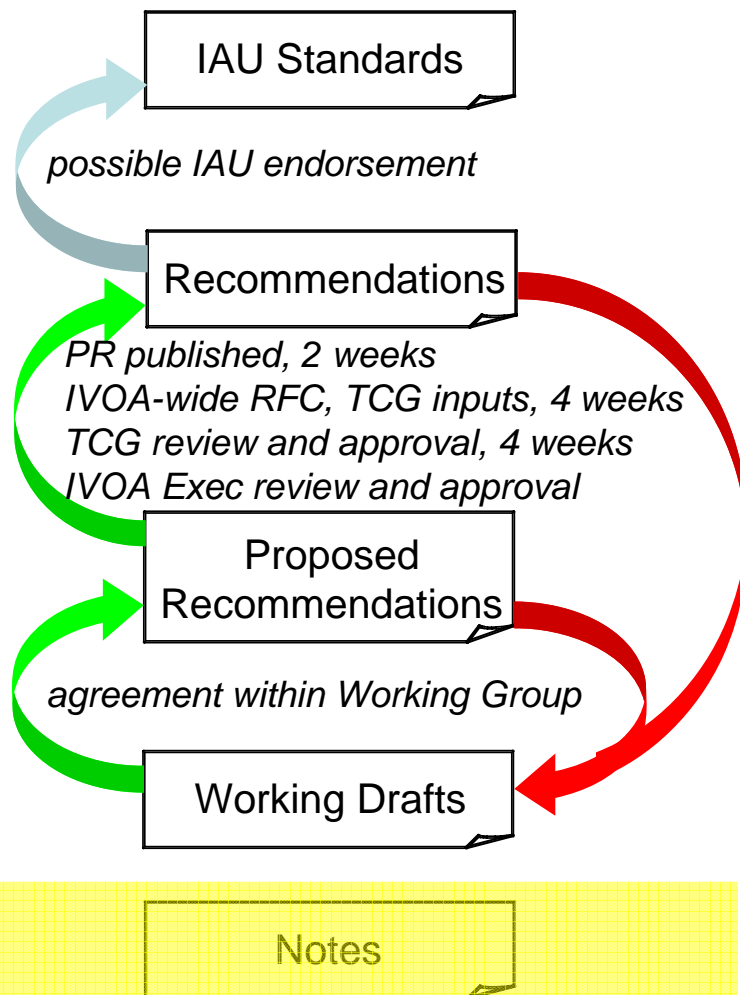
- Ensure visibility and transparency of the process
 - Public records at all stages
- Ensure cross check with other working groups and interest groups
 - Potential interdependencies with other IVOA standards
- Final endorsement by the IVOA exec

IVOA Note



TCG

IVOA Document Standards Process



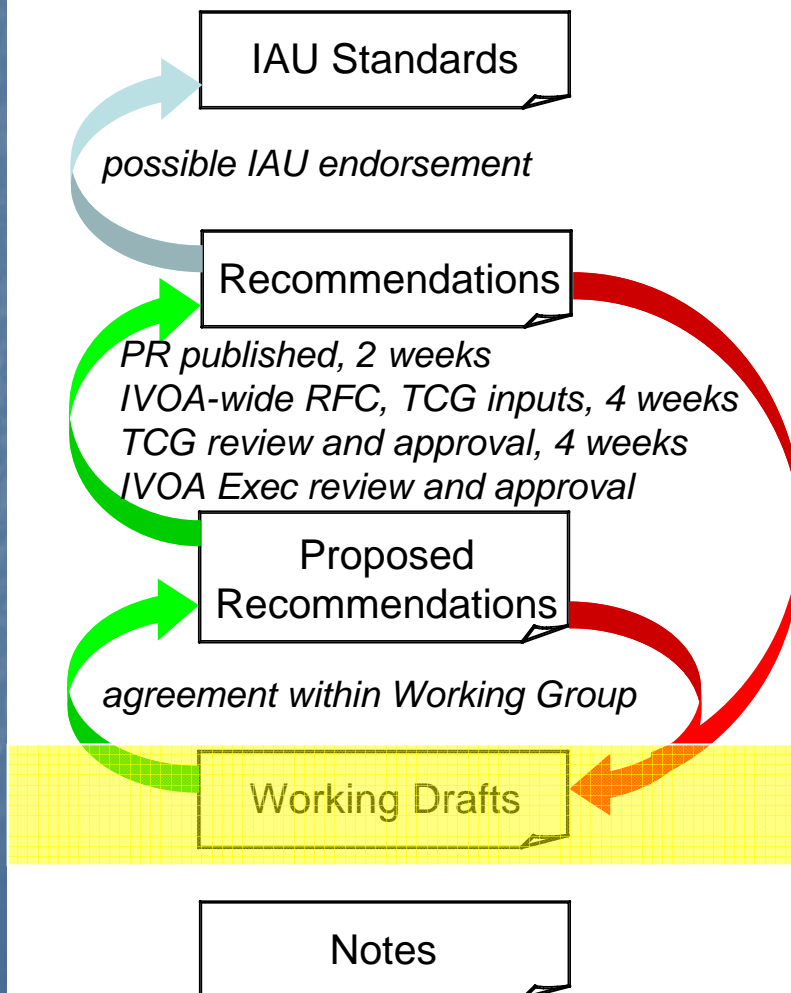
- Dated, public record of an idea, comment, practice, experience, insight, advice, guideline, or policy
- Free authorship, does not necessarily represent WG view
- Announced to WG, IVOA
- Published on IVOA Docs Repository
- Could evolve to a Working Draft, but usually not
- [NOTE-MyIdea-1.0-20091108.pdf](#)

Working Draft (1/2)



TCG

IVOA Document Standards Process



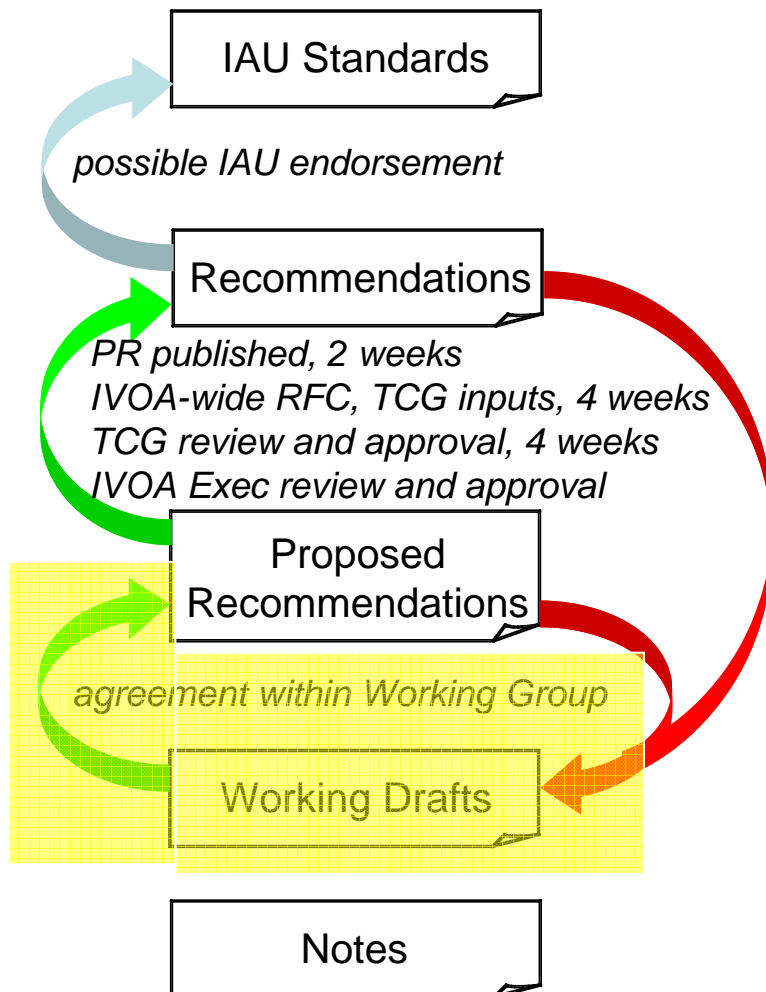
- Chartered work item of a Working Group
- Document in progress, not yet consensus within WG, IVOA
- Discussed at Interop, mailing list, "tiger team", ...
- Published on WG wiki page
- [WD-ConciseName-0.1-20081001.pdf](#)
- [WD-ConciseName-0.2-20090501.pdf](#)
- [WD-ConciseName-0.5-20091001.pdf](#)

Working Draft (2/2)



TCG

IVOA Document Standards Process



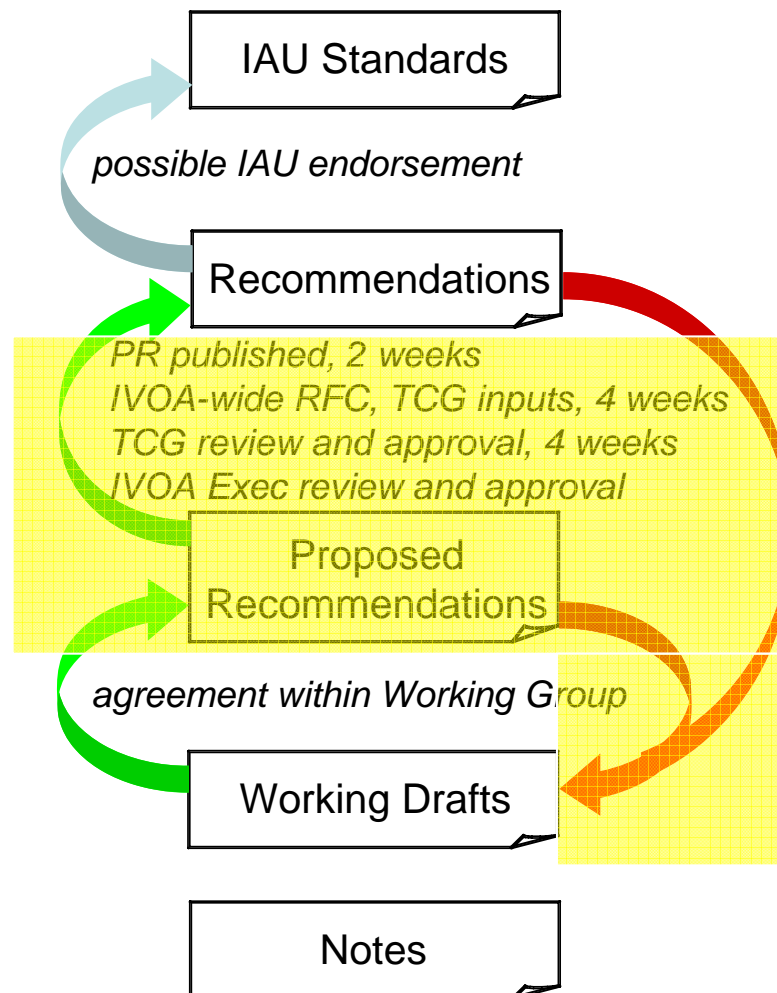
- WD-ConciseName-0.9-20091015.pdf
 - WG chair makes Announcement within WG
 - Final review of 2-4 weeks within WG
 - Consensus reached within WG
 - 2 interoperable implementations and/or validators are strongly recommended
 - WD-ConciseName-1.0-20091101.pdf
- ⇒ WG chair promotes WD to PR

Proposed Recommendation - RFC (1/3)



TCG

IVOA Document Standards Process



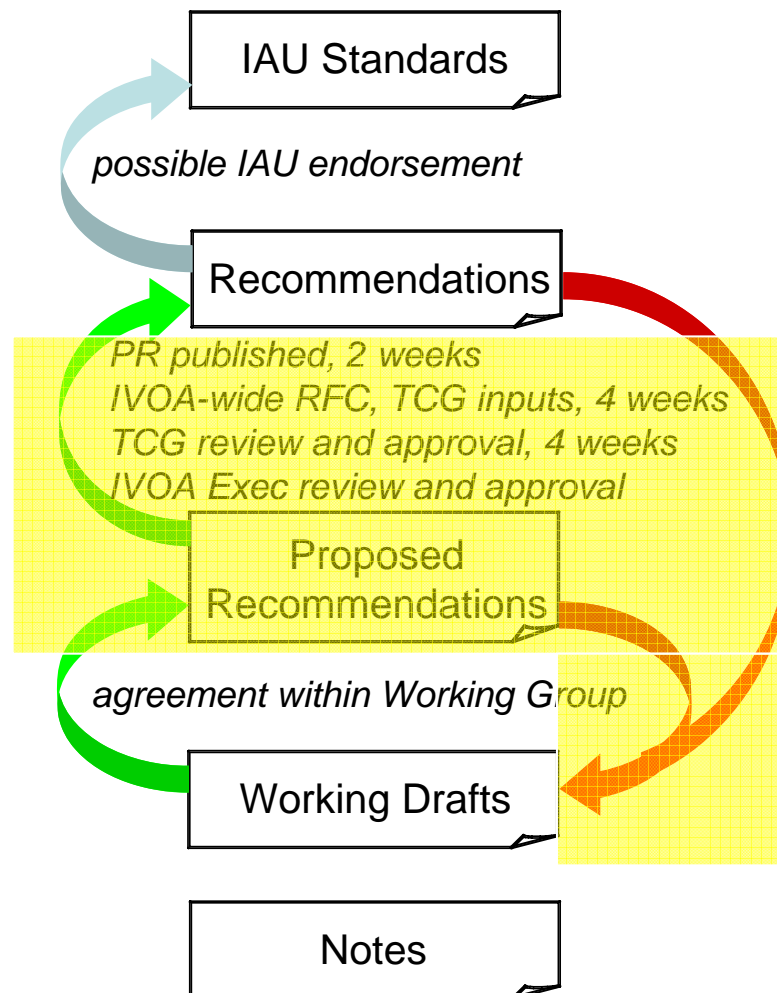
- PR-ConciseName-1.0-20091115.pdf
- Published in IVOA Docs Page for 2 weeks
- Creation of RFC page
- WG chair announces RFC to whole interop for 4 weeks
- Comments gathered from all IVOA community on wiki page
 - Including 1st compatibility check from all WG/IG chairs
- Answers on wiki page and WG mailing list
- PR-ConciseName-1.0-20091215.pdf
- ⇒ OK => WG asks for TCG review
- ⇒ KO => back to WG

Proposed Recommendation – TCG review (2/3)



TCG

IVOA Document Standards Process



- PR-ConciseName-1.0-20091215.pdf
 - Published in IVOA Docs Page
 - Update of RFC page for TCG review
 - WG chair announces to TCG review for 4 weeks
 - Each WG/IG chair to final check cross compatibility with WG standards
 - Answers on wiki page and WG mailing list
 - PR-ConciseName-1.0-20100115.pdf
- ⇒ OK =>
- ⇒ TCG+WG chair makes summary
 - ⇒ TCG+WG chair send it to EXEC for approval
- ⇒ KO => back to WG

TCG summary



TCG

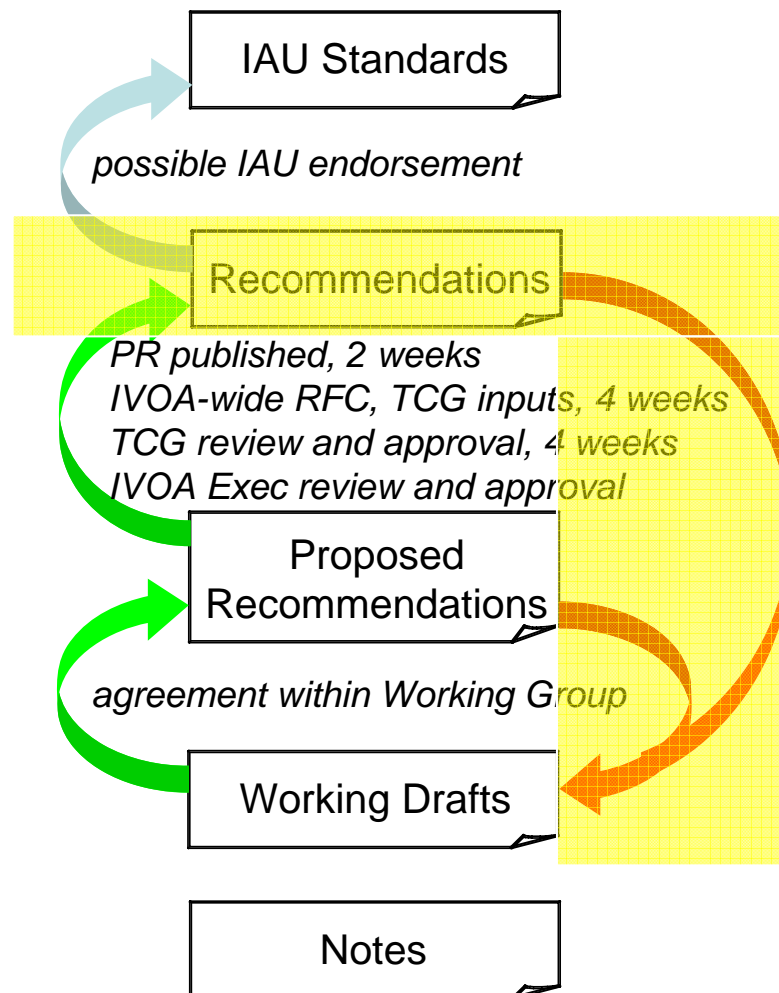
Standard	SAMP - Simple Application Messaging Protocol		
RFC page	http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampRfcDiscussionV1		
Start RFC	08-Dec-08		
End RFC	16-Jan-09		
Start TCG Review	18-Feb-09		
End TCG Review	10-Mar-09		
Start Exec Review	16-Mar-09		
REC date			
	YES	Yes, but	NO
	Comments to be brought to the Exec		
WGs			
Apps	1		
DAL	1		
DM	1		
GWS	1		
Registry	1		
Semantics	1		
VOEvent	1		
VOQL	1		
VOTable	1		
TCG	1		
IGs			
Astro-RG	1		
Data CP	1		
Theory	1		
	YES	Yes, but	NO
TOTAL	13	0	0

Standard	SAMP - Simple Application Messaging Protocol
RFC page	http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampRfcDiscussionV11
Start RFC	08-Dec-08
End RFC	16-Jan-09
Start TCG Review	18-Feb-09
End TCG Review	10-Mar-09
Start Exec Review	16-Mar-09
REC date	
Ref. Implementation 1	SAMP implementations are listed at http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampSoftware
Ref. Implementation 2	Various applications already talk SAMP, in particular TOPCAT, Aladin, Stilts, WWT (list not exhaustive)
Ref. Implementation 3	JSAMP and SAMPy, which are libraries implementing every feature of the standard. JSAMP also contains a comprehensive validation tool.
Recommendations to EXEC	<p>Main comments during RFC period led to an update of the SAMP document and to the creation of the www.ivoa.net/samp page where the SAMP vocabulary will be described and maintained.</p> <p>Unanimous approval from all TCG members. Various implementations already in place.</p> <p>The TCG wants to thank the authors for their excellent work and recommends the IVOA Exec to approve SAMP as an IVOA standard.</p>

Final Recommendation



IVOA Document Standards Process



- PR-ConciseName-1.0-20100115.^{TCG}pdf
- TCG approval summary

- IVOA exec polls exec for approval for 2 weeks
- Published in IVOA Docs Page

⇒ OK =>

⇒ IVOA exec informs Exec, TCG+WG chair

⇒ Document becomes IVOA Recommendation

⇒ **REC-ConciseName-1.0.pdf**

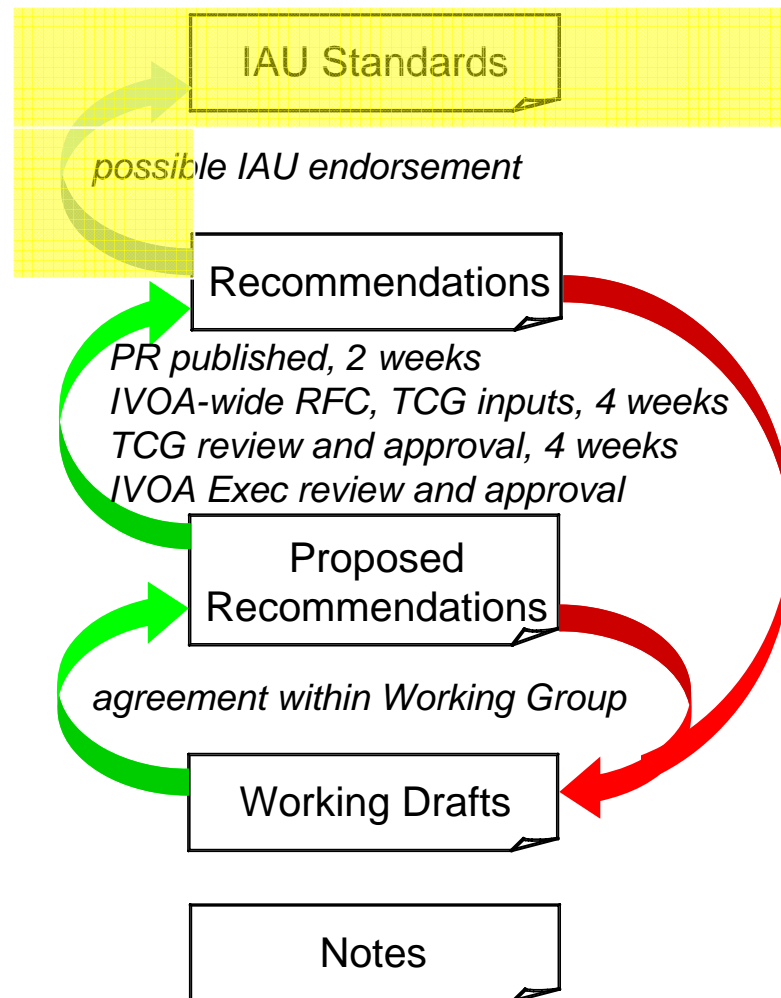
⇒ KO => back to WG

IAU Endorsement



TCG

IVOA Document Standards Process



- REC-ConciseName-1.0-20100130.pdf
- Formal IVOA Recommendation
- IVOA exec may propose to the IAU Commission 5 that IVOA Rec. be endorsed as IAU Standards

IVOA Documents Repository



TCG

International Virtual Observatory Alliance

Documents and Standards 



[Documents](#) [XML Schema](#) [Templates](#) [Docs Submission](#)

On this page:

[Technical Specifications](#) [Notes](#) [Promotion process](#) [Submission Log](#)

<http://www.ivoa.net/Documents/>

Technical Specifications

Group	Title	Most stable	In progress	Version history
App	Simple Application Messaging Protocol	1.11		1.11 1.11 1.10 1.00
DAL	Simple Cone Search	1.03		1.03 1.02 1.01 1.00
	Simple Image Access	1.0	RFC	1.0 1.0 1.01 1.00
	Simple Line Access	1.0	RFC	1.0 1.0
	Simple Spectral Access	1.04		1.04 1.03 1.02 1.01 1.01 1.00
	Table Access Protocol	1.0	RFC	1.0 1.0 1.00
DaM	Space-Time Coordinate Metadata for the Virtual Observatory (STC)	1.33		1.33 1.31 1.30 1.21 1.20 1.10 1.00
	Data Model for Astronomical DataSet Characterisation	1.13		1.13 1.12 1.12 1.11 1.10 1.00
	Simple Spectral Lines Data Model	1.0	RFC	1.0 1.0
GWS	IVOA Spectral Data Model	1.03		1.03 1.02 1.01 1.01 1.01 1.00
	IVOA Single-Sign-On Profile: Authentication Mechanisms	1.01		1.01 1.01 1.00 1.00
	VOSpace service specification	1.15	2.0	1.15 2.0 1.15 1.15 1.14 1.13 1.12 1.12 1.11 1.10 1.02 1.02 1.01 1.00 1.00
	IVOA Credential Delegation Protocol	1.0	RFC	1.0 1.01 1.01 1.00
	Universal Worker Service	1.0	RFC	1.0 1.0
	IVOA Support Interfaces	1.0		1.0 1.0
ReR	IVOA Web Service Basic Profile	1.00		1.00
	IVOA Identifiers	1.12		1.12 1.11 1.10 1.10 1.10 1.00
	IVOA Registry Interfaces	1.0		1.0 1.0 1.00 1.02 1.01 1.00
	Resource Metadata for the Virtual Observatory	1.12		1.12 1.12 1.10 1.10 1.01 1.01 1.00 1.00
	VOResource: an XML Encoding Schema for Resource Metadata	1.03		1.03 1.02 1.02 1.01 1.00
Semantics	VODataService: a VOResource Schema Extension for Describing Collections and Services	1.1	RFC	1.1 1.10
	An IVOA standard for Unified Content Descriptors	1.10		1.10 1.10 1.06 1.05 1.03
	UCD1+ Controlled Vocabulary	1.23		1.23 1.22 1.21 1.20 1.20 1.11 1.11 1.10 1.02 1.00
	Maintenance of the list of UCD words	1.20		1.20 1.20 1.10 1.00
	Vocabularies in the Virtual Observatory	1.19		1.19 1.18 1.16 1.15 1.13 1.00
SDP	IVOA Document Standards	1.0		1.2 1.2 1.2 1.2 1.1 1.1 1.0 1.0
VOE	Sky Event Reporting Metadata (VOEvent)	1.11		1.11 1.11 1.10 1.01
VQL	IVOA Astronomical Data Query Language	2.00		2.00 2.00 2.00 1.01 1.00
	IVOA SkyNode Interface	1.01		1.01 1.00
VOT	VOTable Format Specification	1.10	1.2 RFC	1.2 1.2 1.20 1.20 1.10 1.00

Maturity level: ■ Recommendation ■ Proposed Recommendation ■ Working Draft

Most stable: New systems should be developed against this version with the highest maturity level.

In progress: Indicates (if any) a new version of the document under development (but with a lower maturity level than its predecessor) and a link to the relevant Request For Comments (RFC).

IVOA Documents Naming and version numbering conventions



TCG

- Purpose : coherent and consistent naming and version numbering of IVOA Docs
- DocType-ConciseName-I.J-YYYYMMDD.ext
 - DocType : NOTE, WD (Working Draft), PR (Proposed Recommendation), or REC (Recommendation)
 - ConciseName : reasonable condensation of the document title
 - I.J : version number of the form I.J, where I and J are integers 0, 1, 2, ... 9, 10, 11,
 - YYYYMMDD : GMT date on which the current version of the document was produced
 - ext : **.pdf (required)**, .html,.doc

IVOA Documents Naming and version numbering conventions



TCG

1st versions PRIOR to 1st REC

NOTE-MyNewIdea-1.0-20081001.html	(initial idea)
WD-ConciseName-0.1-20081225.html	(first Working Draft, in WG)
WD-ConciseName-0.1-20081231.html	(revised 6 days later)
WD-ConciseName-0.2-20090115.html	(text revised substantially)
WD-ConciseName-0.2-20090201.html	(final version in WG before PR)
WD-ConciseName-1.0-20090301.html	(published first version)
PR-ConciseName-1.0-20090501.html	(promoted to PR)
PR-ConciseName-1.0-20090615.html	(updated after RFC)
PR-ConciseName-1.0-20090801.html	(updated after TCG review)
REC-ConciseName-1.0.pdf	(accepted as REC; date, e.g., 20090901 appears on title page)

"Minor" update AFTER 1st REC

"Major" update AFTER 1st REC

WD-ConciseName-1.1-20100628.html	(first update to WD in WG; does not affect software)	WD-ConciseName-2.0-20110628.html	(major update to WD in WG; does affect software)
WD-ConciseName-1.1-2010715.html	(revised text)	WD-ConciseName-2.0-2011715.html	(revised text)
WD-ConciseName-1.1-2010801.html	(revised text)	WD-ConciseName-2.0-2011801.html	(revised text)
PR-ConciseName-1.1-20100815.html	(promoted to PR)	PR-ConciseName-2.0-20110815.html	(promoted to PR)
PR-ConciseName-1.1-20100915.html	(updated after RFC)	PR-ConciseName-2.0-20110915.html	(updated after RFC)
PR-ConciseName-1.1-20101001.html	(updated after TCG review)	PR-ConciseName-2.0-20111001.html	(updated after TCG review)
REC-ConciseName-1.1.pdf	(accepted as REC)	REC-ConciseName-2.0.pdf	(accepted as REC)

Conclusions



TCG

- IVOA Document Standard Process is crucial for the IVOA
- To all : Use it !
 - Note, Working Draft, Proposed Rec.
 - Document Naming and version numbering conventions
- To WG chairs : remember the REC process for your WG standard adoption !
- To IVOA Doc Coordinator and TCG chair : Ensure the process is followed !