



# IVOA Standard Recommendation Process

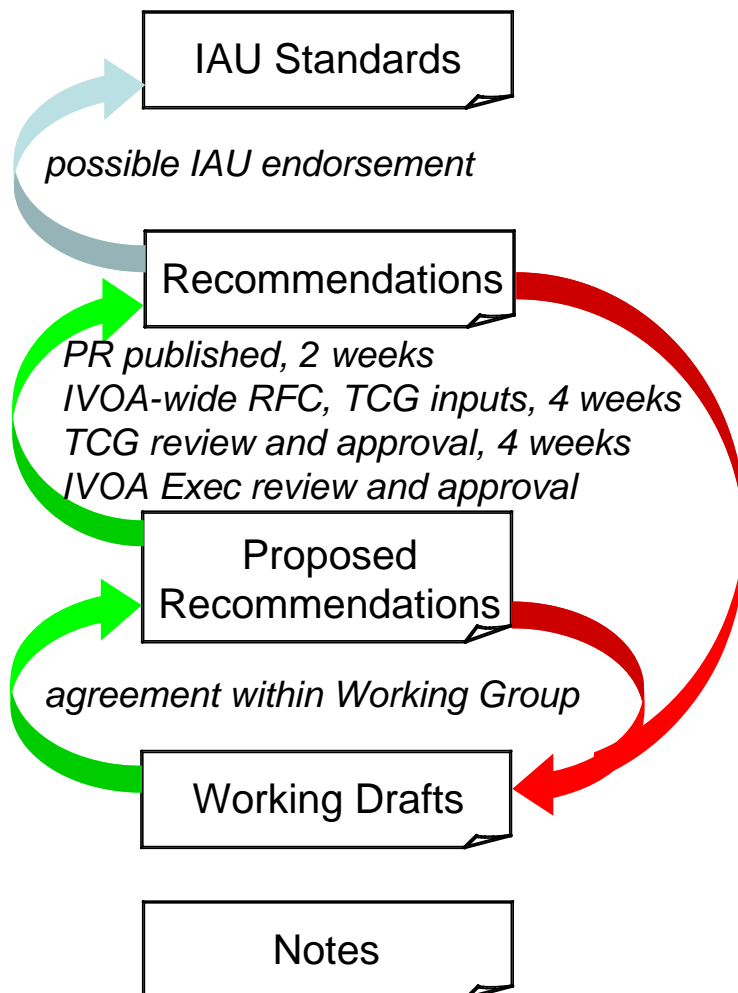
Christophe Arviset  
for the  
IVOA Standing Committee on  
Standards and Processes

# IVOA Document Standard Process



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## 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



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- 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

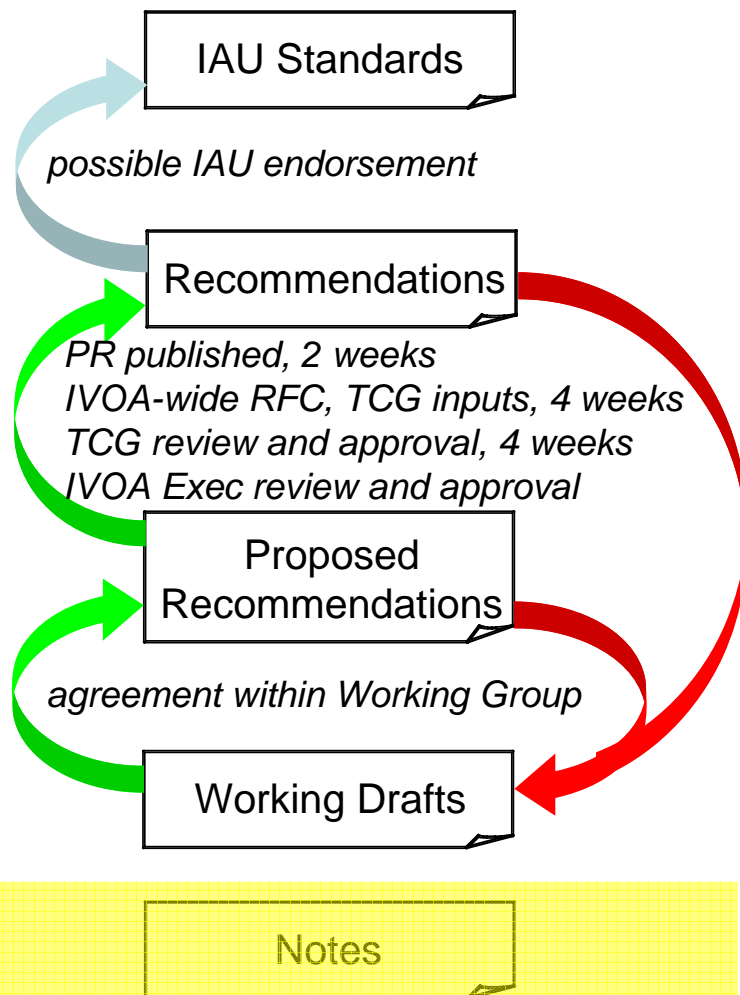


# IVOA Note



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## IVOA Document Standards Process



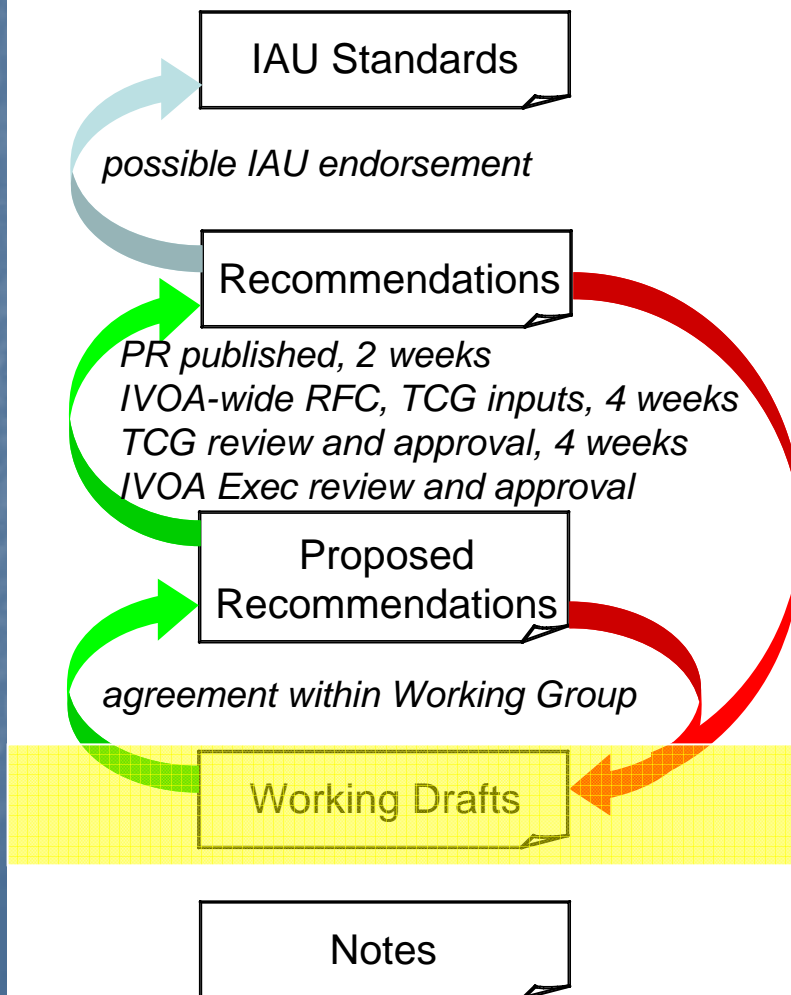
- Dated, public record of an idea, comment, practice, experience, insight, advice, guideline, or policy
- Free authorship, does not necessarily represent WG view
- Announced to WG, IVOA
- Published on IVOA Docs Repository
- Could evolve to a Working Draft, but usually not
- [NOTE-MyIdea-1.0-20091108.pdf](#)

# Working Draft (1/2)



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## IVOA Document Standards Process



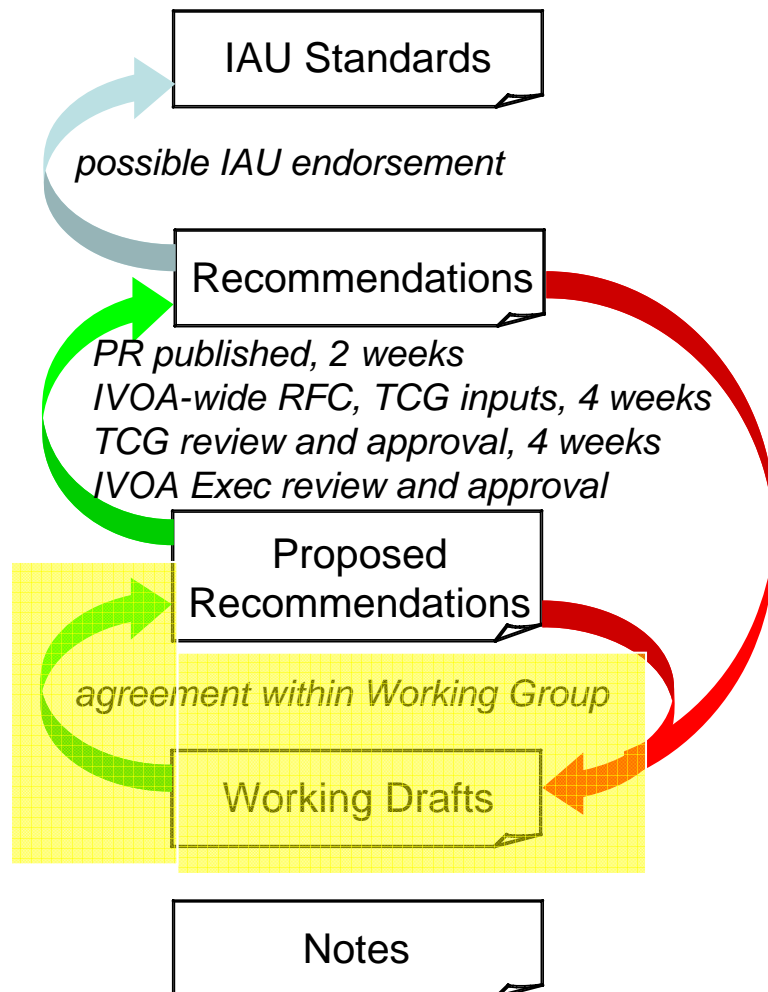
- Chartered work item of a Working Group
- Document in progress, not yet consensus within WG, IVOA
- Discussed at Interop, mailing list, "tiger team", ...
- Published on WG wiki page
- [WD-ConciseName-0.1-20081001.pdf](#)
- [WD-ConciseName-0.2-20090501.pdf](#)
- [WD-ConciseName-0.5-20091001.pdf](#)

# Working Draft (2/2)



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## 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

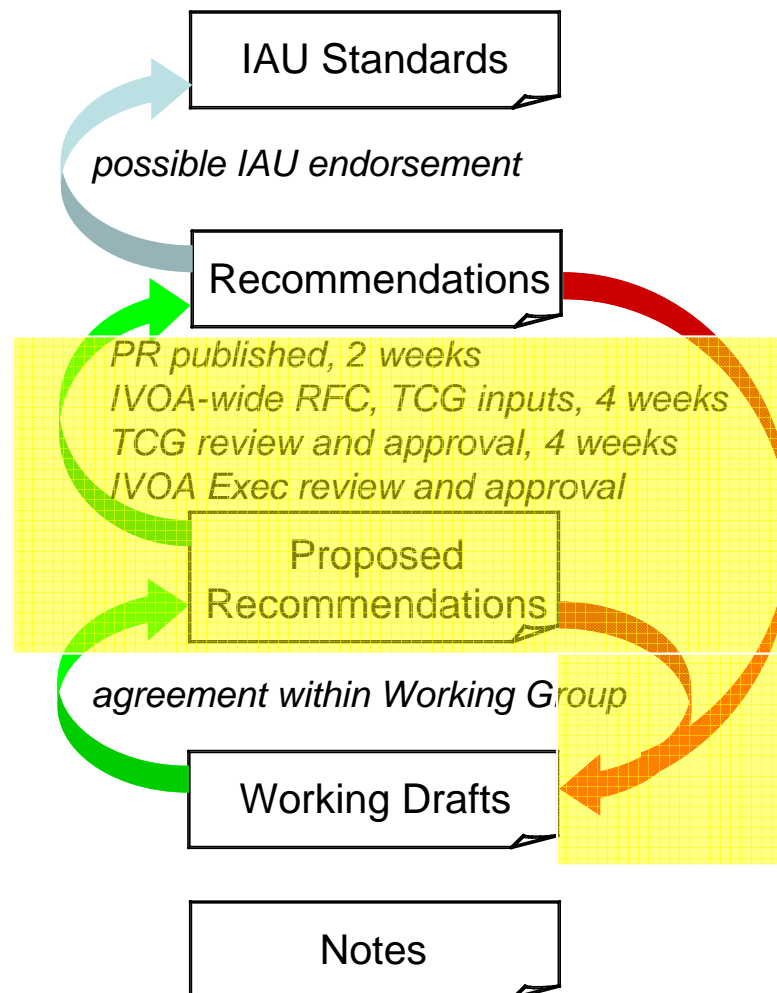


# Proposed Recommendation - RFC (1/3)



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## IVOA Document Standards Process



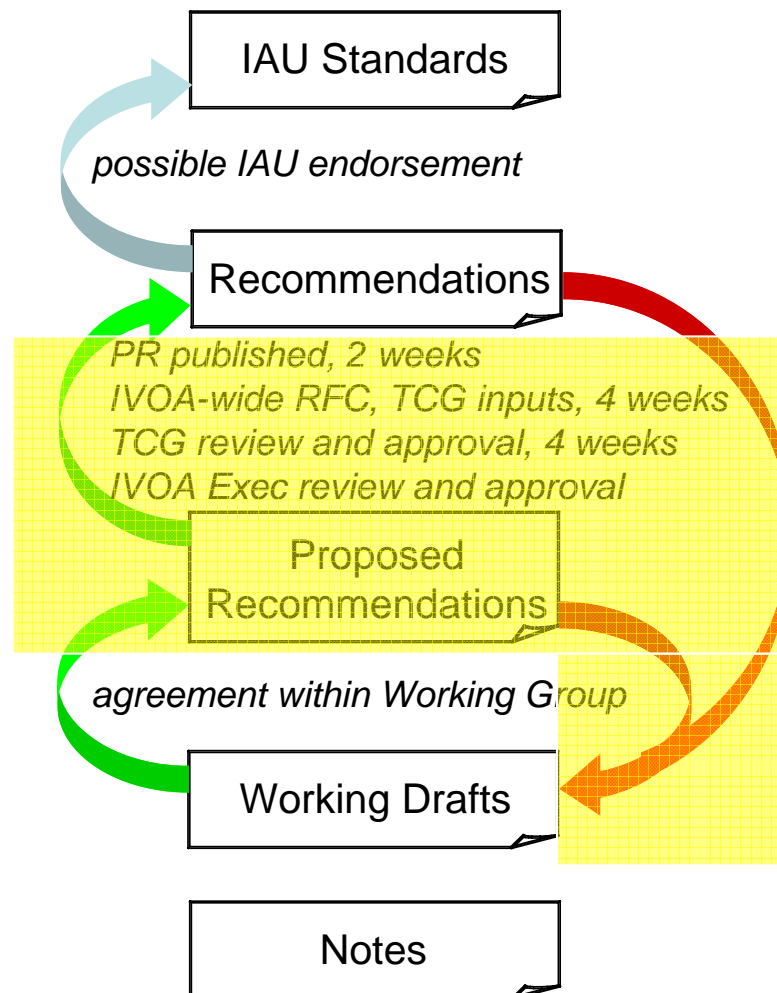
- PR-ConciseName-1.0-20091115.pdf
- Published in IVOA Docs Page for 2 weeks
- Creation of RFC page
- WG chair announces RFC to whole interop for 4 weeks
- Comments gathered from all IVOA community on wiki page
  - Including 1<sup>st</sup> compatibility check from all WG/IG chairs
- Answers on wiki page 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)



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## 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



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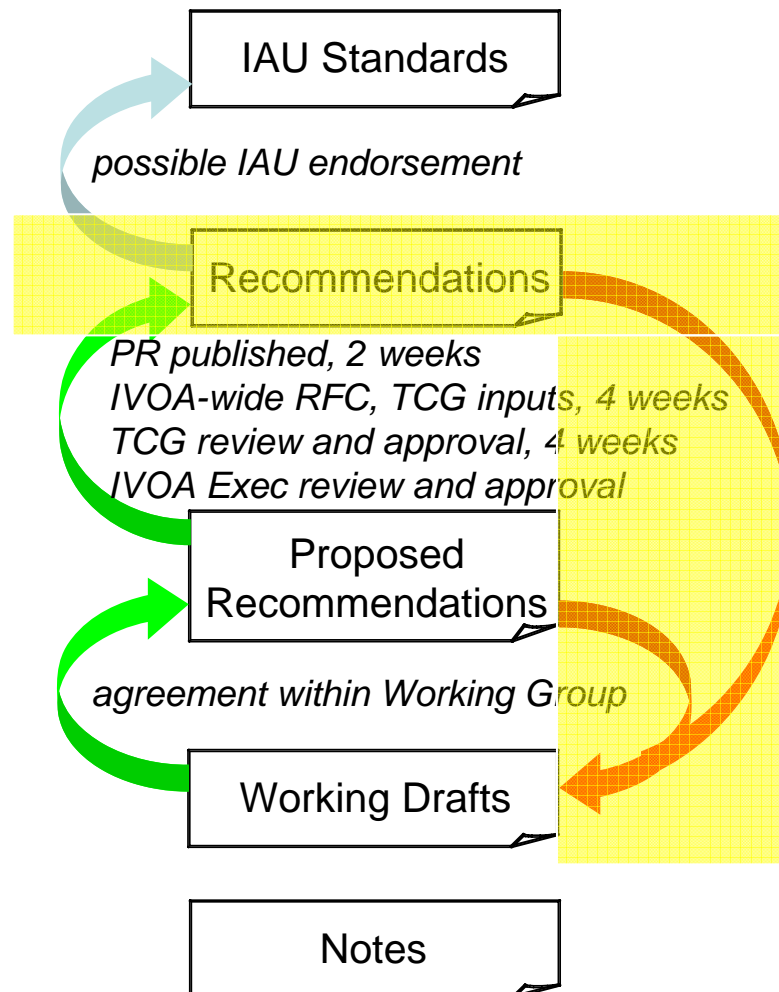
Standard	SAMP - Simple Application Messaging Protocol			
RFC page	<a href="http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampRfcDiscussionV1">http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampRfcDiscussionV1</a>			
Start RFC	08-Dec-08			
End RFC	16-Jan-09			
Start TCG Review	18-Feb-09			
End TCG 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	<a href="http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampRfcDiscussionV11">http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampRfcDiscussionV11</a>
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 <a href="http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampSoftware">http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/SampSoftware</a>
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 <a href="http://www.ivoa.net/samp">www.ivoa.net/samp</a> 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



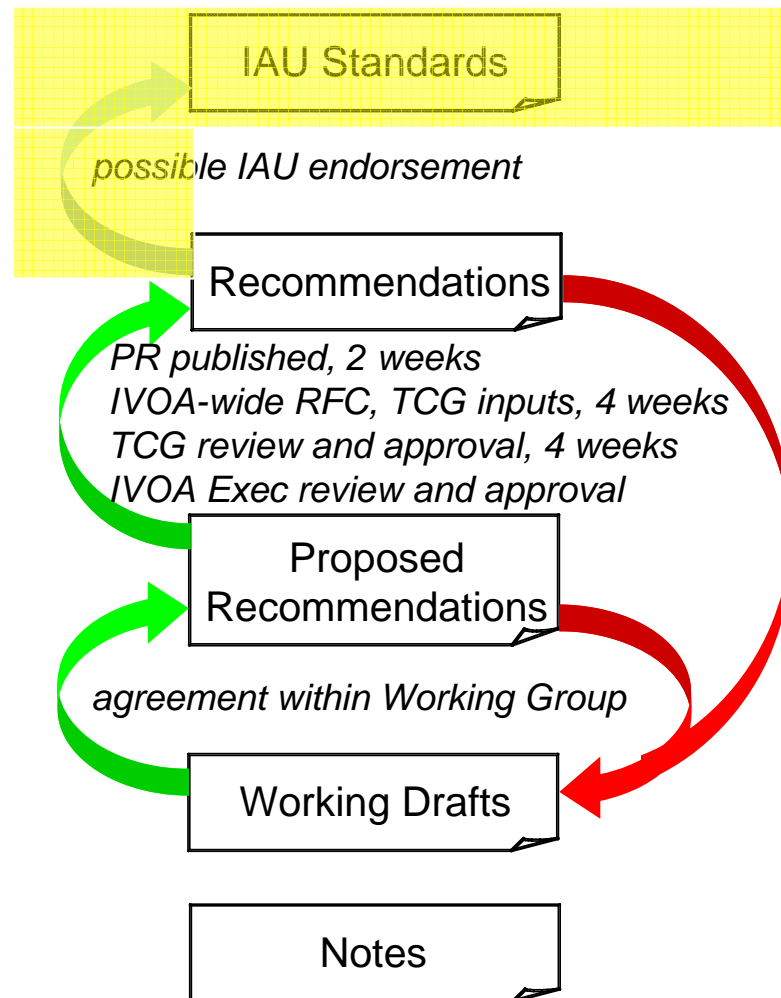
- PR-ConciseName-1.0-20100115.pdf<sup>TCG</sup>
  - TCG approval summary
  - IVOA exec chair polls exec for approval for 2 weeks
  - Published in IVOA Docs Page
- ⇒ OK =>
- ⇒ IVOA exec informs Exec, TCG+WG chair
  - ⇒ Document becomes IVOA Recommendation
  - ⇒ **REC-ConciseName-1.0.pdf**
- ⇒ KO => back to WG

# IAU Endorsement



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## 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



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

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



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- 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



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## 1<sup>st</sup> versions PRIOR to 1<sup>st</sup> 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 1<sup>st</sup> REC

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

## "Major" update AFTER 1<sup>st</sup> REC

WD-ConciseName-2.0-20110628.html	(major update to WD in WG; does affect software)
WD-ConciseName-2.0-2011715.html	(revised text)
WD-ConciseName-2.0-2011801.html	(revised text)
PR-ConciseName-2.0-20110815.html	(promoted to PR)
PR-ConciseName-2.0-20110915.html	(updated after RFC)
PR-ConciseName-2.0-20111001.html	(updated after TCG review)
REC-ConciseName-2.0.pdf	(accepted as REC)



# Conclusions



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- 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 !