VOTable 1.5	This document describes the structures making up the VOTable standard. The main part of this document describes the adopted part of the VOTable standard; it is followed by appendices presenting extensions which have been proposed and/or discussed, but which are not part of the standard. The main purpose of VOTable 1.5 is to support the COOSYS refposition attribute analogous to TIMESYS, and some clarifications and rewordings. The full list of changes is available here: https://github.com/ivoa-std/VOTable/milestone/1?closed=1		
RFC page	https://wiki.ivoa.net/twiki/bin/view/IVOA/VOTable15RFC		
Document page	https://www.ivoa.net/documents/VOTable/20241125/		
Start RFC	2024-04-25		
End RFC	2024-12-18		
Start Exec review	2024-12-20		
REC Date	2025-01-08		
	YES	NO	Abstain	Comments for Exec
TCG coordination	x		
Working Groups			
Apps	x		
DAL	x		
DM	x		
GWS	x		
Registry	x		
Semantics	x		
Interest Groups			
DCP	x		
Education			
Knowledge Discovery			
Operations	x		
Radio	x		
Solar System	x		
Time Domain	x		
Committees			
Standards & Processes			
TOTAL	12	0	0
Reference Implementation Overview	DaCHS (server side), STILTS/TOPCAT, and astropy support this VOTable minor revision.		
Reference Implementation #1	DaCHS produces COOSYS refposition in TAP results from the gaia.dr3lite table in the GAVO Data Center TAP service which can be read by the latest versions of STILTS and TOPCAT. For example: - STILTS shows the metadata from the GAVO TAP results: stilts tapquery tapurl=http://dc.g-vo.org/tap sync=true adql='select top 1 * from gaia.dr3lite' ocmd=meta - STILTS rewrites the VOTable from the GAVO TAP results, including the COOSYS refposition: stilts tapquery tapurl=http://dc.g-vo.org/tap sync=true adql='select top 1 * from gaia.dr3lite' ofmt='votable(version=V15)' | grep COOSYS - TOPCAT's Columns Window shows that same metadata for those same GAVO TAP results.		
Reference Implementation #2	Astropy added support for VOTable 1.5 with PR #16856 and it will be included in the upcoming Astropy v7.0 release.		
Validator Implementation	The latest version of STILTS (v3.4-10) validates VOTable 1.5 with the following command: - stilts votlint my_votable_file.xml The VO Paris validator validates VOTable 1.5 by following these instructions: - Click on Load for VOTable. - In the empty text box below "URL of the service to validate:", enter the URL of a VOTable to validate.		
Recommendation to Exec	TCG coordination approves this minor revision of VOTable. The process has followed the usual path of comments and replies to them and brings forward the standard in terms of homogenisation (COOSYS and TIMESYS) as well as connection to other standards, like Vocabularies for reference frames, VOUnits and the inclusion of MIVOT blocks to connect to data models. TCG recommend to approve VOTable-1.5 as an IVOA REC.		