

Towards Specification of Tango V10

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COSS and C4

Tango 9 RFC

- ▶ A set of formal documents following COSS,
- ▶ **Specifies the protocol and behavior of Tango,**
- ▶ Written by the members of the Community,
- ▶ Reviewed and accepted by the editors selected from the Tango Consortium.

- ▶ **COSS - Consensus Oriented Specification System:**
 - ▶ Facilitates the process of writing technical specifications,
 - ▶ Specification is stored in plaintext files in a git repository,
 - ▶ Defines lifecycle: Raw, Draft, Stable, Deprecated, Retired,
- ▶ **C4 - Collective Code Construction Contract:**
 - ▶ Evolution of the GitHub's Fork & Pull workflow.

Tango V10 Design Goals


- ▶ Main qualities and features of Tango 9 preserved —**need for Tango 9.3.3 formal specification,**
- ▶ API compatible with Tango 9 (to some extent),
- ▶ CORBA replaced with modern transport protocol.

**Tango 9.3.3
Specification**

**Feature review
and selection**

**Tango V10
Specification**

**Tango V10 implementation
(prototype)**

 README.md

<https://github.com/tango-controls/rfc>

Tango Request For Comments (RFC)

This repository is the home of all Tango Open Specification.

The process to add or change an RFC is the following:

- An RFC is created and modified by pull requests according to the Collective Code Construction Contract (C4).
- The RFC life-cycle SHOULD follow the life-cycle defined in the Consensus-Oriented Specification System (COSS).

Current RFCs

Short Name	Title	Type	Status	Editor
RFC-1	The Tango control system	Standard	Raw	Lorenzo Pivetta
RFC-2	The device object model	Standard	Raw	Vincent Hardion
RFC-3	The command model	Standard	Draft	Sergi Blanchi-Torné
RFC-4	The attribute model	Standard	Raw	Sergi Blanchi-Torné
RFC-5	The property model	Standard	Raw	Gwenaëlle Abeillé
RFC-6	The database system	Standard	Raw	
RFC-8	The server model	Standard	Raw	

Tango RFC Roadmap

1. Writing Tango 9.3.3 formal specification—**ongoing,**
2. Selection of features for promotion to Tango V10 specification,
3. Definition of Tango V10 scope and specification,
4. Implementation of the Tango V10 prototype (client and server with a new transport protocol).

The RFC Team has regular sync-up meetings every two weeks.

Acknowledgements: The project is funded by the Tango Controls Collaboration. We would like to also thank the numerous open-source contributors from the Tango Community who volunteered their time and effort to support this project.

