

TANGO Collaboration Management – Draft of 22/5/2010

Introduction

TANGO is an open source distributed control system toolkit available under an open source license free of charge. Everyone is free to download and use TANGO. In order for TANGO to evolve and continue to profit a maximum of people the TANGO Collaboration has been created to steer the direction of TANGO and to facilitate decision making. This document describes how the collaboration is managed.

Collaboration membership

Membership of the collaboration is obtained by signing the Collaboration Agreement (previously called Memorandum of Understanding). An institute is free not to sign the collaboration agreement and use TANGO and come to the TANGO meetings. Not signing simply means the institute or individual is not part of the TANGO management board and therefore does not have a right to vote (cf. below) on TANGO issues.

A member of the collaboration is either considered as a “*Contributor*” or as a “*Committer*” .

- A Committer must contribute resources to the collaboration, and is responsible of one or more TANGO core packages.
- A Contributor can propose code modifications to the committers for TANGO core packages and / or submits TANGO DeviceServers to the public TANGO DeviceServer repository.

The existing collaboration members are free to accept an institute as a new member or not. All collaboration members should nominate a representative to the executive committee (see below). This representative should have enough power to decide on allocating resources to developing software for TANGO.

TANGO Core Software

Besides the TANGO core library, the following packages are considered part of the TANGO controls system core :

- TANGO library for C++, Java and Python
- Starter server and control system manager (astor)
- Database server and database browser (jive)
- Code generator (pogo)
- Generic clients (atkpanel, jdraw)
- Source and binary packaging
- Archiving
- Alarm
- TANGO bindings
 - *Matlab*
 - *LabView*
 - *Igor Pro*
- Source code repository
- Web site : <http://tango-controls.org>

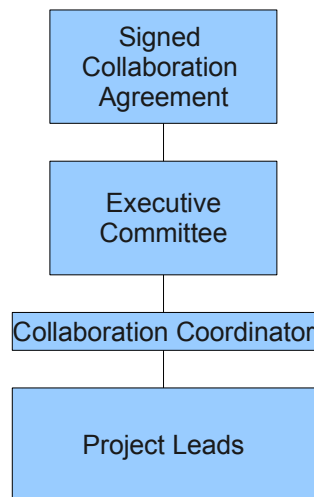
The list is maintained uptodate by the collaboration coordinator and any changes to this list are decided by the executive committee. Each package which is part of the TANGO core has to have a

project lead in charge.

Management structure

The management structure is made up of three levels:

- Executive Committee
- Collaboration Coordinator
- Project Leads



Executive Committee

The executive committee makes the strategic decisions about developments in the TANGO collaboration. There should be one member from each institute who has signed the collaboration agreement. The member should be the person who is highest in each institute hierarchy and has sufficient technical knowledge about TANGO. To ensure that the right decisions are made and match those of the user community, advice must be sought by the committee from their respective users and developers on a regular basis. The committee will meet just after the TANGO collaboration meeting held on average twice a year. The TANGO collaboration meeting should be organised by one of the collaboration members by rotating in a round-robin fashion. The collaboration members is entitled to request a registration fee from the collaboration meeting attendees to cover the costs of the meeting.

The TANGO executive committee has the role of making decisions in the TANGO community. Decisions are required whenever the collaboration coordinator or the executive committee thinks it is necessary to have an official TANGO decision. Members of the TANGO community can also request the executive committee to make a decision. It is up to executive committee to decide whether to accept or not. Decisions are made by voting. At least 2/3 majority is required to have an official decision. The vote of each executive committee member is weighted according to its status as collaborator and committer (cf. above). Each committee member has at least a weight of 1. An extra vote is acquired if the committee member represents an institute which is also a committer to at least one of the TANGO core packages. The situation today (May 2010) gives the following weights :

- ESRF : 2
- SOLEIL : 2
- ALBA : 2
- ELETTRA : 2
- DESY : 1
- MAX-lab : 1 (if collaboration agreement is signed)
- LMJ : 1 (if collaboration agreement is signed)
- FRMII : 1 (if collaboration agreement is signed)

The weight is re-evaluated every year.

Collaboration Coordinator

The collaboration coordinator is the center of the organizational structure and answers to the executive committee. The collaboration coordinator will chair the executive committee meetings and is responsible for carrying and coordinate the strategic decisions made at these meetings. The management responsibilities of the collaboration coordinator will include:

- organize and coordinate the executive committee meetings, to produce a report of the committee meeting and to give feedback to the TANGO community
- maintain a project plan for each task, including requirements, schedule, resource requirements

The collaboration coordinator is elected by the executive committee for a minimum period of 2 years. He/she should be a staff member of one of the collaboration members. In case of disagreement with the executive committee, the committee can decide to revoke him/her.

Project leader

Each identified project (task) must have a Project leader. For the Tango community, the project leader is the contact people for all questions/remarks concerning his/her project. He is in charge of following the project schedule and the fulfillment of the requirements. In case of problems impacting other Tango project(s), the project leader refer to the collaboration coordinator and eventually to the execute committee.

Appendix A: Projects list and leaders

- Tango library for C++: ESRF – E. Taurel
- Tango library for Java: ESRF – P. Verdier
- Tango library for Python (PyTango): ALBA – T. Coutinho
- Starter server: ESRF – P. Verdier
- control system manager (astor): ESRF – P. Verdier
- Database server: ESRF – E. Taurel
- database browser (jive): ESRF – JL. Pons
- Code generator (pogo): ESRF – P. Verdier
- Generic clients (atkpanel, jdraw): ESRF - F. Poncet
- DeviceTree: Soleil - ???
- Alarm system: Elettra - ??
- Packaging
 - Source: ESRF – E. Taurel
 - Binary: Soleil – F. Picca
- Binary packaging: Soleil -
- Archiving: Soleil – S. PierreJoseph
- TANGO bindings
 - *Matlab: Soleil - N Leclercq*
 - *LabView: Soleil - N Leclercq*
- Source code repository: ESRF – E. Taurel
- Web site : <http://tango-controls.org> : Content : ESRF – Collaboration coordinator / Infrastructure : Alba - ??
- Tango box: ESRF – Collaboration coordinator

Appendix B: Projects related to Tango but not part of the collaboration

- Tango Java graphical layer (ATK): ESRF – F. Poncet
- Tango C++ / Qt graphical layer (QTango): Elettra – ??
- Tango Python / Qt graphical layer (Tao): Alba – T. Coutinho
- Tango Igor Pro binding: Soleil – N. Leclercq