

# SEPX

## Adapt Sardana to TEP14

- **What provides:**
  - Sardana code compliant with Taurus4
- **State:** DRAFT
- **Driver(s):** ?
- **Main participants:** ?
- **Dates:** ASAP
- **Notes:**
  - SEPX to be defined
  - first tests are already done in CTGENSOFT fork (tep14 branch)

# SEP14

## Taurus scheme for MacroServer environment

- **What provides:**
  - Taurus access to MacroServer environment variables
- **State:** DRAFT
- **Driver(s):** cfalcon@cells
- **Main participants:** gcuni@cells, cpascual@cells, mrosanes@cells.es, zreszela@cells
- **Dates:** 18-09-2015
- **Notes:**
  - SEP14 document is under construction

# SEP13 ~~Plugins support~~

## Adapt to TEP13 (use Taurus plugin system)

- **What provides:**
  - Sardana code adapted to use standard Taurus plugin system
- **State:** CANDIDATE
- **Driver(s):** cpascual@cells
- **Main participants:** cpascual@cells, cfalcon@cells, mrosanes@cells, gcuni@cells, zreszela@cells
- **Dates:** 25-03-2015
- **Notes:**
  - The SEP13 document refers to both Taurus & Sardana - it should be rewritten
  - Sardana plugin to Taurus should contain:
    - Widgets (e.g. MacroExecutor, PoolMotorTV, ...)
    - Tango Factory Extensions (Pool elements, Door, ...)
    - MacroServer environment scheme
  - List of the potential entry points to Sardana:
    - Macros
    - Controllers
    - Recorders
    - Custom macro parameter editors for the MacroExecutor
    - ...

# SEP12

## Adapt to TEP12 (use python Enum instead of taurus Enumeration)

- **What provides:**
  - Sardana code adapted to use standard python Enum API (class and functional)
- **State:** CANDIDATE
- **Driver(s):** coutinho@esrf
- **Main participants:** coutinho@esrf, cpascual@esrf, picca@soleil
- **Dates:** 28-02-2014
- **Notes:**
  - The SEP12 document refers to Taurus - it should be rewritten
  - Use of Enumeration in Sardana:
    - datarecorder: DataFormats, SaveModes, RecorderStatus
    - poolacquisition: AcquisitionState
    - poolmotion: MotionState
    - expconf: PoolElementType, ChannelView, PlotType, Normalization, AcqTriggerType, AcqMode
    - sardanaeditor: PoolControllerView, MacroView
    - sardanadevs: State, ServerRunMode, DataType, DataFormat, DataAccess, ElementType, Interface
  - Could third-party (macros, controllers, guis) be affected?

# SEP8

## ~~Remove from Taurus objects the direct Logger dependence.~~ Adapt to TEP8

- **What provides:**
  - Adapt Sardana to the changes from TEP8
- **State:** CANDIDATE
- **Driver(s):** cfalcon@cells, coutinho@esrf
- **Main participants:** cfalcon@cells, cpascual@cells, coutinho@esrf
- **Dates:** 2013-10-30 (started) - soon!!
- **Notes:**
  - It is already implemented in: SEP8 branch of CTGENSOFT fork ([git://git.code.sf.net/u/cmft/sardana-GenericSoftware](https://git.code.sf.net/u/cmft/sardana-GenericSoftware))

# SEP6

## Continuous Scan Implementation

- **What provides:**

- Extends the GSF with the continuous scanning mode.
- Introduce Trigger/Gate elements into Sardana
- Experimental channels are able to execute multiple acquisitions.

- **Out of the initial scope:**

- Allow multiple functionalities in one controller.
- Merge of software and hardware data using timestamp information.

- **State:** DRAFT

- **Driver(s):** zreszela@cells

- **Main participants:** zreszela@cells, gcuni@cells, cpascual@cells, cfalcon@cells, mrosanes@cells, tnunez@desy, dfernandez@cells

- **Dates:** 2014-07-29 (abstract submission) - ...

- **Notes:**

- SEP6 documentation available in the wiki
- Latest development in: [git.code.sf.net/u/cmft/sardana-GenericSoftware](https://git.code.sf.net/u/cmft/sardana-GenericSoftware)

# SEP4

## HKL integration in Sardana

- **What provides:**
  - diffractometer control (several geometries) via Sardana
- **State:** DRAFT
- **Driver(s):** tnunez@desy
- **Main participants:** tnunez@desy, picca@soleil, coutinho@esrf
- **Dates:** 2013-06-28 (started)
- **Notes:**
  - First approach is done. Ready to be tested in tere29/Sardana fork.
  - Taurus GUIs implemented.
  - Discussions about a different implementation implying changes in Sardana controllers.

# SEP3

## ~~Tango-Independent~~ Adapt to TEP3

- **What provides:**
  - Adapt Sardana to TEP3 changes
- **State:** CANDIDATE
- **Driver(s):** cfalcon@cells
- **Main participants:** cfalcon@cells, cpascual@cells, coutinho@esrf, mrosanes@cells, zreszela@cells
- **Dates:** 2013-06-26 (started) - soon!!
- **Notes:**
  - Sardana should work with the changes implemented in the TEP3.
  - Reliance on backwards-compatibility APIs should be avoided.
  - **The necessary changes are implemented in the SEP3 branch of the sardana.**



# SEP2

## Lima integration

- **What provides:**
  - control over 2D experimental channel in a standard way - using Lima library
- **State:** DRAFT
- **Driver(s):** gjover@cells
- **Main participants:** gjover@cells
- **Dates:** 2013-06-25 (started) - ...
- **Notes:**
  - early implementation uses the LimaCCD device (available in the 3rd party controllers repository)
  - change it to use Lima library directly (without Tango)
  - instead of passing the image itself in the ReadOne method a DataSource should be returned
  - allow creation of more than one axis, this will allow to synchronize acquisitions with other cameras