



TANGO
Device
Server

Sy Setupoles synchro User's Guide

SySextuSynchro Class

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Implemented in C++ - CVS repository: ESRF

Introduction:

To synchronize the SY sextupoles TANGO device server with BPSS, this class read data collector and gives the Dipole period to the sextupoles device server, if this period has changed.

Class Inheritance:

- Tango::Device_4Impl
 - SySextuSynchro

Class Description:

Properties:

Device Properties		
Property name	Property type	Description
PollingPeriod	Tango::DEV_LONG	Datacollector polling period in milliseconds.
BpssDevName	Tango::DEV_STRING	Bpss device name to read T0.

Device Properties Default Values:

Property Name	Default Values
PollingPeriod	3000
BpssDevName	No default value

There is no Class properties.

Commands:

More Details on commands....

Device Commands for Operator Level		
Command name	Argument In	Argument Out
Init	DEV_VOID	DEV_VOID
State	DEV_VOID	DEV_STATE
Status	DEV_VOID	CONST_DEV_STRING
DevReadBpssT0	DEV_VOID	DEV_LONG

1 - Init

- **Description:** This commands re-initialise a device keeping the same network connection. After an Init command executed on a device, it is not necessary for client to re-connect to the device. This command first calls the device *delete_device()* method and then execute its *init_device()* method. For C++ device server, all the memory allocated in the *nit_device()* method must be freed in the *delete_device()* method. The language device desctructor automatically calls the *delete_device()* method.
- **Argin:**
DEV_VOID : none.

- **Argout:**
DEV_VOID : none.

- **Command allowed for:**

2 - State

- **Description:** This command gets the device state (stored in its *device_state* data member) and returns it to the caller.

- **Argin:**
DEV_VOID : none.

- **Argout:**
DEV_STATE : State Code

- **Command allowed for:**

3 - Status

- **Description:** This command gets the device status (stored in its *device_status* data member) and returns it to the caller.

- **Argin:**
DEV_VOID : none.

- **Argout:**
CONST_DEV_STRING : Status description

- **Command allowed for:**

4 - DevReadBpssT0

- **Description:** Returns the las BPSS dipole period read in the datacollector.

- **Argin:**
DEV_VOID :

- **Argout:**
DEV_LONG : BPSS Dipole period in us.

- **Command allowed for:**

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