

TraitPointPlan Tango Cpp Class

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TraitPointPlan Class Identification :

Contact : at synchrotron-soleil.fr - langlois
 Class Family : Motion
 Platform : All Platforms
 Bus : Not Applicable
 Manufacturer : none
 Manufacturer ref. :

TraitPointPlan Class Inheritance :

- [Tango::DeviceImpl](#)
 - TraitPointPlan

TraitPointPlan Class Description :

This class gives the implementation of the Trait Point Plan device.

This device will convert 3 vertical translations and 2 horizontally translations (in the case of a five motors device) into 2 rotations (Pitch(Rx) and Roll(Rs)) and 1 translation (Tz).

Moreover in the case of a five motors device, 1 rotation Yaw (Rz) and 1 translation (Tx).

TraitPointPlan Properties :

There is no class properties

Device Properties			
Name	Description	Type	Default Value
BackExtElevationMotorName	This property gives the name of the back exterior (to the ring) motor use to move for up to down and up to down the back exterior leg.	String	none
BackIntElevationMotorName	This property gives the name of the back interior motor use to move from up and down and down to up the back interior leg	String	none
BackTranslationMotorName	This property gives the device name of the motor use to translate the two back legs from left to right and right to left.	String	none
CenterHorizontalToFront	The value of the horizontal center to front	double	none
CenterToHeight	Distance between the center of the table at the bottom and the elevation of the table and his thickness.	double	none
CenterVerticalToFront	Distance between the center of the table and the front leg. (The vertical one)	double	none
CommandStateName	The name of the command to check the state of the proxies.	String	state
CommandStopName	Name of the command to Stop all Axis (eg: AxisStop).	String	stop
DeviceType	The two available choices are : - 3 : the device is composed of three motors. - 5 : the device is composed of five motors.	String	none
FrontElevationMotorName	This property gives the name of the front motor use to move for up to down and up to down the front leg.	String	none
FrontTranslationMotorName	This property gives the device name of the motor use to translate the front leg from left to right and right to left.	String	none

NominalPitch	Nominal value for pitch.	double	none
NominalRoll	Nominal value for roll.	double	none
NominalXc	Nominal value for Xc.	double	none
NominalYaw	Nominal value for yaw.	double	none
NominalZc	Nominal value of the elevation Zc.	double	none
PitchDirection	Indicates the pitch sign to define if the pitch is positive or negative when the table roll toward up. The convention is the table pitch toward down (we look behind the beam) Convention = TRUE = 1.0 FALSE = -1.0	boolean	none
RollDirection	Indicates the roll sign to define if the roll is positive or negative when the table roll toward right. The convention is the table roll toward right (we look behind the beam) Convention = TRUE = 1.0 FALSE = -1.0	boolean	none
YawDirection	Indicates the Yaw sign to define if the yaw is positive or negative when the table yaw toward right. The convention is the table yaw toward right (we look behind the beam) Convention = TRUE = 1.0 FALSE = -1.0	boolean	none
TableLength	The length of the table.	double	none
TableWidth	Width of the table.	double	none
AngleUnit	Unit to be used to expressed the angular attributes (Pitch, Roll Yaw) Value is either ``Deg`` or mRad``	String	none
PitchMechanicalLimits	Pitch mechanical array limits as follow : 0 : min limit value 1 : max limit value	double[]	none
RollMechanicalLimits	Roll mechanical array limits as follow : 0 : min limit value 1 : max limit value	double[]	none
YawMechanicalLimits	Yaw mechanical array limits as follow : 0 : min limit value 1 : max limit value	double[]	none

TraitPointPlan Class Commands				
Name	Input type	Output type	Level	Description
State	DEV_VOID	DEV_STATE	OPERATOR	This command gets the device state (stored in its <i>device_state</i> data member) and returns it to the caller.
Status	DEV_VOID	CONST_DEV_STRING	OPERATOR	This command gets the device status (stored in its <i>device_status</i> data member) and returns it to the caller.
SaveAsNominal	DEV_VOID	DEV_VOID	OPERATOR	Save the current values as the nominal ones (can be restored by the GoToNominal command). The current Zc, Xc, Sc, Roll, Pitch, Yaw values are stored like nominal values.
GoToNominal	DEV_VOID	DEV_VOID	OPERATOR	Go to the nominal saved values (by the SaveAsNominal command). The nominal values are stored in NominalZc, nominal Xc, nominalSc, nominal Pitch, nominalYaw, nominal Roll.
Stop	DEV_VOID	DEV_VOID	OPERATOR	Stop all the movements. Useful when an invalid value to avoid to go to this position.
Undo	DEV_VOID	DEV_VOID	OPERATOR	Undo the last movement.
MotorsToZero	DEV_VOID	DEV_VOID	OPERATOR	This command is used to make all the motors to the Zero position
InitializeTraitPointPlan	DEV_VOID	DEV_VOID	OPERATOR	Method to allow the initialization of the traitpointplan to a reference state.

Command State :

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

State Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::DEV_STATE	State Code
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	false	..
Polling Period	Not polled	..

Command allowed for All states ..

Command Status :

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

Status Definition		
Input Argument	Tango::DEV_VOID	none.
Output Argument	Tango::CONST_DEV_STRING	Status description
DisplayLevel	OPERATOR	..
Inherited	true	..
Abstract	true	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command SaveAsNominal :

Save the current values as the nominal ones (can be restored by the GoToNominal command).
The current Zc, Xc, Sc, Roll, Pitch, Yaw values are stored like nominal values.

SaveAsNominal Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command GoToNominal :

Go to the nominal saved values (by the SaveAsNominal command).
The nominal values are stored in NominalZc, nominal Xc, nominalSc,
nominal Pitch, nominalYaw, nominal Roll.

GoToNominal Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Stop :

Stop all the movements. Useful when an invalid value to avoid to go to this position.

Stop Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command Undo :

Undo the last movement.

Undo Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command MotorsToZero :

This command is used to make all the motors to the Zero position

MotorsToZero Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..
Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

Command InitializeTraitPointPlan :

Method to allow the initialization of the traitpointplan to a reference state.

InitializeTraitPointPlan Definition		
Input Argument	Tango::DEV_VOID	
Output Argument	Tango::DEV_VOID	
DisplayLevel	OPERATOR	..

Inherited	false	..
Abstract	false	..
Polling Period	Not polled	..
Command allowed for	All states	..

TraitPointPlan Class Attributes							
Name	Inherited	Abstract	Attr. type	R/W type	Data type	Level	Description
pitch	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	Value of the pitch (Rx).
roll	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	Value of the roll (Rs).
yaw	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	Value of the Yaw (Rz).
zC	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	Altitude of the center of the table (Tz).
xC	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	OPERATOR	The X position of the center of the table (Tx).
t1z	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	EXPERT	Value of the front elevation. This value is used in expert mode\nif the user want to directly enter the elevation of the front leg\nwithout passing by the roll, pitch , yaw upper-level methods.
							Value of the back left elevation. This value is used in expert

t2z	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	EXPERT	mode\nif the user want to directly enter the elevation of the back left \nleg without passing by the roll, pitch , yaw upper-level methods.
t3z	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	EXPERT	Value of the back right elevation. This value is used in expert mode\nif the user want to directly enter the elevation of the back right \nleg without passing by the roll, pitch , yaw upper-level methods.
t4x	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	EXPERT	Value of the front translation. This value is used in expert mode\nif the user want to directly enter the translation of the front\nleg without passing by the roll, pitch , yaw upper-level methods.
							Value of the back translation. This value is used in expert mode\nif the user want to directly enter

t5x	false	false	Scalar	READ_WRITE	Tango::DEV_DOUBLE	EXPERT	the translation of the back\leg without passing by the roll, pitch, yaw upper-level methods.
pitchSoftLimitMin	false	false	Scalar	READ	Tango::DEV_DOUBLE	EXPERT	Computed pitch soft limit min value (according to min of nt1z, t2z, t3z and tableLength).
pitchSoftLimitMax	false	false	Scalar	READ	Tango::DEV_DOUBLE	EXPERT	Computed pitch soft limit max value (according to max of nt1z, t2z, t3z and tableLength).
rollSoftLimitMin	false	false	Scalar	READ	Tango::DEV_DOUBLE	EXPERT	Computed roll soft limit min value (according to min of nt1z, t2z, t3z and tableLength).
rollSoftLimitMax	false	false	Scalar	READ	Tango::DEV_DOUBLE	EXPERT	Computed roll soft limit max value (according to max of nt1z, t2z, t3z and tableLength).
yawSoftLimitMin	false	false	Scalar	READ	Tango::DEV_DOUBLE	EXPERT	Computed yaw soft limit min value (according to min of nt4x, t5x and tableLength).
yawSoftLimitMax	false	false	Scalar	READ	Tango::DEV_DOUBLE	EXPERT	Computed yaw soft limit max value (according to max of nt4x, t5x and tableLength).

There is no dynamic attribute defined.

Attribute pitch :

Value of the pitch (Rx).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Pitch
unit	mrad
standard unit	
display unit	
format	%7.3f
max_value	15
min_value	-15
max_alarm	12
min_alarm	-12
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute roll :

Value of the roll (Rs).

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Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Roll
unit	mrad
standard unit	
display unit	
format	%7.3f
max_value	20
min_value	-20
max_alarm	15
min_alarm	-15
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute yaw :

Value of the Yaw (Rz).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at	Not set

Attribute Properties	
label	Yaw
unit	mrad
standard unit	
display unit	
format	%7.3f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set

init	
Read allowed for	All states
Write allowed for	All states

min_warning	
delta_time	
delta_val	

Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute zC :

Altitude of the center of the table (Tz).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Center Altitude
unit	mm
standard unit	
display unit	
format	%6.3f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute xC :

The X position of the center of the table (Tx).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	OPERATOR
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Center Position X
unit	mm
standard unit	
display unit	
format	%6.3f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute t1z :

Value of the front elevation. This value is used in expert mode\nif the user want to directly enter the elevation of the front leg\nwithout passing by the roll, pitch , yaw upper-level methods.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE

Attribute Properties	
label	Front Elevation
unit	mm

Attribute Event Criteria	
Periodic	Not set
	Not

Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

standard unit	
display unit	
format	%7.4f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Relative Change	set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute t2z :

Value of the back left elevation. This value is used in expert mode\nif the user want to directly enter the elevation of the back left \nleg without passing by the roll, pitch , yaw upper-level methods.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set

Attribute Properties	
label	Exterior Leg Elevation
unit	mm
standard unit	
display unit	
format	%7.4f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false

Read allowed for	All states
Write allowed for	All states

user code	
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute t3z :

Value of the back right elevation. This value is used in expert mode\nif the user want to directly enter the elevation of the back right \nleg without passing by the roll , pitch , yaw upper-level methods.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Interior Leg Elevation
unit	mm
standard unit	
display unit	
format	%7.4f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute t4x :

Value of the front translation. This value is used in expert mode\nif the user want to directly enter the translation of the front\nleg without passing by the roll, pitch , yaw upper-level methods.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

Attribute Properties	
label	Front Translation
unit	mm
standard unit	
display unit	
format	%7.4f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute t5x :

Value of the back translation. This value is used in expert mode\nif the user want to directly enter the translation of the back\nleg without passing by the roll, pitch , yaw upper-level methods.

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ_WRITE
Data Type	Tango::DEV_DOUBLE

Attribute Properties	
label	Back Translation
unit	mm
standard unit	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set

Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	true
Write hardware at init.	Not set
Read allowed for	All states
Write allowed for	All states

display unit	
format	%7.4f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute pitchSoftLimitMin :

Computed pitch soft limit min value (according to min of t1z, t2z, t3z and tableLength).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	pitchSoftLimitMin
unit	mrad
standard unit	mrad
display unit	mrad
format	%6.2f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false

Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute pitchSoftLimitMax :

Computed pitch soft limit max value (according to max of t1z, t2z, t3z and tableLength).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	pitch soft limit max
unit	mrad
standard unit	mrad
display unit	mrad
format	%6.2f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute rollSoftLimitMin :

Computed roll soft limit min value (according to min of t1z, t2z, t3z and tableLength).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	rollSoftLimitMin
unit	mrad
standard unit	mrad
display unit	mrad
format	%6.2f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute rollSoftLimitMax :

Computed roll soft limit max value (according to max of nt1z, t2z, t3z and tableLength).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false

Attribute Properties	
label	rollSoftLimitMax
unit	mrad
standard unit	mrad
display unit	mrad
format	%6.2f
max_value	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set

Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute yawSoftLimitMin :

Computed yaw soft limit min value (according to min of nt4x, t5x and tableLength).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	yawSoftLimitMin
unit	mrاد
standard unit	mrاد
display unit	mrاد
format	%6.2f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

Attribute yawSoftLimitMax :

Computed yaw soft limit max value (according to max of nt4x, t5x and tableLength).

Attribute Definition	
Attribute Type	Scalar
R/W Type	READ
Data Type	Tango::DEV_DOUBLE
Display Level	EXPERT
Inherited	false
Abstract	false
Polling Period	Not polled
Memorized	Not set
Read allowed for	All states

Attribute Properties	
label	yawSoftLimitMax
unit	mrad
standard unit	mrad
display unit	mrad
format	%.2f
max_value	
min_value	
max_alarm	
min_alarm	
max_warning	
min_warning	
delta_time	
delta_val	

Attribute Event Criteria	
Periodic	Not set
Relative Change	Not set
Absolute Change	Not set
Archive Periodic	Not set
Archive Relative Change	Not set
Archive Absolute Change	Not set
Push Change event by user code	false
Push Archive event by user code	false
Push DataReady event by user code	Not set

There is no state defined