

Parameters synchronization

Parameters synchronization keeps your model valid and synchronized after making changes. How does the synchronization work? After you have created a new element or edited a property the associated elements and properties are updated according to your changes.

The following table lists the pairs of elements that are synchronized.

Synchronized Elements		The backward synchronization is available
Behavior (Parameter)	Operation (Parameter)	Yes
Operation (Parameter)	Call Operation Action (Pin)	Yes
Behavior (Parameter)	Call Behavior Action (Pin)	Yes
Signal (Attribute)	Send Signal Action (Pin)	Yes
Signal (Attribute)	Accept Event Action (Pin)	Yes
Activity (Parameter)	Activity (Activity Parameter Node)	Yes
Behavior (Parameter)	Signal Reception (Parameter)	Yes
Operation (Parameter)	Message (Argument)	No
Interaction (Parameter)	Interaction Use (Argument)	No
Signal (Attribute)	Message (Argument)	No

The following table lists the synchronized element properties and conditions on which these properties are synchronized.

Synchronized Elements		Properties			
		Name	Type	Direction	Multiplicity
Behavior (Parameter)	Operation (Parameter)	always	always	always	always
Operation (Parameter)	Behavior (Parameter)	always	always	always	always
Operation (Parameter)	Call Operation Action (Pin)	when source and target have the same values	when source and target have the same values	always	when source and target have the same values
Behavior (Parameter)	Call Behavior Action (Pin)				
Call Operation Action (Pin)	Operation (Parameter)	when target is undefined or unnamed	when target is undefined or unnamed	always	when target is undefined or unnamed
Call Behavior Action (Pin)	Behavior (Parameter)				
Signal (Attribute)	Send Signal Action (Pin)	when source and target have the same values	when source and target have the same values	-	when source and target have the same values
Signal (Attribute)	Accept Event Action (Pin)				
Send Signal Action (Pin)	Signal (Attribute)	when target is undefined or unnamed	when target is undefined or unnamed	-	when target is undefined or unnamed
Accept Event Action (Pin)	Signal (Attribute)				
Activity (Parameter)	Activity (Activity Parameter Node)	when target is undefined or unnamed	always	always	-
Activity (Activity Parameter Node)	Activity (Parameter)	when target is undefined or unnamed	always	not synchronized	-
Behavior (Parameter)	Signal Reception (Parameter)	always	always	always	always
Signal Reception (Parameter)	Behavior (Parameter)	always	always	always	always

Related pages

- [Resolving not synchronized elements](#)
- [Synchronization dialog environment](#)

To turn on the parameters synchronization

1. On the **Options** menu, click **Project**.
2. In the **Project Options** dialog, the **General** project options group, click to select the **Synchronize Parameters and Arguments** option.