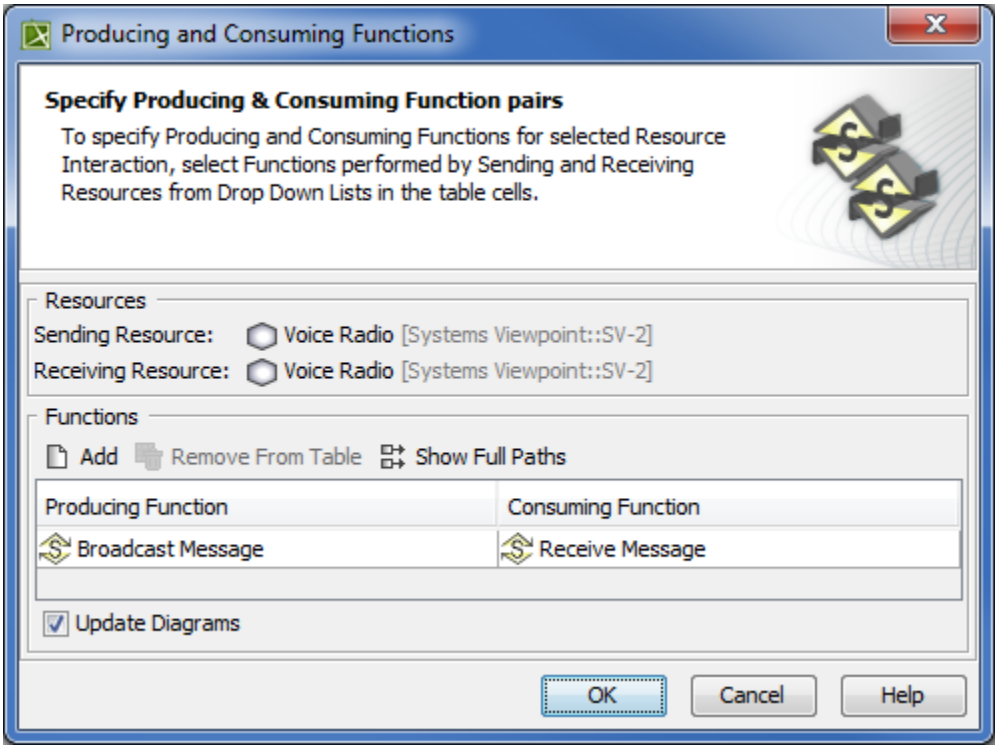
Producing and Consuming Functions dialog

The **Producing and Consuming Functions** dialog allows you to specify or modify producing and consuming Functions for a selected Resource Exchange.



To open the **Producing and Consuming Functions** dialog

- In the Specification window of the Resource Exchange, select **Producing Function**/ **Consuming Function** property value cell and click ....
- In the SV-6 Systems Data Exchange Matrix, select **Producing Function**/ **Consuming Function** cell and click ....
- In the **Resource Exchange Manager dialog**, Select **Producing Function** / **Consuming Function** cell:

  - Click ....

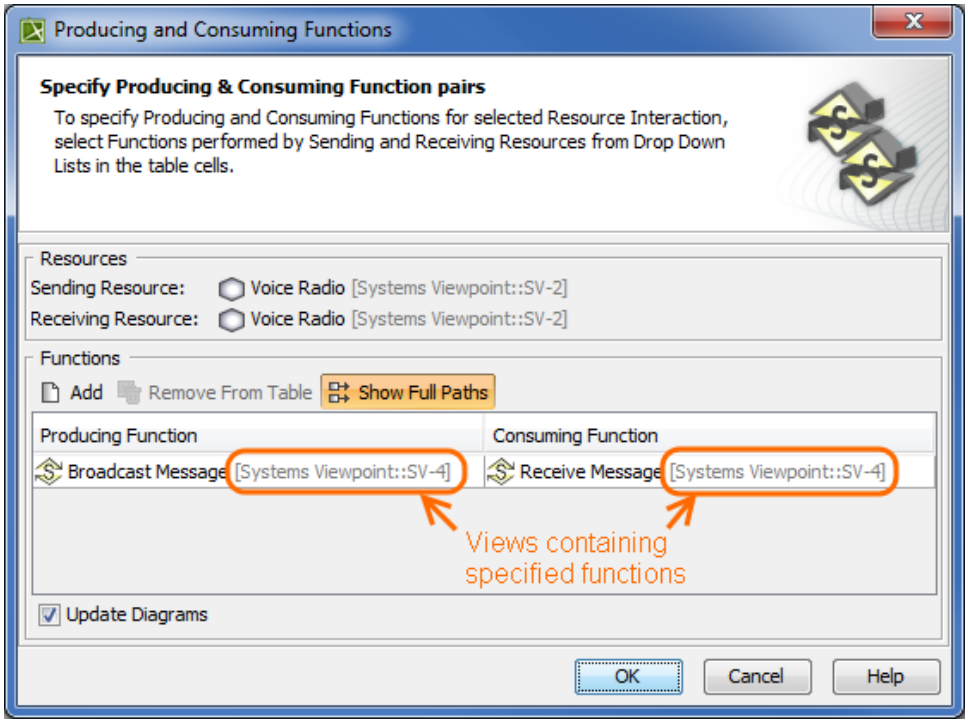
  - Click Functions.

The **Producing and Consuming Functions** dialog is embedded in the **Realized Resource Exchange** wizard as a step #2 .

The box and buttons of the dialog are described in the following tables.

Box	Description
Update Diagrams	Select to update all related diagrams. Existing diagrams will be updated by displaying a particular resource interaction as a triangle on every Function Edge connecting producing and consuming function actions. If the specified Producing and Consuming Functions does not exist in any diagram, you will be suggested to create a new SV-4 System Functionality Description Flow (DoDAF), SV-4 Functionality Description Flow (MODAF), or NSV-4 System Functionality Description Flow (NAF) diagram. Producing and Consuming Function actions and the Resource Exchange will be represented in this new diagram.

Button	Description
Add	Click to add a new row for assigning a pair of Producing and Consuming Functions.
Remove From Table	Click to delete a selected Producing and Consuming Functions pair.

Show Full Paths	Click to show views containing specified functions (see the following figure). Click once again to hide this information. 

To create a pair of producing and consuming functions

---

1. Click the **Add** button.The empty row is displayed in the table.
2. In the **Producing Function** column of a selected row, create a new value:
    - Click the drop-down arrow to open a list of available functions and select one.

      If you do not see the list of available functions, click and select the **Performed Functions** button.

    - Click the button to create a new or select a function existing in the model. The **Select Function** dialog opens, wherein you are able to select or create functions.
3. Perform the same action described above for the **Consuming Function** column of the same row.

Related procedures

- Filtering Operational Activities and Functions
- Realized Resource Exchange wizard
- Resource Exchange Manager dialog