

Generating FMEA Items


After [linking Failure Modes to the design elements](#) of your model, you can use these design elements as the source to generate FMEA Items. Each Failure mode linked to a specific model element should result in a new FMEA Item. Generating FMEA Items from design elements of your model saves time and helps avoid mistakes, because some properties (such as **Item**, **Failure Mode** and **Subsystem**) are specified for you.

FMEA Items can be generated for:

- Actions
- Blocks
- Part Properties
- Requirements
- Operations
- Activities

To generate an FMEA Item(s)

1. In the model browser, right-click the element from which you want to generate an FMEA Item, or right-click the shape of that element in a diagram.
2. In the menu, select **Tools > Generate FMEA Item(s)**.

 **Important**
The **Generate FMEA Item(s)** command is only active if the element you try to generate an FMEA Item from has at least one Failure Mode linked to it.

3. In the **Select Destination Package** dialog, select the package that you want to contain the newly created FMEA Item(s).
4. Click **OK**.

After completing the above steps, a new FMEA Item is created for each Failure Mode linked to the source model element. The name of the new FMEA Item is *source element name + Failure*. For example, if you generate an FMEA Item from the *Battery* Block, the FMEA Item is named *Battery Failure*.

If you generate an FMEA Item from a design element of your model, the following FMEA item properties are specified automatically:

- **Item** - the property value is set to the source element from which the FMEA Item is generated.
- **Failure Mode** - the property value is set to the Failure Mode linked to the source element.
- **Subsystem** - the property value is set to one of the following:
 - Activity owning the Action from which the FMEA Item is generated.
 - Block owning the Part from which the FMEA Item is generated.
 - The owner (the **Owner** property value) of the Operation from which the FMEA Item is generated.
 - If the source element is other than Action, Part or Operation, the **Subsystem** property is not specified.

Related pages

- [Reliability analysis using FMEA](#)
 - [Describing FMEA Items](#)
 - [Cloning FMEA Table rows](#)