Reports

The Report Wizard is capable of generating reports that include data on HARA (Hazard Analysis and Risk Assessment) and the Functional Safety Concept. Once the report is generated, it automatically opens for viewing. The HARA report presents a comprehensive overview of identified potential hazards and their associated risks. It categorizes these hazards and provides an analysis of the risks involved. The Functional Safety Concept report focuses on the derived functional safety requirements. It shows how these requirements are derived from the safety goals and demonstrates their relationships.

To generate a report

- 1. In the main menu of your modeling tool, select Tools > Report Wizard.
- 2. Do one of the following:
 - Select HARA Report Template to create a report containing HARA data and click Next.

Report Wizard	×
Select a report template Select a report template from which you would like to generate a report. In this dialog, you can also create new templates, edit, delete, open, clone, or import/export existing templates. Additionally, you can "Attach" a template to your project so that it can be viewed in the model containment tree. To edit an attached template, select one and click "Extract". This will create a saved copy in your local reports directory.	
Select Template	New
⊕ □ MODAF (⊕ □ NAF	Edit
🖻 🗀 NAF4	Delete
🖶 🛅 Other Documents	
E C Requirements	Open
다. 🗇 Safety and Reliability Analysis	Variable
	Clone
Risk and Risk Reduction Template	Attach
🕮 🗇 Simulation Toolkit	
🖶 🗁 SysML	
⊞- □ Traceability	
🖶 🛅 Tutorial	
🗄- 🗀 Use Case Driven Template	
A report containing Hazard Analysis and Risk Assessment (HARA) data. It is a method used to identify and categorize	
potential hazards of an item and to formulate safety goals related to the prevention or mitigation of these hazards to	
achieve an acceptable residual risk.	Import
	Export
< Back Next > Generate Cancel	Help
V DACK VIEXT > Centrate Cancel	пер

• Select Functional Safety Concept Report to generate a report containing functional safety concept data and click Next.

🖹 Report Wizard	×
Select a report template Select a report template from which you would like to generate a report. In this dialog, you can also create new templates, edit, delete, open, clone, or import/export existing templates. Additionally, you can "Attach" a template to your project so that it can be viewed in the model containment tree. To edit an attached template, select one and click "Extract". This will create a saved copy in your local reports directory.	
Select Template	New
Book a MODAF MODAF NAF Other Documents Requirements Safety and Reliability Analysis Safety and Reliability Analysis Model and Safety Concept Report Model and Safety Concept Report MARA Report Template Simulation Toolkit SysML Traceability UAF UAF Use Case Driven Template	Edit Delete Open Variable Clone Attach
	Import Export
< Back Next > Generate Cancel	Help

- 3. To include built-in data in the report, select Built-in and click Next.
- 4. Do one of the following:

 - To generate a HARA report, select the packages containing HARA elements and system functions and then click Next.
 To generate the Functional Safety Concept report, select the packages containing Functional Safety Concept elements and then click Next.

elect element scop Select one or more e	e lements to be used as the sco	ope of the generated report.		
elect Element Scope			1	
	kage 🔿 Any Element			
		D Customization for ISO-2 ; [MD Customization for R	Selected elements: 2 1 Hazard Analysis and 2 Functional Safety Co	
Apply Filter (Ct				
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5. Configure the report file by specifying the report file location and image format. Then Click Generate.

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(1) To learn more about configuring output options, refer to the Generate Output pane.

Following are examples of the HARA and Functional Safety Concept reports.

Document No: Approved Date: Document Name:				Page: 1 of 1 Revision: Effective Date:				
HazOp								
System Function	More	Less	Unintended	Intermittent	Late	Early	Inverted	No
Steering Assist	Excessive Steering Assist;	Reduced Steering Assist;	Unintended Steering Assist;	Reduced Steering Assist;	Unintended Steering Assist;	Unintended Steering Assist;	Reverse Steering Assist;	Loss of Steering assist; Locked Steering;

Example of the HARA report.

Electric Power Steering - Functional Safety Analysis Date: June 19, 2023 **Functional Safety Concept Report**

Revision: 0.1

2 Safety Goals

ID	Name	Text	ASIL	Hazardous Event	A SIL from HE
1	Prevent Unintended Vehicle Lateral Motion	Vehicle yaw shall stay within nn' of drivers input.	D	Steering Assist	D

3 Functional Safety Requirements

3.1 Specification of Functional Safety Requirements

User Informed About No Power Steering

ID	10					
Name	👽 User Informed About No Power Steering					
Text	There shall be a dashboard indic	ere shall be a dashboard indicator for no power steering				
ASIL						
ASIL Override Justification						
Safety Goal Ref		unctional Safety Requirement Ref				
ASIL from SG		ASIL from FSR				
Safe State		Operating Mode				
Fault Tolerant Time interval	0.0					

Example of the Functional Safety Concept report.