

Simulation Software: SIVAT

NRC Audit June 8-10, 2010 Alpharetta, GA



SIVAT



SImulation based VAlidation Tool





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SIVAT Demonstration

SIVAT start window



Code-generation window

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The Simulator User Interface Control

> Load Script with "Choose"

- Selection of a script with file-select dialogue from the directory \$TXS_PROJECT/<db>/sivat/<user>/protocol/script
- ♦ Script name is displayed in the mask

Run Script

♦ Starting of the selected script.

Edit Script

♦ You can modify the script in an editor and save it







Upon opening the chosen FD's within the menu: 1. Select -> Signal Connections

- 2. Actions -> Watch
- 3. Actions -> Show Online Data

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Working with scripts **Overview**



Working with scripts Simulation

> Assigning Values to signals, parameters, and function block memories

Most important commands for use in scripts



Working with scripts and specification steps (SI-0103-A)





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Example: Testing Test Object SI-0103-A

Case 1 – Test of RC Hot Leg Temperature in Channel A - Normal Range



Expected Results







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≻ Task

- Data which has been written by a test script using the plot command may therefore be directly used as output.
- The program offers a wide range of configuration options which may be saved specifically for each user.
- ♦ Note:

The print will always be performed by the default printer of the Linux-System.

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THE END

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