

3rdParty MCAL Integration

Release Notes

Renesas RH850P1x

Version 1.0.0

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Document Information

History

Author	Date	Version	Remarks
Roland Suess	2015-10-05	1.0.0	Integration of Renesas package AUTOSAR_RH850_P1x_MCAL_E4.03

Reference Documents

No.	Source	Title	Version
[1]	Vector	TechnicalReference_3rdParty-MCAL-Integration.pdf	1.01.00

Scope of the Document

This document contains information about the integration of 3rd Party MCAL into Vector software stack.

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1 MCAL Integration

1.1 Type of Integration

Comfort Integration

Vector tool DaVinci Configurator 5 is used for configuration

- > as comfort editor for Mcu component
- > as generic editor for other MCAL modules

Recommended workflow:

Generation and changes in configuration are done in DaVinci Configurator.

1.2 MCAL Location within SIP

The 3rd Party MCAL is separated from the Vector parts within the SIP, furthermore, it might not be part of the delivery. Please refer to chapter 'First Steps' in document `TechnicalReference_3rdParty-MCAL-Integration.pdf` [1].

1.3 Supported µController

This integration supports the Renesas RH850P1M target with the devices R7F701310, R7F701311, R7F701312, R7F701314 and R7F701315.

1.4 Used MCAL Packages

- > AUTOSAR_RH850_P1x_MCAL_E4.03
- > Mantis_0026358_HotFix_20150226

1.5 Configuration Tools

DaVinci Configurator 5

1.6 Supported Compilers

GreenHills (MULTI 6.1.4) and Compiler 2013.5.5

2 Vector Comment

Please consider the attached `TechnicalReference_3rdParty-MCAL-Integration.pdf` [1] for further information regarding Vector integration and setup of a project.

2.1 Known Issues

2.1.1 RamTst: Dem event parameter name not generated correctly

The Dem event was not generated correctly. Therefore Renesas provided hot fix package `Mantis_0026358_HotFix_20150226` containing a new RamTst generator. This fix is part of the integration package.

3 Glossary and Abbreviations

3.1 Glossary

Term	Description
3 rd party components / MCAL	BSW modules not provided by Vector. Vector may have integrated the software within the SIP but does not take over any responsibility regarding functionality of these modules.
DaVinci Configurator	Configuration and generation tool for Vector MICROSAR components
EB tresos™	Configuration and generation tool for MCAL components

Table 3-1 Glossary

3.2 Abbreviations

Abbreviation	Description
MCAL	Microcontroller Abstraction Layer
AUTOSAR	Automotive Open System Architecture
SIP	Software Integration Package (as provided by Vector)

Table 3-2 Abbreviations

4 Contact

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