



Elektrobit

EB tresos[®] AutoCore Generic 8

Base documentation

release notes update for the EcuC module

product release 8.5.1



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Table of Contents

- 1. Overview 4
- 2. EcuC module release notes 5
 - 2.1. Change log 5
 - 2.2. New features 7
 - 2.3. EB-specific enhancements 7
 - 2.4. Deviations 7
 - 2.5. Limitations 8



1. Overview

This document provides you with the release notes to accompany an update to the EcuC module. Refer to the changelog [Section 2.1, “Change log”](#) for details of changes made for this update.

2. EcuC module release notes

- ▶ AUTOSAR R4.0 Rev 3
- ▶ AUTOSAR SWS document version: 4.0.3
- ▶ Module version: 5.0.12.B212454
- ▶ Supplier: Elektrobit Automotive GmbH

2.1. Change log

This chapter lists the changes between different versions.

Module version 5.0.12

2018-08-24

- ▶ ASCECUC-162 Fixed known issue: Postbuild loadable and selectable cannot be configured

Module version 5.0.11

2018-06-22

- ▶ Added version compatibility check macro for EcuC library

Module version 5.0.10

2018-05-25

- ▶ Added support for `PduLengthTypeEnum` in the range `uint16, uint32`
- ▶ Added support for meta data handling
- ▶ Added generic upper layer TP-API library

Module version 5.0.9

2018-02-16

- ▶ Updated configuration parameters for multi-core and BSW distribution support

Module version 5.0.8

2017-09-22

- ▶ Added configuration parameters for multi-core and BSW distribution support

Module version 5.0.7

2016-05-25

- ▶ Added configuration parameter for post-build variants

Module version 5.0.6

2015-01-07

- ▶ Changed maximum length of Pdu (PduLength) to 65535 Bytes

Module version 5.0.5

2013-10-11

- ▶ Added `postBuildChangeable` attribute and reworked config variant to `PostBuild`

Module version 5.0.4

2013-06-14

- ▶ Implemented tresosDB-style entity names for `REF` values

Module version 5.0.3

2012-10-12

- ▶ Updated to AUTOSAR 4.0 Rev 3

Module version 5.0.2

2012-06-15

- ▶ Implemented switches for optional containers on same tabs as lists

Module version 5.0.1

2012-01-20

- ▶ Limited range of `PduLengthTypeEnum` and `PduIdTypeEnum` to `uint16`

Module version 5.0.0

2011-09-02

- ▶ Initial AUTOSAR 4.0 version

2.2. New features

- ▶ Generic Pdu Meta Data Handling

Meta Data Handling based on RfC 65588 'MetaData handling above the RTE', see https://bugzilla.autosar.org/show_bug.cgi?id=65588 .

- ▶ Configuration of MetaData items via EcuC module (according to RfC 65588)
- ▶ Access to MetaData by dedicated EcuC functions/macros

2.3. EB-specific enhancements

This chapter lists the enhancements provided by the module.

- ▶ This module provides no EB-specific enhancements.

2.4. Deviations

This chapter lists the deviations of the module from the AUTOSAR standard.

- ▶ Configuration parameter `PduIdTypeEnum` is fixed to value `uint16`

Description:

The configuration parameter `PduIdTypeEnum` is fixed to value `uint16` and cannot be changed by users.

- Configuration parameter `PduLengthTypeEnum` has a limited configuration range

Description:

The configuration parameter `PduLengthTypeEnum` is only configurable in the range `uint16,uint32`.

- Non-compliant deviations in vendor-specific module definition file

Description:

The vendor-specific module definition file (VSMD) has non-compliant deviations to the AUTOSAR specification:

Violations against Rule `EcucSws_2132`: The attribute `postBuildChangeable` shall be only set to `true` if the corresponding container is a descendant subcontainer of the container that has the `multipleConfigurationContainer` attribute set to `true`.

- StMD-Node: `/AUTOSAR/EcuC/EcucPduCollection/Pdu`

Rationale: It shall be possible to change the Length of a Pdu at post build time, but the used AUTOSAR version has not foreseen a multiple Configuration Container.

Violations against Rule `EcucSws_1007`: For integer and float parameters the `MIN` values must be `>=` and the `MAX` values `<=` as in the StMD.

- StMD-Node: `/AUTOSAR/EcuC/EcucPduCollection/Pdu/PduLength`

Rationale: Due to new developments in AUTOSAR the maximum length of Pdus has been increased. The changes are implemented according to http://www.autosar.org/bugzilla/show_bug.cgi?id=57764 respectively ASR 4.2.1.

2.5. Limitations

This chapter lists the limitations of the module. Refer to the module references chapter *Integration notes*, subsection *Integration requirements* for requirements on integrating this module.

- For this module no limitations are known.