Elektrobit

Release Notes

EBtresosAutoCore: Cryptographic Primitive Library (Cpl)

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1. Cpl release notes

- AUTOSAR version and revision: 4.0.0 [revision 0003]
- AUTOSAR SWS version and revision: 1.2.0
- Module version: 1.3.2
- Supplier: Elektrobit Automotive GmbH

1.1. New features

- Decompression primitive "Adaptive Run-Length Encoding" has been added.

1.2. Limitations and deviations

This chapter lists the limitations of the module and its deviations from the AUTOSAR standard.

- No deviations have been reported with respect to the AUTOSAR specifications.
- The current implementation of LZMA algorithm do not support end of file marker.

  Description:

  When the compressed LZMA file is generated it must have the uncompressed data size specified in the header. In the current implementation the decompression will stop after all the data specified in the "uncompressed size" is processed and not when the end of file marker is reached.

1.3. Missing features

This chapter lists the not implemented features which are planed for the next release.

1.4. Change log

This chapter lists the changes between different versions.

Module version 1.3.2

2018-08-07

ID	ASCCPL-72
Description	Internal module improvement. This module version update does not affect module functionality

Module version 1.3.1

2016-11-15

ID	ASCCPL-61
Description	Fixed known issue: LZMA stops before all data is decompressed in case the last input byte has maximum compression ratio
Change Date	2016-10-20
Author	Bivolaru Catalin
Affected Versions	1.3.0
Class	Bug
Compatibility	-
Status	Fixed

ID	ASCCPL-62
Description	Fixed known issue: Cpl might read beyond input buffer limits in case of LZMA Decompression
Change Date	2016-11-15
Author	Bivolaru Catalin
Affected Versions	1.3.1
Class	Bug
Compatibility	-
Status	Fixed

Module version 1.3.0

2016-08-31

ID	ASCCPL-53

Description	Decompression primitive "Lempel-Ziv-Markov chain Algorithm" has been added.
Change Date	2016-08-10
Author	Bivolaru Catalin
Affected Versions	1.3.0
Class	Improvement
Compatibility	-
Status	Fixed

Module version 1.2.1

2016-02-26

ID	ASCCPL-43
Description	Improvef ARLE decompression.
Change Date	2016-02-26
Author	Simon Dürr
Affected Versions	1.2.1
Class	Improvement
Compatibility	-
Status	Fixed

Module version 1.2.0

2015-10-15

ID	ASCCPL-43
Description	Decompression primitive "Adaptive Run-Length Encoding" has been added.
Change Date	2015-10-10
Author	Simon Dürr
Affected Versions	1.2.0
Class	Improvement
Compatibility	-
Status	Fixed

Module version 1.1.0

2012-10-26

ID	ASCCPL-4, ASCCPL-5, ASCCPL-6, ASCCPL-7
Description	Decompression primitive "LZSS" has been updated, decompression primitive "RLE" has been added and compression primitives "LZSS" and "RLE" have been added.
Change Date	2012-10-26
Author	Danny Block
Affected Versions	1.1.0
Class	Improvement
Compatibility	-
Status	Fixed

Module version 1.0.0

2012-08-17

ID	ASCCPL-5
Description	The initial Cpl release with decompression primitive "LZSS" has been added.
Change Date	2012-08-17
Author	Danny Block
Affected Versions	1.0.0
Class	Improvement
Compatibility	-
Status	Fixed