

## Release Notes DlogClassic

Project BMW AUTOSAR 4 Core Rel. 3  
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 Status Release  
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## Revision History

Version	Date	Issues
5.3.1	2017-12-14	BAC-6570, BAC-6575, BAC-6620, BAC-6728, BAC-6709, BAC-6721, BAC-6731, BAC-6672
5.3.0	2017-11-09	BAC-6461, BAC-6363, BAC-6422, BAC-6362, BAC-6055
5.2.1	2017-10-12	BAC-6373
5.2.0	2017-09-14	BAC-6296, BAC-6223, BAC-6181, BAC-5169
5.1.0	2017-08-10	BAC-6172, BAC-6089, BAC-6082, BAC-6035
5.0.0	2017-06-29	

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## 1 Module Description

The DataLogistic is part of the BootManager, Bootloader and Application. It is needed for every ECU to • get production information • identify software and hardware • check compatibility of hardware and software • check compatibility of all software units (SWEs) • check at startup if the software is valid and may be started

## 2 Revisions and Modifications

### Revision 5.3.1 [Released]

Item	Description
CR ID:	BAC-6570
CR Headline:	Update NvM configuration in integration manual
Description of Issues:	Update NvM configuration in integration manual
Description of Changes:	Update NvM configuration in integration manual
Changed Files:	doc/DlogClassic_IntegrationManual.pdf
Compatibility:	

Item	Description
CR ID:	BAC-6575
CR Headline:	Update Sgbm-Entry in Dlog_Data after successfull flashing an swe
Description of Issues:	actually only the Bm updates this table. Therefore an read csvk direkt after CheckProgrammingDependencies does not show this newly flashed swe.
Description of Changes:	copy the SWE description from flash to RAM table in Dlog_SetSweValidState if SWE is valid
Changed Files:	src/Dlog_SweInit.c include/Dlog_SweStatus.h src/Dlog_SweStatus.c
Compatibility:	

Item	Description
CR ID:	BAC-6620
CR Headline:	Tidy up
Description of Issues:	Tidy up: * fix compiler warnings * remove unused defines and configuration switches * add missing config class specifications * remove compiler abstraction
Description of Changes:	Tidy up: * fix compiler warnings * remove unused defines and configuration switches * add missing config class specifications * remove compiler abstraction
Changed Files:	generate/src/Dlog_HweTable.c.pgen include/Dlog_Swe.h generate/include/Dlog_UDSAdapterAdd.h.pgen include/Dlog_User.h

	include/Dlog_TimingParameters.h src/Dlog_UserAdapter.c generate/src/Dlog_SweTable.c.pgen generate/include/Dlog_PBCfg.h.pgen generate/include/DlogClassic_Cfg.h.pgen generate/pageinclude/Dlog_Help.pgen generate/include/Dlog_Nvm.h.pgen generate/src/Dlog_Nvm.c.pgen generate/meta/Dlog_ext_interfaces.arxml.pgen cfgdesc/DlogClassic_paramdef.arxml generate/src/Dlog_UDSAdapter.c.pgen include/Dlog_BluSweCheckSum.h include/Dlog_Ecu.h generate/meta/Dlog_internal.arxml.pgen
Compatibility:	

Item	Description
CR ID:	BAC-6728
CR Headline:	Fix limits of Flash Timing Parameters
Description of Issues:	Fix limits of Flash Timing Parameters
Description of Changes:	Fix limits of Flash Timing Parameters
Changed Files:	src/Dlog_Swe.c
Compatibility:	

Item	Description
CR ID:	BAC-6709
CR Headline:	Dlog: Rename HWE Table structure element "sgmbld"
Description of Issues:	In file "Dlog_HweTable.h" you find the HW Table structure. Within you find several structures and type definitions like "Dlog_HweInfoRomType". Included here is a uint8 element called "sgmbld". It's supposed to be named "Sgbmld" like in SP2018 and in the Lastenheften (e.g. FP2_2426ff).
Description of Changes:	fix typo: rename sgmbld to sgbmld
Changed Files:	generate/src/Dlog_HweTable.c.pgen generate/include/Dlog_HweTable.h.pgen
Compatibility:	

Item	Description
CR ID:	BAC-6721
CR Headline:	Dlog: handle BlockProtection DlogSvkHistory
Description of Issues:	The NvMBlock DlogSvkHistory is write-protected. So writeprotection must be unset before write and set after. Or integrationmanual entry for this block must be corrected.
Description of Changes:	set NvMBlockWriteProt to False for Svk History blocks in integration manual
Changed Files:	doc/DlogClassic_IntegrationManual.pdf

Compatibility:	
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Item	Description
CR ID:	BAC-6731
CR Headline:	Dlog: SvkBackupSize wrong calculated in ext_interfaces
Description of Issues:	Calculation uses old fingerprintlength. Use short fingerprint length 4.
Description of Changes:	fix calculation of SvkBackupSize in Dlog_ext_interfaces.arxml.pgen
Changed Files:	generate/meta/Dlog_ext_interfaces.arxml.pgen
Compatibility:	

Item	Description
CR ID:	BAC-6672
CR Headline:	Dlog - version info not checked at compile time
Description of Issues:	Unlike for most other BAC modules the version information from the CommonPublishedInformation container is not validated at compile time in Dlog & DlogShared.
Description of Changes:	add missing version checks
Changed Files:	src/Dlog_UserAdapter.c src/Dlog_NvMAdapter.c generate/include/DlogClassic_Version.h.pgen
Compatibility:	

## Revision 5.3.0 [Released]

Item	Description
CR ID:	BAC-6461
CR Headline:	DlogClassic: Dlog_Data shall not be initialized
Description of Issues:	The problem is here that for some compilers (e.g. TASKING) the *Dlog_Data* variable will be seen as an initialized variable and put therefore to a *.data* section. As the other variables *Dlog_SweStatus* and *Dlog_SweInfos* are uninitialized they will be put into the *.bss* section. This makes it ugly to map it accordingly to a shared section between Appl, BM and Btld.
Description of Changes:	remove initialization of Dlog_Data
Changed Files:	src/Dlog_SweStatus.c
Compatibility:	

Item	Description
CR ID:	BAC-6363
CR Headline:	New DLOG API to set/withdraw bootloader boot target

Description of Issues:	For the ethernet parallel flash mode functionality (aka c3 flag), EthDiagMM needs an API from Dlog to indicate, whether next boot target should be bootloader and a corresponding API, to withdraw this "wish". The C3/PFM flag is now (as of BAC4 Rel3) persisted/stored by EthDiagMM itself, but IF set, the ECU shall come up in Bootloader. The current idea is, that EthDiagMM always calls Dlog with this new/to be introduced API, whenever this PFM-value (and therefore the need to start up in bootloader) changes.
Description of Changes:	changed BootMode such that different users can request or unrequest bootloader
Changed Files:	include/Dlog_BootMode.h src/Dlog_BootMode.c
Compatibility:	

Item	Description
CR ID:	BAC-6422
CR Headline:	Bs, Dlog, Pia: Schema of paramdefs, paramconfs and SWCDen should be AUTOSAR_4-3-0_STRICT_COMPACT.xsd
Description of Issues:	Schema of paramdefs, paramconfs and SWCDen should be AUTOSAR_4-3-0_STRICT_COMPACT.xsd
Description of Changes:	change arxml schema to AUTOSAR_4-3-0_STRICT_COMPACT.xsd
Changed Files:	generate/meta/Dlog_internal.arxml.pgen cfgdesc/DlogClassic_paramdef.arxml generate/meta/Dlog_interfaces.arxml.pgen generate/meta/Dlog_ext_interfaces.arxml.pgen
Compatibility:	

Item	Description
CR ID:	BAC-6362
CR Headline:	Adapt to new postbuild variant handling
Description of Issues:	adapt to new postbuild variant handling
Description of Changes:	adapt to new postbuild variant handling
Changed Files:	generate/include/Dlog_PBCfg.h.pgen generate/src/Dlog_PBCfg.c.pgen
Compatibility:	

Item	Description
CR ID:	BAC-6055
CR Headline:	Improve handling of DLOG_SWFK_DELSUP_AVAILABLE
Description of Issues:	At the moment DLOG_SWFK_DELSUP_AVAILABLE is set to STD_OFF.
Description of Changes:	move DLOG_SWFK_DELSUP_AVAILABLE back to classic since in adaptive it will be a postbuild parameter
Changed Files:	generate/include/Dlog_CfgCommon.h.pgen

Compatibility:	
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### Revision 5.2.1 [Released]

Item	Description
CR ID:	BAC-6373
CR Headline:	Dlog: RDBI 0xf152 has only two bytes, not three
Description of Issues:	RDBI 0xf152 has only two bytes, not three as described in integration manual
Description of Changes:	fix size of RDBI 0xf152 in integration manual
Changed Files:	doc/DlogClassic_IntegrationManual.pdf
Compatibility:	

### Revision 5.2.0 [Released]

Item	Description
CR ID:	BAC-6296
CR Headline:	Description of RDBI commands outdated in integration manual
Description of Issues:	Description of RDBI commands outdated in integration manual.
Description of Changes:	Fix RDBI commands in integration manual
Changed Files:	doc/DlogClassic_IntegrationManual.pdf
Compatibility:	

Item	Description
CR ID:	BAC-6223
CR Headline:	Usage of IMPLEMENTATION-CONFIG-CLASSES is deprecated and shall be replaced by VALUE-CONFIG-CLASSES according to ASR4.2.2
Description of Issues:	TPS_ECUC_06051 is removed from spec. In schema AUTOSAR_4-2-2.xsd IMPLEMENTATION-CONFIG-CLASSES is marked as deprecated. That means: IMPLEMENTATION-CONFIG-CLASSES/IMPLEMENTATION-CONFIG-CLASS has to be replaced by VALUE-CONFIG-CLASSES/VALUE-CONFIG-CLASS entirely within paramdefs!
Description of Changes:	fix config classes in paramdef.arxml file
Changed Files:	cfgdesc/DlogClassic_paramdef.arxml
Compatibility:	

Item	Description
CR ID:	BAC-6181
CR Headline:	Tidy up
Description of Issues:	Tidy up: - remove dependency to Srv in comment - remove remains of VirtualCPU - remove remains of RSU - remove remains of write fingerprint - remove dead code - fix file headers - fix compiler warnings

Description of Changes:	Tidy up: - remove dependency to Srv in comment - remove remains of VirtualCPU - remove remains of RSU - remove remains of write fingerprint - remove dead code - fix file headers - fix compiler warnings
Changed Files:	src/Dlog_SweInit.c src/Dlog_Swe.c include/Dlog_Swe.h src/Dlog_TimingParameters.c generate/include/Dlog_CfgCommon.h.pgen generate/include/Dlog_UDSAdapterAdd.h.pgen generate/include/Dlog_SweTable.h.pgen generate/src/Dlog_SweTable.c.pgen src/Dlog_SweGet.c src/Dlog_SweException.c generate/pageinclude/Dlog_Help.pgen include/Dlog_Memory.h src/Dlog_Memory.c src/Dlog_Ecu.c include/Dlog_Ecu.h
Compatibility:	

Item	Description
CR ID:	BAC-5169
CR Headline:	Some (most?) BAC modules paramdef violate TPS_ECUC_06004
Description of Issues:	According to AUTOSAR TPS_ECUCConfiguration there is the following requirement: [TPS_ECUC_06004] AdminData field in ECU Configuration Parameter Definition XML file d An AdminData field is required at the beginning of every ECU Configuration Parameter Definition XML file (regardless whether it is the StMD or the VSMD file) to allow the setting of AdminData for the whole XML File. c() Most of our modules fail to define the AdminData Element (just saw it in Darh - and here the element contains mixed info to be fixed). It is somehow weird as we then will define version info within CommonPublishedInformation AND AdminData - but as it is formally required, we have to follow it.
Description of Changes:	add AdminData to paramdef file
Changed Files:	cfgdesc/DlogClassic_paramdef.arxml
Compatibility:	

## Revision 5.1.0 [Released]

Item	Description
CR ID:	BAC-6172
CR Headline:	Tidy up

Description of Issues:	Tidy up: - remove remains of first start flag - remove random seed - remove remains of prog counter - fix compiler warnings
Description of Changes:	Tidy up: - remove remains of first start flag - remove random seed - remove remains of prog counter - fix compiler warnings
Changed Files:	src/Dlog_Swe.c include/Dlog_Swe.h include/Dlog_Rte2C.h generate/include/Dlog_CfgCommon.h.pgen generate/meta/Dlog_internal.arxml.pgen generate/src/Dlog_PBCfg.c.pgen generate/src/Dlog_UDSAdapter.c.pgen generate/include/DlogClassic_Cfg.h.pgen generate/src/Dlog_Nvm.c.pgen generate/meta/Dlog_ext_interfaces.arxml.pgen cfgdesc/DlogClassic_paramdef.arxml src/Dlog_Ecu.c include/Dlog_Ecu.h generate/meta/Dlog_interfaces.arxml.pgen
Compatibility:	

Item	Description
CR ID:	BAC-6089
CR Headline:	Bm/Dlog inconsistent defines Blu does not start
Description of Issues:	Bm/Dlog inconsistent defines Blu does not start
Description of Changes:	return consistent application for programming dependency state in case of BLU
Changed Files:	src/Dlog_SweInit.c src/Dlog_SweGet.c
Compatibility:	

Item	Description
CR ID:	BAC-6082
CR Headline:	BAC43 Dlog dependency to Srv
Description of Issues:	remove Dlog dependency to Srv
Description of Changes:	remove/fix references to Srv
Changed Files:	cfgdesc/DlogClassic_paramdef.arxml include/Dlog_BluSweChecksum.h
Compatibility:	

Item	Description
CR ID:	BAC-6035
CR Headline:	Dlog: SERVER-ARGUMENT-IMPL-POLICY should be set to USE-ARRAY-BASE-TYPE



Description of Issues:	SERVER-ARGUMENT-IMPL-POLICY should be set to USE-ARRAY-BASE-TYPE in all C/S-Interface-Operation-Parameters that are of array type.
Description of Changes:	change SERVER-ARGUMENT-IMPL-POLICY to USE-ARRAY-BASE-TYPE
Changed Files:	generate/meta/Dlog_interfaces.arxml.pgen generate/meta/Dlog_ext_interfaces.arxml.pgen
Compatibility:	

### Revision 5.0.0 [Released]

Item	Description
CR ID:	
CR Headline:	Initial Release for SP2021
Description of Issues:	Initial Release for SP2021
Description of Changes:	Initial Release for SP2021
Changed Files:	
Compatibility:	