Document Title	SWS_BSWGeneral: Complete Change Documentation 4.3.0 - 4.3.1
Document Owner	AUTOSAR
Document Responsibility	AUTOSAR
Document Identification No	695

Document Status	Final
Part of AUTOSAR Standard	Classic Platform
Part of Standard Release	4.3.1

Table of Contents

1 SWS_BSWGeneral

1.1 Specification Item SWS_BSW_00059

Trace References:

SRS_BSW_00402, SRS_BSW_00003, SRS_BSW_00379, SRS_BSW_00374, SRS_BSW_00318, SRS_BSW_00407

Content:

The Published information of the BSW Module shall be provided within all header files by defining pre-processor directives (#define) and protect them against multiple definition. The preprocessor identifier is formed in the following way:

<MIP>_<PI>

Where <PI> is the according Published information element name. The module shall provide definitions for the Published information elements listed in the table below. These definitions shall have values with range as specified in this table:

Published information elements		
Information element	Type / Range	Information element description
<MIP>_VENDOR_ID	#define/uint16	Vendor ID (vendorId) of the dedicated implementation of this module according to the AUTOSAR vendor list. The ID is the same as in HIS Software Supplier Identifications REF.
<MIP>_MODULE_ID	#define/uint16	Module ID of this module, as defined in the BSW Module List [REF].
<MIP>_AR_RELEASE_MAJOR_VERSION	#define/uint8	Major version number of AUTOSAR release on which the appropriate implementation is based on.
<MIP>_AR_RELEASE_MINOR_VERSION	#define/uint8	Minor version number of AUTOSAR release on which the appropriate implementation is based on.
<MIP>_AR_RELEASE_REVISION_VERSION	#define/uint8	Revision version number of AUTOSAR release on which the appropriate implementation is based on.
<MIP>_SW_MAJOR_VERSION	#define/uint8	Major version number of the vendor specific implementation of the module. The numbering is vendor specific.
<MIP>_SW_MINOR_VERSION	#define/uint8	Minor version number of the vendor specific implementation of the module. The numbering is vendor specific.
<MIP>_SW_PATCH_VERSION	#define/uint8	Patch level version number of the vendor specific implementation of the module. The numbering is vendor specific.

The Published information is configured in the BSW Module Description [REF] for this module.

RfCs affecting this spec item between releases 4.3.0 and 4.3.1:

- RfC #73567: [diverse] references to HIS

  Problem description:

  The HIS website is no more available.
  We should check what is the impact on the AUTOSAR documents.

  There is already RfC 64155 which will make us rid of some references, but I assume some will remain:
  * SHE
  * list of vendor IDs
  * IO driver API
  * bootloader

  ...

  I tried to list the document where teh HIS reference will survive RfC 64155 to avoid duplicate ITs.

  Agreed solution:

  Generic approach for the solutions (to be refined per document by documents owners (see below)
  * Check the need for an external reference
  * Try to find a replacement
  * Backup: ask PL solution

  AUTOSAR_SRS_BSW_GENERAL
  =========================
  Create new reference to the AUTOSAR Vendor ID List in §6.1:
  [VENDOR_ID_LIST] AUTOSAR Vendor ID List
  https://www.autosar.org/documents/vendor-id/

  SRS_BSW_00374:
  Remove reference "(according to HIS)" in the Description
  Supporting Material:
  replace reference "HIS Software Supplier Identifications [STD_HIS_SUPPLIER_IDS]"
  to "AUTOSAR Vendor ID List [VENDOR_ID_LIST]"

Remove Chapter 6.2.2 HIS

SRS_COM
========
Remove Chapter 7.4 HIS
(the reference is not used anymore)

SRS_CryptoStack
===============
Remove abbreviation SHE from table in chapter 3 Acronyms and abbreviations

SRS_DIODriver
=============
Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations.

SRS_EEPROMDriver
================
Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations.
Remove chapter 6.2 Related standards and norms.

SRS_FlashDriver
===============
- remove HIS from list of abbreviations
- remove requirement SRS_Fls_12083
- remove HIS Flash Driver document from reference list

SRS_FlashTest
=============
- Remove HIS from the table of acronyms in chapter 3

SRS_GPTDriver
=============
- Remove abbreviation HIS from table in chapter 4 Acronyms and abbreviations
- Remove from Chapter 7.2 the reference "[5] HIS API I/O Driver Specification
www.automotive-his.de/results/ API_IODriver_2.1.3.pdf".

SRS_ICUDriver
==============
- Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations
- Remove Chapter 7.1.1 HIS

SRS_IOHWAbstraction
===================
Remove chapter 7.2 Related standards and norms.

SRS_MCUDriver
==============
- Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations
- Remove from Chapter 7.2 the reference "[5] HIS API I/O Driver Specification www.automotive-his.de/results/ API_IODriver_2.1.3.pdf".

SRS_NetworkManagement
=====================
- Remove section 7.2.2 "HIS"

SRS_OCUDriver
==============
- Remove abbreviation HIS from table in chapter 2 Acronyms and abbreviations
- Remove whole chapter 5.2 Related standards and norms (including the single subchapter 5.2.1 HIS)

SRS_OS
=======
- Remove abbreviation HIS from table in chapter 2.2 Acronyms and abbreviations
- Remove chapter 5.2.2 HIS

SRS_PortDriver
===============
- Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations
- Remove reference [STD_HIS_IO_DRIVER] in chapter 6.1 Deliverables of AUTOSAR "[STD_HIS_IO_DRIVER] HIS API IO Driver, V2.1.3, April 29th, 2004, http://www.automotive-his.de/download

API_IODriver_2_1_3.pdf"
- Remove chapter 6.2 Related standards and norms

SRS_PWMDriver
==============
- Remove abbreviation HIS from table in chapter 4 Acronyms and abbreviations
- Remove Supporting Material for requirement SRS_Pwm_12299

SRS_RAMTest
===========
- Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations

SRS_SPALGeneral
===============
- Remove HIS from acronym table in chapter 3
- Set "Supporting Material:" of SRS_SPAL_12163 to –
- Remove section 7.2 "Related standards and norms"

SRS_SPIHandlerDriver
====================
- Remove abbreviation HIS from table in chapter 3 Acronyms and abbreviations

SRS_WatchdogDriver
==================
Remove from Chapter 7.2 the reference "[5] HIS API I/O Driver Specification
www.automotive-his.de/results/ API_IODriver_2.1.3.pdf".

SRS_ADCDriver
=============
- Remove chapter 7.2 Related standards and norms.
- Remove abbreviation HIS from table in chapter 4 Acronyms and abbreviations

SRS_DIAGNOSTIC
==============
Remove in SRS_Diag_04098 the part of the sentence : "(according HIS [FL-504])"

SWS_BSWGeneral
================
- Remove HIS from section 3.2 "Related standards and norms"
- Remove the sentence "The ID is the same as in HIS Software Supplier Identifications [19]." from the description of the line "<MIP>_VENDOR_ID" in SWS_BSW_00059

SWS_DiagnosticCommunicationManager
================
Remove last 3 occurrences sentences in SWS_Dcm_00988:
"HIS representation of FL_ExtProgRequestType".
"HIS representation of FL_ApplicationUpdateType."
"HIS representation of FL_ResponseRequiredType."

SWS_DIODriver
==============
Remove chapter 3.2 Related standards and norms.

SWS_EEPROMDriver
=================
Remove chapter 3.2 Related standards and norms.

SWS_FlashDriver
================
- remove SRS_Fls_12083 from traceability Matrix (should be done automatically by the update)
- remove HIS Flash Driver document from reference list

SWS_FlexRayDriver
==================
- Remove HIS from abbreviation table in chapter 2

SWS_FlexRayISOTransportLayer
============================
- Remove HIS from acronym table in chapter 2
- Remove reference to HIS MISRA subset from section 3.2

SWS_FlexRayTransceiverDriver
==============================
- remove HIS from table Acronyms and abbreviations

SWS_OS
=======
- remove HIS from table in chapter 2 "Acronyms and abbreviations"
- remove chapter 3.2.2 "HIS" completely
- remove reference to HIS document in chapter 4.1 ("HIS Protected OSEK")

SWS_XCP
========
- Remove abbreviation HIS from table in chapter 2 Acronyms and abbreviations
–Last change on issue 73567 comment 49–

BW-C-Level:

Application	Specification	Bus
1	1	1