# Release Information

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| List | Company / Team | Name | Product | Release date | Car type / Step |
| Distribute center information | NIDEC / SOFTWARE | LEE HOJIN | m.Classic 1.0 | 2024-05-21 | RS4\_PE / PROTO |
|  |  |
| Distributor  Information | Hyundai Autoever/Automotive SW Consolidation Technology Team  (Team leader) | INWON  KANG |
| Hyundai Autoever/ Automotive SW Consolidation Technology Team  (Distributor) | BYUNGGYU MIN |

# Outputs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Version | Outputs | Type | Note |
| 1 | 2.1.0 | SWP Release Packge | SWP Library |  |
| 2 | 2.1.0 | SWP Test Report | Document | Package included |
| 3 | 4.1.1 | Errata CheckList | Document | Package included |
| 4 | 2.1.0 | ModuleList | Document | Package included |
| 5 |  | SWP User Manual | Document | Package included |

* In case of Module Patch, the product is not applicable.

# SWP SRS(Requirement) applied information

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| --- | --- | --- |
| # | Details | |
| 1 | 요구사항 | Initial Release |
| 변경내용 | Initial Release |

* Details of changes can be checked by comparing the file with the previous version.

# Changes outside of SWP SRS

|  |  |  |
| --- | --- | --- |
| # | Details | |
| 1 | 변경목적 | FBL3.0 및 HAEMODULE 적용 |
| 변경내용 | FBL3.0 및 HAEMODULE 적용 |

* Details of changes can be checked by comparing the file with the previous version.

# SWP Module changes

Reference <ModuleList> file

## 5.1 Ir-Regular version notice

|  |  |  |
| --- | --- | --- |
| # | Module | Version |
| 1 | b\_pf\_autosar\_diag\_Det\_R40 | 1.0.8.1 |
| 2 | b\_pf\_autosar\_HwResource | 1.2.0.1 |
| 3 | b\_pf\_autosar\_imp\_Os\_cytxxx | 2.1.3.1 |
| 4 | b\_pf\_autosar\_Rte\_R40 | 4.11.1.1 |
| 5 | b\_pf\_autosar\_sys\_Crc\_R40 | 1.3.9.1 |
| 6 | Crypto\_76\_HaeModule\_R44 | 1.0.3.4 |
| 7 | b\_pf\_autosar\_sys\_Os\_cytxxx\_R40 | 2.4.4.2 |
| 8 | autosar\_integration\_Mcal\_CYTxxx | 1.1.0.1 |
|  |  |  |

* The version of the module included in the list above is a test SW provided for pre-checking and operational verification.  
  This SW is an unverified version and errors may exist.  
  This SW cannot be used for controller delivery or actual road.  
  Be sure to use the official distribution SW that will be available in the future.  
    
  \* The official version is when the C (3rd) version is updated in A.B.C.D.  
  e.g. Module-1.0.0.1 -> 1.0.1.0 (the next official version)  
    
  \* The update notice will be posted on the site below, so please request an official version of each issue management project.  
  Classic 1.0 (R40) :

<https://swpsupport.hyundai-autoever.com/projects/swp_module_baseline_release/boards/29>

Classic 2.0 (R44) :

<https://swpsupport.hyundai-autoever.com/projects/swp_module_baseline_release/boards/33>

# Notes

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| --- | --- |
| # | Details |
| 1 | Applied mobilgene version : mobilgene C Studio Hybrid 2023-R5.0.0 |
| 2 | Applied SRS Version file (please ref from Reference\Doc\SRS)  : SRS\_AUTOSAR\_platform\_project\_template\_CYT2BL4CAAQ0AZSGS\_unlock\_Autoever\_Checked.xlsm |
| 3 | Applied version of crypto libraries  - HAE\_ASK : v1.2.2  - HAE\_CryptoLib : v1.7.2  - HAE\_HSM : v2.8.0  - HAE\_SFM : v2.0.1.1  **※If you are using FBL 3.0, please check contents (7 to 9) related to FBL 3.0 in <7. SWP Notice.>** |

# SWP Notice

|  |  |
| --- | --- |
| # | Details |
| 1 | **Since the reference code is provided as an example of the application SWC using the platform service, the responsibility for implementation and verification should be performed by the application.** |
| 2 | **For information on deploying MCAL, see**  [**http://swpsupport.hyundai-autoever.com/projects/swp\_module\_baseline\_release/boards/20**](http://swpsupport.hyundai-autoever.com/projects/swp_module_baseline_release/boards/20)  **It can be received in real time through the bulletin board, and detailed changes (release notes, etc.) can be received by requesting the MCAL supplier or AutoEver.** |
| 3 | **Module FAQ can be checked in**  [**https://swpfaq.hyundai-autoever.com/index.action**](https://swpfaq.hyundai-autoever.com/index.action)  **You can check the latest information about module addition, deletion, and setting change guide.** |
| 4 | **When ‘OTA redundancy dual Mem’ is applied, the Physical Request (Phyical Rx Msg) among DCM diagnosis Msg is set and deliveryed as Basic CAN FiFo.** |
| 5 | **When delivering SWP, ‘The HMC Security lib’ is not sent directly, but in the form of Dummy Crypto. For the ‘HSM and Security lib’ inquiries, please refer to the contact information below. (HKMC\_Security\_Module@hyundai-autoever.com)** |
| 6 | **Information on horizontal development issues(수평전개사항) can be checked through the bulletin board below.**  **SWP will inform you about major configuration changes and module critical Issues after SWP distribution.**  [**http://swpsupport.hyundai-autoever.com/projects/swp\_module\_baseline\_release/boards/36**](http://swpsupport.hyundai-autoever.com/projects/swp_module_baseline_release/boards/36) |
| 7 | **For project with FBL 3.0, use the Crypto Driver that will be officially released.** |
| 8 | **For FBL 3.0.**  **When using the new CryptoLib 1.7.2 or later, the CryptoLib is requested by aSIMS,**  **Crypto Driver for AUTOSAR (module name: Crypto\_76\_HaeModule\_R44) is required.**  **This will be provided and announced in patch delivery in the future.**  **In other words, when applying CrptoLib 1.7.2 or later,**  **Crypto Driver for AUTOSAR (module name: Crypto\_76\_HaeModule\_R44) is required.**  **Crypto\_76\_HaeModule\_R44 is provided form of Patch delivery.** |
| 9 | **Information on FBL Update in FBL 3.0.**  **1) FBL update is provided for OTA memory swap applied ECU targeting MMU type MCU.**  **2) If FBL Update and multi-Secure Boot support are required, they are not supported in the current HSM 2.6.X.**  **- HSM will be developed to support multi-Secure Boot from HSM 2.8.X version.**  **- HSM 2.8.X is scheduled to be supported around February 2024.**  **- For any related inquiries, please contact by email. (HKMC\_Security\_Module@hyundai-autoever.com)** |
| 10 | **[Using MCAL 3.0.0 on S32K312 MCU] When the core clock is 120MHz, DCF record programming is written on the FAQ site.**  **- Link: https://swpsupport.hyundai-autoever.com/boards/3/topics/3952**  **- Title:** **[NXP\_HSE][S32K312][MCAL 3.0.0] CORE\_CLK 120MHz 사용 시, 제어기 내 DCF Writing 적용**  **If the content is not applied, HSE reset will occur, so it is mandatory.**  **For more related information, please contact to NXP.** |

# SWP Deployment History

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| --- | --- | --- |
| # | Date | Version |
| 1 | 2024-05-21 | V2.1.0 Release  1. Initial Release  2. FBL3.0 및 HAEMODULE 적용 |

# Checklist

1. **Distributor Checklist**

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| --- | --- | --- | --- | --- |
| # | Check Items | Version | OK/NotOK/NA | Note |
| 1 | Have you done SWP testing?  (Check whether the Test Report is implemented) | Sample version: 2.1.0 | OK |  |
| 2 | Have you reviewed the MCU Errata Sheet? (Check whether the Errata Sheet is implemented) | Errata sheet Version:  4.1.1 | OK |  |

1. **PM Checklist**

|  |  |  |  |
| --- | --- | --- | --- |
| # | Check Items | OK/NotOK/NA | Note |
| 1 | Check SWP Deployment Configuration Items | OK |  |
| 2 | Item (Check Approval Process) | OK |  |

# Approval

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| List | Team | Name | Date | Signature | Note |
| PM | Automotive SW Consolidation Technology Team | INWON KANG | 20240521 | **Signed** |  |
| Team Leader | Automotive SW Consolidation Technology Team | INWON  KANG | 20240521 | **Signed** |  |