

License Number

CBD1400501

Customer

Nexteer Automotive Corporation
Package: FBL Gm SLP5
Micro: TMS5700714PGEQQ1
Compiler: TI Code Composer 4.9.5

Maintenance Expiry Date

2015-02-01

SIP Delivery Date

2014-12-24

SIP Version

05.03.02

SLP

FBL Gm SLP5

Delivery Number

D00

Report Creation Date

2015-02-25

Contact

In case of questions or the need for an update of the basic software delivery, please contact fblsupport@us.vector.com or your Vector contact person.

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1. Introduction

1.1 Resolving Issues

Reported issues are not necessarily fixed automatically by the next update delivery. If some of the reported issues shall be fixed, please contact Vector to establish an agreement about issues that shall be fixed in upcoming deliveries. Please note that Vector may fix additional issues without explicit request.

1.2 Issue Classification

This Issue Report provides issues that have been detected since the last report. The issues have been classified to facilitate the assessment of their impact:

The chapter 'New Issues' lists issues that have been detected since the last report and which could not be excluded based on the use-case defined in the questionnaire. The issues are classified as follows:

- **Runtime Issues without Workaround:** Runtime issues without a workaround require an update of the basic software delivery in case the issue affects the ECU overall functionality. The effect of an issue to the ECU functionality has to be analyzed by the customer as the basic software usage and its configuration is not known by Vector. The risk of change has also to be taken into account.
- **Runtime Issues with Workaround:** It is not recommended to update a delivery due to a runtime issue with a documented workaround. The effect of an issue to the ECU functionality has to be analyzed by the customer as the basic software usage and its configuration is not known by Vector. The risk of change has also to be taken into account.
- **Compiler Warnings:** As a service we report the known compiler warnings. The occurrence of a compiler warning may depend on the used configuration and compiler settings.

The chapter 'New Issues for Information' lists issues that are not relevant for the use case that has been documented in the questionnaire provided to Vector. The issues may, however, be relevant for other use cases. Additionally, issues that have been accepted or are tolerated by the OEM (as defined in the questionnaire) are reported here.

2. New Issues

2.1 Runtime Issues without Workaround

The lists contain issues that have been detected since the last report and which could not be excluded based on the use-cases defined in the questionnaire (see chapter 'New Issues for Information').

2.2 Runtime Issues with Workaround

It is not recommended to update a delivery due to a runtime issue with a documented workaround. The effect of an issue to the ECU functionality has to be analyzed by the customer as the basic software usage and its configuration is not known by Vector. Thereby the risk of change has also to be taken into account.

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ESCAN00078391	Tester timeout when no response pending from application previous to \$34 while parsing Sba ticket in bootloader FBL_TechRef_Gm@Doc_TechRef
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ESCAN00078391 Tester timeout when no response pending from application previous to \$34 while parsing Sba ticket in bootloader

Component@Subcomponent: FBL_TechRef_Gm@Doc_TechRef

First affected version: 5.00.00

Fixed in versions: 5.01.00

Problem Description:

What happens (symptoms):

When updating the application, the tester connection may be lost due to P2 response pending timeout.

When does this happen:

This may happen if the SBA-ticket signature is verified while transitioning from application to bootloader.

Note: Signature verification will only be done, if the verification entry checks for e.g. valid Module ID, ECU-ID succeed (COND_SBA_TICKET_LOADED).

The \$36 response has to come within 100ms.

This can be hold for some controller if COND_SBA_TICKET_LOADED does not apply. Therefore you might have such a configuration in theory.

If COND_SBA_TICKET_LOADED applies connection will be lost if your controller requires more than some ms for verification (usually the case), however.

In which configuration does this happen:

Always, when COND_SBA_TICKET_LOADED applies.

Resolution Description:

Workaround:

Send a response pending message from application previous to \$34.

Resolution:

No resolution in bootloader possible (only in application user code implementation of transition).

2.3 Apparent Issues

Apparent issues are detected immediately when using the basic software. If an issue does not show up while working with the basic software the ECU project is not affected by the issue. Apparent issues may or may not have workarounds.

No issue to be reported.

2.4 Compiler Warnings

As a service we also provide the known compiler warnings. The occurrence of a compiler warning may depend on the used basic software configuration and compiler settings.

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ESCAN00064938	Compiler warning: implicit arithmetic conversion from 'unsigned int' to 'unsigned char' FbITp_Iso@Implementation
ESCAN00077761	Compiler warning: Conversion from integer to smaller pointer SysService_SecModHis@Impl_Verification

ESCAN00064938 Compiler warning: implicit arithmetic conversion from 'unsigned int' to 'unsigned char'

Component@Subcomponent: FbITp_Iso@Implementation

First affected version: 3.00.00

Fixed in versions:

Problem Description:

What happens (symptoms):

Compiler warns of implicit arithmetic conversion from 'unsigned int' to 'unsigned char'

When does this happen:

The warning is issued by the compiler during compilation of the code in case the configuration is as described below.

In which configuration does this happen:

When FBL_TP_ENABLE_TX_FRAME_PADDING or FBL_TP_ENABLE_VARIABLE_TX_DLC is enabled

Resolution Description:

Workaround:

No workaround available.

Resolution:

The described issue is corrected by modification of all affected work-products.

ESCAN00077761 Compiler warning: Conversion from integer to smaller pointer	
Component@Subcomponent:	SysService_SecModHis@Impl_Verification
First affected version:	2.00.00
Fixed in versions:	
Problem Description:	
What happens (symptoms):	

Compiler warns: Conversion from integer to smaller pointer	
Example for IAR compiler:	
pWorkspace = (V_MEMRAM1 SEC_VERIFY_CLASS_CCC_WORKSPACE_TYPE V_MEMRAM2 V_MEMRAM3 *)pVerifyParam->currentHash.sigResultBuffer;	
D:\usr\usage\Delivery\CBD14x\CBD1400332\D01\external\BSW\SecMod\Sec_Verification.c",1335	
Warning[Pe1053]: conversion from integer to smaller pointer	
When does this happen:	

The warning is issued by the compiler during compilation of the code in case the configuration is as described below.	
In which configuration does this happen:	

Always.	
Resolution Description:	
Workaround:	

No workaround available.	
Resolution:	

The described issue is corrected by modification of all affected work-products.	

3. New Issues for Information

Issues which should not have an effect on the usage of the license as the issues are relevant for use cases other than those defined in the questionnaire. The list contains issues that have been detected since the last report.

Issues listed in this section are not relevant for the use case that has been documented in the questionnaire provided to Vector. However, the issues may be relevant for other use cases. Also issues that have been accepted or are tolerated by the OEM (as defined in the questionnaire) are reported here.

No issue to be reported.

4. Report Legend

Issue Report	
Report Creation Date 2011-02-25	
Index ESCAN0002257 Headline describes symptoms and consequences of the Issue in one sentence <small>DrvCan_baseAsr@GenTool_GeneratorGenv</small>	
ESCAN0002257 Headline describes symptoms and consequences of the Issue in one sentence	
Component@Subcomponent: DrvCan_baseAsr@GenTool_GeneratorGenv First affected version: _____ Version fixed: _____ Problem Description: What happens (symptoms): ----- // to be removed: Describe FROM CUSTOMERS NON TECHNICAL POINT OF VIEW, - which symptoms one will get if this issue occurs? - How can the issue be seen? - if it cannot be seen, how can the customer detect it? - what happens AFTER the issue occurred? - What is the consequence, the implication? Consider the following questions: If the issue is TEMPORARY: Does the issue cause the malfunction once but after that ECU continues to work and probably works correctly? In which situation (ECU reset / wakeup) does the ECU recover? If the issue is PERMANENT: ECU is blocked until Watch-Dog reset. ECU blocked forever and Watch-Dog cannot help. When does this happen: ----- // to be removed: Describe FROM CUSTOMERS NON TECHNICAL POINT OF VIEW, which circumstances, operational situations, API function calls lead to the issue. With this information the customer wants to find out, whether he is affected by this issue or not. Consider the following questions: When (during runtime) does the issue occur and how can the customer find the issue? (1) Always and immediately (2) Only under specific circumstances (describe them) (3) Rarely, very rarely or unlikely Can the probability of occurrence of the issue be estimated? In which configuration does this happen: ----- // to be removed: Describe FROM CUSTOMERS POINT OF VIEW, which configurations of e.g. GenTool, database (attributes), OEM, compiler, components, ... lead to the issue. Resolution Description: Workaround: ----- No workaround available. // to be removed: If there is a workaround available, please replace the default text. Describe FROM CUSTOMERS POINT OF VIEW, what has to be done to avoid this issue. Resolution: ----- The described issue is corrected by modification of all affected workproducts. // to be removed: technical resolution: e.g. error is resolved in file "xyz" function "opq"	Component@Subcomponent describes the group of workproducts which are composed of the source code, project documentation, User Manual and Generation Tool. The Subcomponent describes the certain affected work-product in which part of the Component the issue appears. e.g. inside of the source code (e.g. Implementation) or inside of the User Manual (e.g. Documentation) or inside of the concerning Generation Tool code. The First affected Version describes in which version of the Component the Issue appears first and the Version fixed describes the corrected version of the Component in which the Issue does not appear anymore. The Problem description expresses the Issue content, eventually impact, etc. What happens: Symptoms, consequences and/or the detection way is described. When does it happen: Ignition, trigger point of the Issue In which configuration does this happen: Dependencies to a certain functionality or another component The Resolution description describes a workaround, if available and the resolution of the Issue.

5. Quality Management Contact

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