**Integration Manual**

**For**

**‘MotAgCorrln’**

**VERSION: 1.0**

**DATE: 01 JUN 2016**

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**Location:** The official version of this document is stored in the Nexteer Configuration Management System.

**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Description** | **Author** | **Version** | **Date** |
| 1 | Initial version | Nick Saxton | 1.0 | 01-Jun-2016 |

**Table of Contents**

[1 Abbrevations And Acronyms 4](#_Toc428181216)

[2 References 5](#_Toc428181217)

[3 Dependencies 6](#_Toc428181218)

[3.1 SWCs 6](#_Toc428181219)

[3.2 Global Functions(Non RTE) to be provided to Integration Project 6](#_Toc428181220)

[4 Configuration REQUIREMeNTS 7](#_Toc428181221)

[4.1 Build Time Config 7](#_Toc428181222)

[4.2 Configuration Files to be provided by Integration Project 7](#_Toc428181223)

[4.3 Da Vinci Parameter Configuration Changes 7](#_Toc428181224)

[4.4 DaVinci Interrupt Configuration Changes 7](#_Toc428181225)

[4.5 Manual Configuration Changes 7](#_Toc428181226)

[5 Integration DATAFLOW REQUIREMENTS 8](#_Toc428181227)

[5.1 Required Global Data Inputs 8](#_Toc428181228)

[5.2 Required Global Data Outputs 8](#_Toc428181229)

[5.3 Specific Include Path present 8](#_Toc428181230)

[6 Runnable Scheduling 9](#_Toc428181231)

[7 Memory Map REQUIREMENTS 10](#_Toc428181232)

[7.1 Mapping 10](#_Toc428181233)

[7.2 Usage 10](#_Toc428181234)

[7.3 NvM Blocks 10](#_Toc428181235)

[8 Compiler Settings 11](#_Toc428181236)

[8.1 Preprocessor MACRO 11](#_Toc428181237)

[8.2 Optimization Settings 11](#_Toc428181238)

[9 Appendix 12](#_Toc428181239)

# Abbrevations And Acronyms

|  |  |
| --- | --- |
| **Abbreviation** | **Description** |
| DFD | Design functional diagram |
| MDD | Module design Document |
|  |  |
|  |  |
|  |  |

# References

This section lists the title & version of all the documents that are referred for development of this document

|  |  |  |
| --- | --- | --- |
| **Sr. No.** | **Title** | **Version** |
| 1 | FDD – ES249B\_MotAgCorrln\_Design | See Synergy sub project version |
| 2 | Software Naming Conventions | Process 04.2.00 |
| 3 | Software Design and Coding Standards | Process 04.2.00 |
|  |  |  |
|  |  |  |

# Dependencies

## SWCs

|  |  |
| --- | --- |
| **Module** | **Required Feature** |
| **None** |  |

## Global Functions(Non RTE) to be provided to Integration Project

None

# Configuration REQUIREMeNTS

## Build Time Config

|  |  |  |
| --- | --- | --- |
| **Modules** | **Notes** |  |
| **FLTINJENA** | Set Value to STD\_ON to enable fault injection |  |

## Configuration Files to be provided by Integration Project

None

## Da Vinci Parameter Configuration Changes

|  |  |  |
| --- | --- | --- |
| **Parameter** | **Notes** | **SWC** |
| **None** |  |  |

## DaVinci Interrupt Configuration Changes

|  |  |  |  |
| --- | --- | --- | --- |
| **ISR Name** | **VIM #** | **Priority Dependency** | **Notes** |
| **None** |  |  |  |

## Manual Configuration Changes

|  |  |  |
| --- | --- | --- |
| **Constant** | **Notes** | **SWC** |
| **None** |  |  |

# Integration DATAFLOW REQUIREMENTS

## Required Global Data Inputs

Refer DataDict.m file in the FDD

## Required Global Data Outputs

Refer DataDict.m file in the FDD

## Specific Include Path present

No

# Runnable Scheduling

This section specifies the required runnable scheduling.

|  |  |  |
| --- | --- | --- |
| **Init** | **Scheduling Requirements** | **Trigger** |
| **MotAgCorrlnInit1** | None | RTE |

|  |  |  |
| --- | --- | --- |
| **Runnable** | **Scheduling Requirements** | **Trigger** |
| **MotAgCorrlnPer1** | None | RTE (2ms) |

**.**

# Memory Map REQUIREMENTS

## Mapping

|  |  |  |
| --- | --- | --- |
| **Memory Section** | **Contents** | **Notes** |
| **MotAgCorrln\_START\_SEC\_CODE** |  |  |
|  |  |  |

\* Each …START\_SEC… constant is terminated by a …STOP\_SEC… constant as specified in the AUTOSAR Memory Mapping requirements.

## Usage

|  |  |  |
| --- | --- | --- |
| **Feature** | **RAM** | **ROM** |
| **<Memmap usuage info>** |  |  |

Table : ARM Cortex R4 Memory Usage

## NvM Blocks

None

# Compiler Settings

## Preprocessor MACRO

None

## Optimization Settings

None

# Appendix

None