Integration Manual – NxtrLib\_SystemTime

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# Dependencies

|  |  |
| --- | --- |
| Module | Required Feature |
|  |  |

# Configuration

## Build Time Config

|  |  |  |
| --- | --- | --- |
| Constant | Notes | SWC |
|  |  |  |

## Generator Config

### System

|  |  |  |
| --- | --- | --- |
| Constant | Notes | SWC |
|  |  |  |

# Integration

The following import steps must be completed:

1. Place CBD project structure to appropriate integration folder
2. Copy SystemTime\_Cfg.h.tt into the Header folder and remove the .tt extension.
3. Configure the constant D\_TickRate\_Cnt\_u32 to the appropriate Os system tick time.

# Runnable Scheduling

This section specifies the required runnable scheduling.

|  |  |  |
| --- | --- | --- |
| Runnable | Scheduling Requirements | Trigger |
|  |  |  |

# Memory Mapping

## Mapping

|  |  |
| --- | --- |
| Constant | Notes |
|  |  |

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

## Usage

|  |  |  |
| --- | --- | --- |
| Feature | RAM | ROM |
| Full driver |  |  |

Table 1: ARM Cortex R4 Memory Usage

# Revision Control Log

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item #** | **Rev #** | **Change Description** | **Date** | **Author Initials** |
| 1 |  | Initial version | 26Jul13 | SAH |