**Project Logbook**

Project Name: Window Lifter with Scheduler and State Machines

Date: 2017/11/22

**Previous Comments**

The Scheduler uses the Binary Progression Algorithm to determine the execution of the tasks.

1. The scheduler was implemented in the S32K144EVB.
2. This project was compiled in IAR.
3. The code was developed following the AUTOSAR Software Architecture: MCAL, HAL, SERVICES and APP Layers were defined.
4. To implement the Scheduler’s Tick, the SysTick Interruption of the microcontroller was used. The Scheduler has a 781.25us Tick.
5. To implement the delays, the LPIT0 was used.
6. All code files of the project are attached as well as the [Scheduler Design document](file:///D:\RepoGitSVN\AEP_BPSchedulerProject\Documentation\Design\Scheduling.pdf).
7. The hardware of the window lifter project was used for this project.

**Log**

|  |  |  |  |
| --- | --- | --- | --- |
| Start Date | Finish Date | Author | Activity |
| 2017/11/23 | 2017/11/23 | Habib Apez | Project frame based on previous Window Lifter project creation |
| 2017/11/23 | 2017/11/23 | Habib Apez | Git Hub repository creation |
| 2017/11/23 | 2017/11/23 | Habib Apez | Project Logbook creation |
| 2017/11/23 | 2017/11/23 | Habib Apez | Problem conceptualization |
| 2017/11/23 | 2017/11/23 | Habib Apez | State machines drafts |
| 2017/11/23 | 2017/11/23 | Habib Apez | Version 1 of Man.c. New version for this project. |
| 2017/11/24 | 2017/11/24 | Habib Apez | Scheduler design (OS Tick, masks and offsets) |
| 2017/11/24 | - | Estefania V. | State machine diagrams in Argo UML creation |
| 2017/11/24 | - | Habib Apez | Version 1 of SchM\_Tasks.c. New version with the tasks for this project. |
| 2017/11/24 | - | Habib Apez | Version 1 of SchM\_Tasks.h. New version with the tasks for this project. |
| 2017/11/24 | - | Habib Apez | Version 1 of SchM\_Cfg.c New version with the tasks definitions for this project. |
|  |  |  |  |