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| **Title:** | **Basic Scheduler**  **Manual** |
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| **History** | | | | |
| **Issue status**  (Index) | **Maturity/Date**  (draft/invalid/valid)  (dd-mmm-yyyy) | **Author**  Department | **Check/Release**  Department | **Description** |
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# Section 1. Purpose

This document was designed to aid the developer on the implementation of the basic scheduler.

# Section 2. Definitions and abbreviations

**Abbreviations**

ADC – Analog to Digital Converter

msec - microsecond (1E-3 seconds)

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# Section 3. General information

**Tick period = 1 ms**

|  |  |  |
| --- | --- | --- |
| Files | Description | Modifiable |
| Kernel.h and Kernel.c | Kernel of scheduler | No |
| Tasks\_init.h and Tasks\_init.c | Definition of tasks | Yes |
| Tasks.h and Tasks.c | Implementation of tasks | Yes |
| HAL.h and HAL.c | Hardware Application Layer | Yes |

# Section 4. Add a new task

1. **Modify Tasks\_init.c and Tasks\_init.h**

The enumeration - -must be updated.

Image of the enumeration

The array - - must be updated.

Explain the ticks and structure of the array

1. **Modify Tasks.h and Tasks.c**

The function of the task added must be declared and implemented.

Show an example in c and h

Tasks.h

Tasks.c