

# **Software Requirements on RTC Driver**

**Team X**

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## Scope of document

This Document specifies the Software requirements on RTC Driver.

## Functional overview

RTC Driver provides capabilities to read Date and time, adjust date and time and check whether if it's PM or AM.

## Requirement specifications

### Functional Requirements

1- [DD\_RTC\_5602] Initializing RTC module by changing its status to be able to monitor during the whole project if it's initialized or not.

Type:	Valid
Description:	The RTC drivers changes its status when it's initialized
Rationale:	Basic functionality
Use cases	When initializing the whole application
Dependencies	[SRS_RTC_4500]
Supporting material	--

2-[DD\_RTC\_5603] The RTC Driver shall provide a service for user to read Time

Type:	Valid
Description:	The RTC Driver shall provide a service for user to read Time such as Seconds, Minutes, Hours

Rationale:	Basic functionality
Use cases	When user wants to get the current time
Dependencies	[SRS_RTC_4500]
Supporting material	--

3-[DD\_RTC\_5604] The RTC Driver shall provide a service for user to read Date

Type:	Valid
Description:	The RTC Driver shall provide a service for user to read Time such as Day, Month, Year
Rationale:	Basic functionality
Use cases	When user wants to get the current time
Dependencies	[SRS_RTC_4501]
Supporting material	--