

Embedded Software Project Checklist

Approval List			
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REVISION HISTORY:

Revision:	Description of Changes:	Date:	Revision By:
1.0	<i>Document Release</i>	02.29.2016	JWB

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Embedded Software Project Checklist

Phase 1 - Project Setup

- Setup revision control
- Create the project
- Create the project directory structure
- Set the white and tab spacing for the project

Phase 2 - Configuration

- Add Doxygen code templates (Download [here](#))
- Configure Doxygen wizard
- Import skeleton HAL/API's (Download at [here](#))
- Create a Version log
- Create a hardware configuration module

Phase 3 - Code Analysis

- Setup static code analysis tool
- Setup software metrics analyzer
- Setup dynamic code analysis tool (if one is available)

Phase 4 - Scheduler Setup

- Setup a RTOS or baremetal scheduler
 - Need to setup a system timer
- Setup a single task to blink an LED (EE "Hello World")

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Phase 5 - Debug Messages

- Setup RTT and trace analysis tool if available
- Setup printf
 - Uart driver
 - Uart mapped to printf
- Configure assert

Phase 6 - Begin Development

- Write quality, robust, secure, reusable and portable software