Ukpik-1

*DOCUMENT TITLE*

REVISION NUMBER: *0.1*

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COMPILED BY: *Name*

CONTRIBUTIONS FROM: *Names*

**Document Change Record**

|  |  |  |  |
| --- | --- | --- | --- |
| Issue | Date | Changes Made | Name |
| 0.1 | YYYY-MM-DD | First Draft | Last Name, First Names |
|  |  |  |  |
|  |  |  |  |

**Reference Documents**

*Insert applicable reference document titles, such as requirements documents*

**Terms, Definitions, Abbreviations**

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| --- | --- |
| CSA | Canadian Space Agency |
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# Requirements

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Requirement Description** | **Parent Requirement** |
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# Functional Operations

*Provide a functional block diagram or state diagram with description of how the mission control software operates, including state transitions with input and output triggers*

# Software Development Plan

*Walk through of the software development including bootloader*

*Description of software development tools, language and configuration management*

# Test and Verification Plan

*Provide detailed description and walk through of the end-to-end software test plan*

*Provide a step-by-step test and verification plan, including equipment needed and what results in a passing test*

*Requirement verification strategy: Take the subsystem requirements and identify how that requirement will be verified to have been met, and identify the necessary equipment or resources to complete that verifications*

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| --- | --- | --- |
| **Requirement ID** | **Verification Strategy** | **Resources** |
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# Schedule and Work Plan for Phase C2 and D

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| --- | --- | --- |
| **Task Description** | **Estimation of Time and Human Resources** | **Required Resources to Complete** |
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*Provide a description of the work that remains to be completed to complete the detailed design process. Provided an estimated time required to complete that work. Provide an estimate on the time and schedule for completing the testing, verification, assembly, and integration.*