Validation Test

Validation is focused on determining if the system complies with the requirements, and if performance is as intended. The strategy of validation is to do a comparison at the end of development. The main goal is to make sure the product is correct.

Customer desire

Requirements

Development

product

Validation

Verification

According to the Capability Maturity Model (CMM) validation is the process of evaluating software during or at the end of the development process to determine whether it satisfies specified requirements. [IEEE-STD-610].

Validation is done during testing Unit testing, integration testing, as well as the following stress test.

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| --- | --- |
| Test Case ID | TC001 |
| SW | Version: V1.0 |
| Test Case Summary | Validate that power supply displays a variation in current  When  The air duct is blocked, thus generating a small load to the fan. |
| Prerequisites | 1. Power source. 2. Input- output connection to speed controller. |
| Test Procedure | 1. User shall block air duct with a hand to create air resistance. 2. Validate that digital multimeter displays the real measurements of the source. |
| Test Data | 1. Denominations: Amps 2. Quantities: |
| Expected Result | 1. Readout of current change. |
| Actual Result | 1. If the specified quantity is valid, the result is as expected. 2. If the specified quantity is invalid, nothing happens; the expected message is not displayed |
| Status | Pass |
| Remarks | This is a test case. |
| Created By | Jesus Ramirez |
| Date of Creation | 11/10/19 |
| Executed By | Algemiro Gil |
| Date of Execution | 18/10/19 |
| Test Environment | * Manual Test. |