9/06/2025

To: Allen Aircraft Quality Team:

Re: Automated OLS Tester Version Control

With the advent of the LabVIEW based Level Sensor Automation Test Bench, certain files and procedures need to be controlled under Allen Aircraft’s AS 9100 QA System. At a minimum the following Software and Hardware, files and documents should be considered. Additionally, it is important that AAP IT maintain an archive of development environments (software and version) used to create version-controlled items to facilitate future change/development for both software and PCB designs.

**SOFTWARE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **Name** | **Control** | **Responsible** |
| Requirements Document | Functional Requirements Spec (FRS) | Document Control | AAP Eng |
| LabVIEW Development | \_OLS\_Main.proj (source files) | GITHUB | AAP IT |
| \_OLS\_Main.exe (Executable) | Like CNC programs | AAP QA |
| LabVIEW Application | Test Configuration File on server ..\$ConfigFile | Document Control | AAP Eng |
| Test Report File on server ..\$ReportFile | Record Control | AAP QA |
| Test plan and Results | Qualification Test Procedure (QTP) | Record Control | AAP Eng |
| Gage R&R (Calibration) | Record Control | AAP QA |
| Procedures | How to Build \_OLS\_Main.exe | Work Instruction | AAP Eng |
| How to Install \_OLS\_Main.exe | Work Instruction | AAP Prod. |
| Production Test Procedure | Work Instruction | AAP Prod. |

**HARDWARE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Description** | **Name** | **Control** | **Responsible** |
| Level Test Tank | Tank Drawing | Document Control | AAP Eng |
| Tank Assembly Instruction | Work Instruction | AAP Eng |
| Sensor Commissioning | Laser Installation and Calibration | Work Instruction | AAP Prod |
| DataQ Acquisition Install & Cal | Work Instruction | AAP Prod |
| Interface bord | Schematic | Document Control | AAP Eng |
| PCB Layout | Document Control | AAP Eng |
| Gerber Files | Document Control | AAP Eng |
| Assembly Instructions | Work Instruction | AAP Eng. |

Submitted:

A picture containing animal, drawing

Description automatically generated

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