**Appendix 9B Submission #2 – Pre-Software FAT**

*Submit the PLC and HMI code at least 10 business days before the FAT for review by the Gatekeeper.*

**General Information**

|  |  |
| --- | --- |
| PLC Name |  |
| Plant |  |
| Review Date DD/MM/YY |  |
| Checked by |  |
| Version of the standards to which programming was done |  |
| Version of the UDTs and AOIs to which the programming was done |  |

**PLC Checklist**

| Check | Pass/Fail |
| --- | --- |
| Confirm IP Address |  |
| Review all non-template programming |  |
| Verify Tag Descriptions for all Top Level Tags |  |
| Verify Tag Descriptions for Tags Used in Program |  |
| Verify Program Descriptions |  |
| Verify Messaging |  |
| Verify Duty Code |  |
| Check Latest AOIs are in use and have not been modified |  |
| Check Latest UDDTs are in use and have not been modified |  |
| Check that all PID routines are present and configured |  |
| Check that all message block routines are present and configured |  |
| Check that all alarm masking is completed |  |
| Check that the ACP routine is present and configured |  |
| Check that the dialler routine is present and functional |  |
| Check that pump duty routines are present and functional |  |
| Check that the instrumentation duty routines are present and functional |  |
| Check that the AOIs have not been modified since software submission #1 |  |
| Check that the UDTs have not been modified since software submission #1 |  |
|  |  |

*This is a sample list of screens. It is the consultant’s responsibility to make sure that the list is accurate for their project. The screens only need to have the graphics completed at this stage. Tags and scripting do not need to be completed until submission #2.*

*The Consultant is to submit a list of all new trend configuration buttons for InTouch Trending and Historian Trending listing of what tags are to be displayed.*

**Screen Verification**

| Check | Pass/Fail |
| --- | --- |
| Plant Overview |  |
| Process and Town Overview |  |
| Report Screens |  |
| Chemical Screens |  |
| Security |  |
| Setpoint Screens |  |
| Duty Rotation Screens |  |
| Dialler Screens |  |
| Communications Map |  |
| PLC Status Screen |  |
| Alarm/History Menu |  |
| Server and Workstation Screen |  |
| Work Alone System |  |
| All Screens Visually Inspected |  |
| InTouch Trending Button Configurations |  |
| Historian Trending Button Configurations |  |

**Deficiencies**

*Insert Appendix 9k – Standard Deficiency Sheet here.*

Hand written notes are not to be replaced with typed notes later nor are these sheets to be removed or replaced in the binder at any time.