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# **Introduction**

## **Purpose**

<p style="text-align: left;">Hlo</p>

## **Scope**

<p style="text-align: left;"><b><i><u>Hlo</u></i></b></p>

## Relationship with Other Documents

|  |  |
| --- | --- |
| **Document Reference** | **Document Title** |
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## SAT Protocol Pre-Execution Approval

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Print Name** | **Signature** | **Date** | **Initial** | **Company** |
|  |  |  |  |  |
|  |  |  |  |  |

## SAT Protocol Post Execution Approval

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Print Name** | **Signature** | **Date** | **Initial** | **Company** |
|  |  |  |  |  |
|  |  |  |  |  |

# **Pre-Test Requirements**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **Test** | **Method/Test Steps** | **Acceptance Criteria** | **Result** | **Punch Item** | **Verified by** | **Comment** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

# **Asset Register**

* 1. KEY COMPONENTS

|  |  |  |  |
| --- | --- | --- | --- |
| **S.no** | **Model** | **Description** | **Remarks** |
|  |  |  |  |
|  |  |  |  |

* 1. IP ADDRESS RECORDS

|  |  |  |
| --- | --- | --- |
| **Device** | **IP Address/Subnet/Gateway** | **Comments** |
|  |  |  |
|  |  |  |

# **Signal Tests**

## **Digital Module Signals**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Rack No.** | **Module Position** | **Signal TAG** | **Signal Description** | **Result** | **Punch Item** | **Verified By** | **Comment** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## **4.2 Analogue Module Signals**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Rack No.** | **Module Position** | **Signal TAG** | **Signal Description** | **Result** | **Punch Item** | **Verified By** | **Comment** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## **4.3Modbus Digital**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Address** | **Description** | **Remarks** | **Result** | **Punch Item** | **Verified By** | **Comment** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **4.4Modbus Analogue**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Address** | **Description** | **Range** | **Result** | **Punch Item** | **Verified By** | **Comment** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

## **4.5Data Validation**

|  |  |  |  |
| --- | --- | --- | --- |
| Tag | Range | SCADA Value | HMI Value |
|  |  |  |  |
|  |  |  |  |

# **Process test**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Action** | **Expected / Required Result** | **Pass/Fail** | **Comments** |
|  |  |  |  |  |
|  |  |  |  |  |

# **SCADA Verification**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Expected Result** | **Pass/Fail** | **Comments** |
|  |  |  |  |
|  |  |  |  |

# **Trends Testing**

|  |  |  |  |
| --- | --- | --- | --- |
| **Trend** | **Expected Behavior** | **Pass/Fail** | **Comments** |
|  |  |  |  |
|  |  |  |  |

# **Scada / SMS Alarms**

|  |  |  |  |
| --- | --- | --- | --- |
| **Alarm Type** | **Expected Result** | **Pass/Fail** | **Comments** |
|  |  |  |  |
|  |  |  |  |

# **List Of Test Equipment**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Equipment/Tool** | **Make/Model** | **Serial No.** | **Calibration Date** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |

# **Punch List Items**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Detail of Non-Conformance** | **Raised By** | **Comment** | **Approved By** | **Date** |
|  |  |  |  |  |  |
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