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| FORM REF | 1725IED-FAT-TR-PARAM | | |
| FORM DESCRIPTION | RTU FAT RECORD – PARAMETER SETTING | FORM VERSION | 02 |
| PROJECT DETAILS | RTU SERIAL NO: | PRODUCT DETAILS | DF1725IED RTU |
| CONTRACT NO: | TEST RECORD SHEET | 29 of 39 |
| FAT – TEST RECORD REF: | PARAMETER – PROCESSOR | RECORD SHEET NO. | of |

* 1. **Processor Parameter Setting**
  2. **MCU-1-A**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Parameter** | **Standard Setting** | **OK** | **NO** |
| 1 | Time Zone | UTC +08:00 |  |  |
| 2 | Employ NVRAM | YES |  |  |
| 3 | Time delay (s) | 20 seconds |  |  |
| 4 | ClockSyn | 60 minutes |  |  |

* 1. **MCU-4-A**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No** | **Parameter** | **Standard Setting** | **OK** | **NO** |
| 1 | Time Zone | UTC +08:00 |  |  |
| 2 | Employ NVRAM | YES |  |  |
| 3 | Time delay (s) | 20 seconds |  |  |
| 4 | ClockSyn | 60 minutes |  |  |

Tested By: (Signature/Official Stamp)

Witnessed By: (Signature/Official Stamp)

Tester’s TNB QAI’s

Name: Name:

Date: Date:

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| FORM REF | 1725IED-FAT-TR-PARAM | | |
| FORM DESCRIPTION | RTU FAT RECORD – PARAMETER SETTING | FORM VERSION | 02 |
| PROJECT DETAILS | RTU SERIAL NO: | PRODUCT DETAILS | DF1725IED RTU |
| CONTRACT NO: | TEST RECORD SHEET | 30 of 39 |
| FAT – TEST RECORD REF: | PARAMETER – DIGITAL INPUT | RECORD SHEET NO. | of |

* 1. **Digital Input Parameter Setting**
  2. **Under Card Module**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | | **OK** | **NO** |
| **SPI** | **DPI** |
| 1 | Debounce | 10ms | 10ms |  |  |
| 2 | Invert | NO | NO |  |  |
| 3 | Chatter Time = Tc (ms) | 1000 | 1000 |  |  |
| 4 | Number of Chatter = Nc | 5 | 5 |  |  |
| 5 | Recovery Time = TRcvr | 60 | 60 |  |  |

* 1. **Under Logical Module**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No**. | **Parameter** | **Standard Setting** | | **OK** | **NO** |
| **SPI** | **DPI** |
| 1 | Transmit SOE | YES | YES |  |  |
| 2 | Transmit COS | NO | NO |  |  |
| 3 | Info Code 1 | (1) | (3) |  |  |
| 4 | Info Code 2 | (30) | (31) |  |  |
| 5 | Event Buffer Mode | Uncovered (No Tick) | Uncovered (No Tick) |  |  |
| 6 | SOE Buffer Size | 1000 | 1000 |  |  |
| 7 | Priority | 2 | 2 |  |  |

Tested By: (Signature/Official Stamp)

Witnessed By: (Signature/Official Stamp)

Tester’s TNB QAI’s

Name: Name:

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| FORM REF | 1725IED-FAT-TR-PARAM | | |
| FORM DESCRIPTION | RTU FAT RECORD – PARAMETER SETTING | FORM VERSION | 02 |
| PROJECT DETAILS | RTU SERIAL NO: | PRODUCT DETAILS | DF1725IED RTU |
| CONTRACT NO: | TEST RECORD SHEET | 31 of 39 |
| FAT – TEST RECORD REF: | PARAMETER – DIGITAL OUTPUT | RECORD SHEET NO. | of |

* 1. **Digital Output Parameter Setting**
  2. **Under Card Module**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | | **OK** | **NO** |
| **Double Command** | **Single Command** |
| 1 | Reset Time (s) | 20 | 20 |  |  |
| 2 | On Time (long: ms) | 3000 | 3000 |  |  |
| 3 | On Time (short: ms) | 3000 | 3000 |  |  |

* 1. **Under Logical Module**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | | **OK** | **NO** |
| **Double Command** | **Single Command** |
| 1 | DO Attribute | Trip & Close | Close |  |  |
| 2 | Command Format | Double / Rise/Fall | Single |  |  |
| 3 | SBO | SBO | SBO |  |  |
| 4 | Priority | 2 | 2 |  |  |

Tested By: (Signature/Official Stamp)

Witnessed By: (Signature/Official Stamp)

Tester’s TNB QAI’s

Name: Name:

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| FORM REF | 1725IED-FAT-TR-PARAM | | |
| FORM DESCRIPTION | RTU FAT RECORD – PARAMETER SETTING | FORM VERSION | 02 |
| PROJECT DETAILS | RTU SERIAL NO: | PRODUCT DETAILS | DF1725IED RTU |
| CONTRACT NO: | TEST RECORD SHEET | 32 of 39 |
| FAT – TEST RECORD REF: | PARAMETER – ANALOG INPUT | RECORD SHEET NO. | of |

* 1. **Analog Input Parameter Setting**
  2. **Under Card Module**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | **OK** | **NO** |
| 1 | AI Type | 4 – 20mA |  |  |
| 2 | Main Force to 0 | YES |  |  |
| 3 | Force to 0 | 75 |  |  |

* 1. **Under Logical Module**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | **OK** | **NO** |
| 1 | Coe. a | 32767 |  |  |
| 2 | Coe. b | 10000 |  |  |
| 3 | Coe. c | 0 |  |  |
| 4 | AI Multiply Coe | YES |  |  |
| 5 | AI Event Buffer Size | 1000 |  |  |
| 6 | Event Buffer Mode | Uncovered (No Tick) |  |  |
| 7 | Deadband | 100 |  |  |
| 8 | Info Code 1 | Disable |  |  |
| 9 | Info Code 2 | (34) / (36) |  |  |
| 10 | Priority | 2 |  |  |

Tested By: (Signature/Official Stamp)

Witnessed By: (Signature/Official Stamp)

Tester’s TNB QAI’s

Name: Name:

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| FORM REF | 1725IED-FAT-TR-PARAM | | |
| FORM DESCRIPTION | RTU FAT RECORD – PARAMETER SETTING | FORM VERSION | 02 |
| PROJECT DETAILS | RTU SERIAL NO: | PRODUCT DETAILS | DF1725IED RTU |
| CONTRACT NO: | TEST RECORD SHEET | 34 of 39 |
| FAT – TEST RECORD REF: | PARAMETER – IEC101 MODULE | RECORD SHEET NO. | 1 of 1 |

1. **IEC101 Parameter Setting**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | **OK** | **NO** |
| 1 | Main Port | COM2 |  |  |
| 2 | Backup/Standby Port | COM3 |  |  |
| 3 | Protocol Name/No. | 292. Slave\_IEC101Sec |  |  |
| 4 | Standby Mode | One Working Another Spare |  |  |
| 5 | R&T Under Standby Machine | Neither Transmit nor Receive |  |  |
| 6 | Breaking Time (ms) | 20000 |  |  |
| 7 | Serial Type | RS232 |  |  |
| 8 | Baudrate | 9600 |  |  |
| 9 | Data Bit | 8 |  |  |
| 10 | Stop Bit | 1 |  |  |
| 11 | Parity | Even |  |  |
| 12 | Link Address Size | 2 octets |  |  |
| 13 | Cause of Transmission Size | 1 octet |  |  |
| 14 | Common Address Size | 2 octets |  |  |
| 15 | IOA Size | 2 octets |  |  |
| 16 | Alarm Time (s) | 25 |  |  |
| 17 | Link Transmission Procedure | Unbalanced |  |  |
| 18 | User ID | User\_TNBD |  |  |

Tested By: (Signature/Official Stamp)

Witnessed By: (Signature/Official Stamp)

Tester’s TNB QAI’s

Name: Name:

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| FORM REF | 1725IED-FAT-TR-PARAM | | |
| FORM DESCRIPTION | RTU FAT RECORD – PARAMETER SETTING | FORM VERSION | 02 |
| PROJECT DETAILS | RTU SERIAL NO: | PRODUCT DETAILS | DF1725IED RTU |
| CONTRACT NO: | TEST RECORD SHEET | 35 of 39 |
| FAT – TEST RECORD REF: | PARAMETER – IEC104 MODULE | RECORD SHEET NO. | 1 of 1 |

1. **IEC104 Parameter Setting**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Parameter** | **Standard Setting** | **OK** | **NO** |
| 1 | Main Port | EthernetA, Link2 |  |  |
| 2 | Backup/Standby Port | EthernetB, Link2 |  |  |
| 3 | Protocol Name/No. | 114. Slave\_IEC104Sec |  |  |
| 4 | Standby Mode | Both Have Task |  |  |
| 5 | Work Mode | TCP Server |  |  |
| 6 | Port Address | 2404 |  |  |
| 7 | Cause of Transmission Size | 2 octets |  |  |
| 8 | Common Address of ASDU Size | 2 octets |  |  |
| 9 | Information Object Address Size | 3 octets |  |  |
| 10 | Control Command Mode | CMD\_BOTH |  |  |
| 11 | Background Scan Time (s) | 0 |  |  |
| 12 | T1 period | 15 seconds |  |  |
| 13 | T2 period | 10 seconds |  |  |
| 14 | T3 period | 20 seconds |  |  |
| 15 | K | 12 |  |  |
| 16 | W | 8 |  |  |

Tested By: (Signature/Official Stamp)

Witnessed By: (Signature/Official Stamp)

Tester’s TNB QAI’s

Name: Name: