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|  | FDOT Traffic Engineering Research Laboratory (TERL)  Remote Power Management Unit (RPMU) Compliance Matrix | By signing this form, the applicant declares that he/she has read and understands the provisions of Sections 685 and 996 of the FDOT *Standard Specifications for Road and Bridge Construction* and all implemented modifications. The requirements listed on this matrix are derived from Sections 685 and 996 and are the basis for determining a product’s compliance and its acceptability for use on Florida’s roads. |

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| Date: | Click here to enter a date. | Applicant’s  Name (print): |  |
| Manufacturer: |  |  |  |
| Item, Model No.: |  | Signature: |  |

| **ID No** | **Section** | **Requirement** | **Item Comply? (Yes/No/NA)** | **Comments (Applicant must provide information as indicated)** | **TERL Evaluation Method** |
| --- | --- | --- | --- | --- | --- |
| The following compliance matrix criteria are for all RPMUs. | | | | | |
| 1 | 996-1.1 | RPMU is permanently marked with manufacturer name or trademark, part number, and date of manufacture or serial number. |  | *Applicant may provide comments in this field.* | Physical Inspection |
| 2 | 996-7.3.1 | RPMU supports local and remote configuration and management, including access to all user-programmable features as well as alarm monitoring, event logging, and diagnostic utilities. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 3 |  | Configuration and management functions are password protected. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 4 |  | RPMU includes an event scheduler that can store a minimum of 60 events. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 5 |  | The RPMU includes LED indicators for relay inputs and outlet status. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 6 |  | Upon loss of communications the RPMU maintains each receptacle and relay in its currently stored state of operation. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 7 |  | Upon restoration of electrical power after an outage the RPMU  automatically restores each receptacle and relay to its previously stored state of operation and all configurable parameters are retained. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 8 |  | RPMU supports SNMP v2c, including trap notifications of receptacle state changes. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 9 | 996-7.3.2 | RPMU provides an Ethernet port (RJ45) for local control using a laptop PC and remote control via a network connection. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Functional Inspection |
| *Indicate location of requested information in submittal.* |
| 10 | 996-7.3.3 | RPMU provides a minimum of 6 NEMA 5-15R receptacles, nominal 120 VAC, and a minimum current capacity of 12 amperes (amps). |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| 11 | 996-7.3.4 | All parts are made of corrosion-resistant materials such as plastic, stainless steel, anodized aluminum, brass, or gold-plated metal. |  | *Provide product literature, specifications, user manual, or similar information that shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| 12 |  | All fasteners exposed to the elements must be Type 304 or 316 passivated stainless steel. |  | *Provide a statement of conformance from the supplier shows the product meets this requirement.* | Document Review and Physical Inspection |
| *Indicate location of requested information in submittal.* |
| 13 | 996-7.3.5 | RPMU operates properly during and after being subjected to the environmental testing procedures described in NEMA TS 2-2021, Sections 2.2.7, 2.2.8, and 2.2.9. |  | *Provide a first or third party test report that demonstrates compliance with this requirement. The test report must be less than 5 years old and meet the requirements of FDOT Product Certification Handbook, section 7.2.* | Document Review |
| *Indicate location of requested information in submittal.* |
| 14 | 685-5 | The RPMU includes a manufacturer’s warranty covering defects for a minimum of 3 years from the date of final acceptance in accordance with 5-11 and Section 608. |  | *Provide a statement of conformance in this field.* | Compliance Matrix Review |

**Document History for:**

**Remote Power Management Unit Compliance Matrix**

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| Rev | Description | Authored and Checked | Reviewed | Approved | Approval Date | Rev More Stringent? |
| 1.0 | New CM | W. Geitz | M. DeWitt  C. Raimer | D. Vollmer | 08/21/2020 | N/A |
| 2.0 | Added warranty information. Corrected CM identifier. | A. Burleson | W. Geitz | M. DeWitt | 02/01/2022 | No |
| 3.0 | Moved from 685 to 996. | W. Geitz | P. Blaiklock M. DeWitt | D. Vollmer | 04/12/2023 | No |
| 4.0 | Updated to latest FA date of 12-1-23 for spec 996. | W. Geitz | L. Audisio | D. Vollmer | 01/08/2024 | No |