STANDARDS UPDATE NOTICE (SUN)
ISSUED: October 20, 2022

STANDARD INFORMATION

Standard: UL 916
Standard ID: Energy Management Equipment [UL 916:2015 Ed.5+R:21Oct2021]
Previous Standard ID: Energy Management Equipment [UL 916:2015 Ed.5]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **October 21, 2023**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes: Changes in requirements in Supplement SA to address energy management equipment that use remote or cloud-based interface for communication and to clarify functional safety requirements. Specific details of new/revised requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.

STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		Additions to existing requirements are <u>underlined</u> and deletions are shown ~~lined out~~ below.
Supplement SA	Info	**SAFETY OF SMART ENABLED ENERGY MANAGEMENT EQUIPMENT**
SA3	**Info**	**Functional Safety**
SA3.2		***New clause added;*** With respect to SA3.1, the control/circuit that performs the safety-related function(s) of the product shall comply with the functional safety (hardware and/or software) requirements for Class B control functions in UL 60730-1, the Standard for Automatic Electrical Controls.
SA3.3		***New clause added;*** Where remote actuation and/or cloud-based solutions are used to perform safety-related functions, clause H.11.12.4 of UL 60730-1 applies (for example: Adjusting setpoints or other operating parameters that are considered safety-related).
S3.4		***New clause added;*** With respect to SA3.1, the control/circuit that manages the safety-related function(s) of the product shall be subjected to Electro Magnetic Phenomena (EMP) disturbances as specified in SA3.6(a).
SA3.6	Info	Compliance with SA3.4 is determined using the communication circuit source(s) adjusted to its maximum factory setting(s) in addition to any intermediate settings that are determined to present a risk to the acceptable operation of the safety-related control function. a) The safety-related function shall be tested in accordance with Clauses H.17, H.26.4 through H.26.14 of the Standard for Automatic Electrical Controls, Part 1: General Requirements, UL 60730-1 as appropriate. <u>b) Unless otherwise specified or declared, the test level for each EMP disturbance shall be level 3 as indicated in Table H.13DV of UL 60730-1.</u> <u>c) Before and after each EMP disturbance, there shall be no loss of the declared safety function or deviation from the specified safety limits.</u> <u>Note – in some cases monitoring the safety-related function during the EMP disturbance might be necessary.</u> d) If it is determined that the source within the control or its accessory(ies) produces emissions addressed by the standard test conditions of Clause H.26 of the Standard for Automatic Electrical Controls, Part 1: General Requirements, UL 60730-1, it is not necessary to repeat the tests.

CLAUSE	VERDICT	COMMENT
SA5	Info	**Markings and Instructions**
SA5.6		***New clause added;*** Energy management equipment that complies with the requirements of this supplement can bear an optional marking that indicates the safety related function and the safety rating “Function Class B”. Details of the safety related function can be located in the Energy Management Equipment’s other supporting materials (for example: User Manual, Product Specifications sheet, etc).