STANDARDS UPDATE NOTICE (SUN)
ISSUED: February 21, 2020

STANDARD INFORMATION

Standard Number: UL 1069
Standard Name: Hospital Signaling and Nurse Call Equipment
Standard Edition and Issue Date: 7th Edition Dated October 12, 2007
Date of Revision: August 12, 2016
Date of Previous Revision of Standard: February 19, 2015

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **September 30, 2020**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: A review of all Listing Reports is necessary to determine which products comply with new/revised requirements and which products will require re-evaluation. **NOTE:** Effective immediately, this revised standard will be exclusively used for evaluation of new products unless the Applicant requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.

Overview of Changes:

- Incorporate Fundamentals Update in Sections 1-3 and 16-18

Specific details of new/revised requirements are found in table below.

If the applicable requirements noted in the table are not described in your report(s), these requirements will need to be confirmed as met and added to your report(s) such as markings, instructions, test results, etc. (as required).

Client Action:

Information – To assist our Engineer with review of your Listing Reports, please submit technical information in response to the new/revised paragraphs noted in the attached or explain why these new/revised requirements do not apply to your product (s).

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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 underlined and deletions are shown ~~lined out~~ below.
2	Info	**Fundamentals**
2.1	Info	**General**
2.1.3		Pillow speakers, power supplies and signaling equipment intended to perform fundamental operation shall be tested for compatibility with at least one fundamental NCS.
2.1.4		For the purposes of enabling a proprietary communications interface for accessory equipment or devices, the protocol of the fundamental NCS can be uniquely tested as a software device in accordance with 16.1.1.
2.1.5		When a communications interface is enabled as described in 1.3 and 2.1.4, the NCS installation instructions shall include at least the following: a) The manufacturer's name or private labeler's name, trademark, or other descriptive marking by which each accessory organization can be identified. b) Make, model or identifiable name of each accessory. c) Any special conditions required for use with each accessory.
2.2	Info	**Nurse call system (NCS) fundamentals**
2.2.1		A fundamental NCS employs dedicated wired, dedicated wireless, or a combination of these means for the notification and annunciation of patient initiated or staff initiated calls.
2.2.3		A fundamental NCS shall provide signaling for one or more of the following: staff emergency calls, code calls, and staff or patient requests for help or assistance.
2.2.4		Provision for the interface and signaling of medical device alerts or any signaling not included in 2.2.3 is permitted and shall be considered supplementary operation.
2.2.6		The nurse call system shall identify the location of the staff or patient initiated call.
2.2.7		A fundamental NCS shall provide all of the following capabilities: a) Call initiation – Activation of a call event via fundamental call initiation station or device. b) Notification – Audible and visual annunciation at a wired-primary nurse control station where wiring includes both signal and power. c) Notification – Audible and visual annunciation at a nurse's duty station which is intended for installation at a fixed location. d) Notification – Visual annunciation at a wired or wireless corridor lamp. Audible annunciation at the corridor lamp is permitted.

CLAUSE	VERDICT	COMMENT
		e) Notification – Visual annunciation at a wired or wireless zone corridor lamp. Audible annunciation at a zone lamp is permitted. f) Call reset or cancellation – The ability to return the nurse call system to a normal quiescent state upon restoration of a call event.
2.2.8		A fundamental NCS shall provide all of the following equipment: a) A call initiation station that provides the fundamental call types described in 2.2.3. It is permissible for a call initiation station to activate a single call type or a combination of call types. It is also permissible for a call initiation station to be equipped to provide supplementary two way voice communication. b) If the call initiation station described in a) is intended to serve one or more patient beds, each bed shall be uniquely identified and discretely accessed. c) A call initiation station intended to be mounted in space considered to be a wet location area. d) A call initiation station shall provide a call placed visual indicator. e) Call notification stations that provide capabilities described in 2.2.7.
2.2.9		A call initiation station mounted in a patient shower or bath area shall provide a means to be accessible to a patient lying on the floor. A pull cord is permitted to enable such access.
2.2.10		A call initiation station that provides supplementary two way voice communication shall provide a visual or aural signal to indicate voice circuit operation.
2.2.11		Notification Stations – Visual and audible signals for a code call and staff emergency call shall be individually identifiable and distinct from all other nurse call signals.
2.2.13		Calls initiated by fundamental NCS equipment may only be cancelled at the originating patient care area or room of origin. The following means of call cancelation shall be permitted: a) When two or more stations are located in the same area and all are visible from any call location, the call event may be canceled at any station in the same area. b) A routine call may be canceled remotely if two-way audio communication has been established, with the end-to-end connection verified prior to hang-up, between the calling patient care area or room of origin and the remote location. c) A code call or an emergency call annunciated on a Portable Nurse Control Station must be canceled by an action separate and unique from terminating communication.
2.6	Info	**Maximum voltage and power**
2.6.1		The maximum distribution voltage available to equipment intended to be installed in areas accessible to a patient or persons touching a patient shall not exceed 30 volts AC (42.4 volts peak), 42.4 volts peak for nonsinusoidal AC, or 42.4 volts continuous DC.

CLAUSE	VERDICT	COMMENT
2.6.2		The maximum power available to low-voltage equipment intended to be installed in areas accessible to a patient or persons touching a patient shall not be greater than 100 volt-amperes.
	Info	**PERFORMANCE**
16		**General**
16.1		The performance of a fundamental NCS as described in 2.2.7 – 2.2.13 combined with equipment described in 2.1.4 – 2.1.6 ~~Unless otherwise specified, the performance of hospital nurse call equipment and other signalling equipment~~ shall be investigated by subjecting a representative sample of the overall compatible system, connected in accordance with the manufacturer's installation instructions and drawings, to the tests specified in Sections 17 – 40 and 46 – 50.
16.1.1		For testing purposes only, simulation of devices and equipment shall be permitted to provide equivalent circuit or network loading that is characteristic of fundamental NCS equipment or accessory signaling equipment.
17	Info	**Normal Operation Test**
17.3.4		When testing functionality, operation of three fundamental call initiation stations over a combined interval of one second is considered to be simultaneous
18	Info	**Electrical Supervision**
18.1	Info	**General**
18.1.10		The maximum time for the generation or restoration of a trouble signal in a worst case loaded system, as described in 17.3 – 17.3.4, shall not exceed 90 seconds under all of the following conditions: a) From the time of occurrence of a fault or adverse condition in the fundamental NCS signaling path during annunciation or idle time; b) From the time of occurrence of a fault or adverse condition in a fundamental NCS equipment during annunciation or idle time; and, c) From the time of restoration of the fault or adverse condition in (a) and (b) to normal state.
18.1.11		There shall be no loss of an activated notification signal at a fundamental call notification station received prior to the conditions described in 18.1.10.
		CUSTOMERS PLEASE NOTE: This Table and column "Verdict" can be used in determining how your current or future production is or will be in compliance with new/revised requirements.