

## STANDARD INFORMATION

**Standard:** UL 1069

**Standard ID:** Hospital Signaling and Nurse Call Equipment [UL 1069:2007 Ed.7+R:23Apr2020]

**Previous Standard ID:** Hospital Signaling and Nurse Call Equipment [UL 1069:2007 Ed.7+R:26Apr2019]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **April 23, 2022**

## 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.

### Overview of Changes:

- Revised requirements to nurse call system (NCS) fundamentals
- Additional requirements for a shared clinical IT network

Specific details of new/revise 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined out</del> below.</i>
	Info	Much of Section 2.2 has been rewritten. Below are the new requirements.
2	Info	<b>Fundamentals</b>
2.2	Info	<b>Nurse call system (NCS) fundamentals</b>
		<b><i>New clause added;</i></b>
		The fundamental operation of an NCS includes the essential and required functions of providing notification and reset/cancellation of staff initiated or patient initiated call signals.
2.2.2		a) A fundamental NCS is deployed on a dedicated wired, or a dedicated wireless network, or a combination of these networks, for the notification and annunciation of patient initiated or staff initiated calls. 1) A clinical IT network may be used to connect two or more fundamental NCS operating on their own dedicated networks where each NCS is capable of independently performing fundamental NCS operation as defined in 2.2.2A. b) fundamental NCS shall provide signaling for one or more of the following call types: staff emergency calls, code calls, and staff or patient requests for help or assistance.
		<b><i>New clause added;</i></b>
		A fundamental NCS shall provide all of the following capabilities:
2.2.2A		a) Call initiation – Activation of a call event via fundamental call initiation station or device. A fundamental NCS must include the following equipment for call initiation: 1) A call initiation station that provides the fundamental call types described in 2.2.2 (b). 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. i) If the call initiation station described in (1) is intended to serve one or more patient beds, each bed shall be uniquely identified and discretely accessed. 2) A call initiation station intended to be mounted in space considered to be a wet location area. i) 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. 3) A call initiation station shall provide a call placed visual indicator.



CLAUSE	VERDICT	COMMENT
		<p>b) Call Notification – A fundamental NCS must include the following equipment for call notification:</p> <ol style="list-style-type: none"><li>1) Audible and visual annunciation at a wired-primary nurse control station where wiring includes both signal and power.</li><li>2) Audible and visual annunciation at a nurse's duty station which is intended for installation at a fixed location.</li><li>3) Visual annunciation at a wired or wireless corridor lamp. Audible annunciation at the corridor lamp is permitted.</li><li>4) Visual annunciation at a wired or wireless zone corridor lamp. Audible annunciation at a zone lamp is permitted.</li><li>5) The nurse call system shall identify the location of the staff or patient initiated call.</li><li>6) Visual and audible signals for a code call and staff emergency call shall be individually identifiable and distinct from all other nurse call signals.</li></ol> <p>c) Call reset or cancellation – The ability to return the nurse call system to a normal quiescent state upon restoration of a call event. Calls initiated by fundamental NCS equipment may only be canceled at the originating patient care area or room of origin. The following means of call cancellation shall be permitted:</p> <ol style="list-style-type: none"><li>1) 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.</li><li>2) 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.</li><li>3) 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.</li><li>4) A routine call may be canceled upon detection of staff presence in the patient care area or room of origin by a Real Time Location System (RTLS).</li></ol>
		<hr/> <p><b><i>New clause added;</i></b></p> <p>It is permissible to use a wireless interface with the fundamental NCS for the following:</p>
2.2.2B		<ol style="list-style-type: none"><li>a) Call initiation as described in 2.2.2A(a) via fixed location station or portable call initiation device.</li><li>b) Call notification as described in 2.2.2A(b).</li><li>c) Items (a) and (b) shall be evaluated for fundamental NCS operation as fundamental NCS equipment.</li><li>d) A code call or an emergency call that originates from a portable call initiating device shall be canceled at an associated fixed location call initiation or notification station as described in 2.2.2A (c).</li></ol> <hr/>



CLAUSE	VERDICT	COMMENT
		<b><i>New clause added;</i></b>
		Provision for the interface and signaling of medical device alerts or any signaling not included in 2.2.2 (b) is permitted and shall be considered supplementary operation.
2.2.2C		a) Provision for two-way audio (voice) communications is permitted and shall be considered supplementary operation. 1) A call initiation station that provides supplementary two way voice communication shall provide a visual or aural signal to indicate voice circuit operation. b) It is permissible for the fundamental NCS to perform supplementary operation with wired or wireless equipment such as: 1) Supplementary notification at a redundant portable call annunciation device or redundant portable nurse's station. 2) Supplementary call initiation of a routine call such as housekeeping or maintenance via supplementary call initiation device.
2.2.3-2.2.8	Info	(Deleted)
	Info	<b>INSTRUCTIONS AND INSTALLATION DRAWINGS</b>
46	Info	<b>Details</b>
		A manual shall be provided with each nurse call system. If not clearly indicated on the unit the manual shall include the following information:
46.1		<u>k) Minimum performance requirements of the shared clinical IT network.</u> <u>Consideration to the following (as applicable):</u>  1) <u>Capacity</u> 2) <u>Availability</u> 3) <u>Reliability</u> 4) <u>Latency</u>