STANDARDS UPDATE NOTICE (SUN)
ISSUED: April 27, 2022

STANDARD INFORMATION

Amendment 2: See updated Effective Date in green below
Amendment 1: See updated Effective Date in blue below

Standard Number: UL 2075
Standard Name: Gas and Vapor Detectors and Sensors
Standard Edition and Issue Date: 2nd Edition Dated February 3, 2013
Date of Revision: December 21, 2017
Date of Previous Revision of Standard: February 5, 2013

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: ~~**August 27, 2021**~~ ~~**July 7, 2023**~~ **June 30, 2024**

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requests in writing that current requirements be used along with their understanding that their listings will be withdrawn on Effective Date noted above, unless the product is found to comply with new/revised requirements.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: End-of-Life Requirements. 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 Required:

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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.
3	Info	**Glossary**
3.5.1		END-OF-LIFE SIGNAL – A trouble signal at the control panel or remote display and/or indication on the detector, identifying the specific trouble condition intended to annunciate the device or a component has reached the end of its useful life and should be replaced.
17	Info	**Electrical Supervision Test**
17.6		***New section added;*** **End-of-life signal**
17.6.1		The requirements outlined in 17.6.2 - 17.6.4 shall apply to detectors with limited life components but shall not exceed the requirements specified in this standard. The end-of-life signal for detectors employing non-replaceable limited life components shall not exceed a product lifetime of 10 years.
17.6.2		Detectors with limited life components shall produce an end-of-life signal (see 3.5.1) based on the manufacturer's specified lifetime. The end-of-life signal shall repeat once every 30 – 60 seconds ±10 percent. The end-of-life signal may be produced at the detector or the signal may be produced at the control panel if the control panel can identify the specific detector. The end-of-life signal shall be triggered either by an internal timer or by a self-diagnostic test(s) as follows: a) For a detector that employs an internal timer that activates the end-of-life signal, once the maximum specified lifetime is reached, the end-of-life signal shall be initiated. The end-of-life signal can be reset repeatedly for a period not exceeding 72 hours for each period of reset provided that the self-diagnostic test(s) does not result in a trouble signal. The end-of-life signal timer shall not be able to be reset after a maximum of 30 days. The manufacturer shall provide detailed documentation of the timer operation that includes, among other things, a description of how the timer data is affected by either short or long term removal of power to the detector. b) The end-of-life signal shall be allowed to be reset prior to the end of 30 days but shall not be allowed to be reset beyond the maximum of 30 days. c) For a detector that employs a signal generated by a self-diagnostic test, the end-of-life signal shall be initiated once the manufacturer specified fault has been identified. The manufacturer shall provide a detailed description operation

	associated with the self-diagnostic process/procedure, describe a method to verify the self-diagnostic that results in an end-of-life signal and provide the additional equipment necessary to confirm operation of the end-of-life signal within the timelines specified by the manufacturer not exceeding the limits of this standard.
17.6.3	In addition to the requirements outlined in 17.6.2 a), two detectors employing a replaceable battery or batteries shall be subject to the following requirements in the following order: a) The alarm shall be configured to signal its end of life. The alarm shall then be reset once (if the alarm is capable of resetting the end-of-life signal). b) If powered by AC mains or DC mains the primary power shall first be disconnect prior to removing and installing the replacement battery. c) The installed battery (original) shall be replaced with a new battery. d) The new battery shall not be replaced within 15 minutes from removing the original battery. Manufacturer must provide detailed information that outlines the minimum amount of time needed to ensure that the residual power on the alarm has been depleted. e) After replacing the battery, the timer for the end-of-life signal shall not reset, and the timer shall continue from the cumulated end-of-life time which the battery was removed. f) Paragraphs a), b) and c) shall be re-conducted but with the battery replaced one day prior to the maximum end-of-life time period. A second detector may be used for this requirement.
17.6.4	In addition to the requirements outlined in 17.6.2 a), for a detector that employs a replaceable battery but does not employ an end-of-life timer reset, the tests specified in clauses 17.6.3 b), c), d), e) and f) shall be conducted but with the battery being replaced on the first day that the end-of-life signal is generated and the last day following the time period that the unit is not reset as defined in 17.6.2 a).