

STANDARD INFORMATION

Amendment 1: See updated reference to NFPA 1970 in blue below.

THIS SUN REPLACES ALL PREVIOUS UL 913 Standard Update Notices (SUNs).

Standard Name: Standard for Intrinsically Safe Apparatus and Associated Apparatus for Use in Class I, II, III, Division 1, Hazardous (Classified) Locations.

Standard Number: UL 913

Standard Edition and Issue Date: 8th Edition, dated December 6, 2013

Date of Previous Revisions to Standard: September 23, 2011

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: September 3, 2019

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Effective immediately, UL 913: 5th Edition or UL 913: 8th Edition will be used for the evaluation of new products or UL 913: 6th Edition when also covered by NFPA 1970/1981/1982/1983 standard.

Overview: UL 913: Edition 8 requires evaluation and testing to UL 60079-0:2013 and UL 60079-11:2013 which include a much higher level of complexity and conformance requirements versus UL 913: 5th Edition including, but not limited to:

1. New Electrostatic Hazard Requirements for Non-Metallic Enclosures and Enclosure Parts.
2. Increased scrutiny for Metallic Enclosures and Enclosure Parts.
3. Increased Safety Factor Requirements for Spark Ignition.
4. Higher level of required conformance for many Protective Components.
5. New requirements for fuses.
6. New enclosure requirements for both Class I and Class II & III.
7. New Drop Test Requirements.
8. New Battery Requirements.
9. New Requirements for Small Components, PC Boards, and Wiring.
10. New requirements for connections (field, internal, and permanently-connected-cables).
11. New PC Board Coatings requirements.
12. Addition of new required testing, both type and routine testing.
13. New requirements for isolating elements (transformers, blocking capacitors, optos).



Continued Certification Approach:

After September 3, 2019:

- All new listings must be evaluated to UL 913: 5th Edition or UL 913: 8th Edition or UL 913: 6th Edition when also covered by NFPA [1970/1981/1982/1983](#) standard.
- UL 913: 5th Edition. Existing listings may remain at 5th Edition. Future product design changes must comply with the requirements of this edition (UL 913: 5th Edition).
- UL 913: 6th Edition. Existing listings may remain at 6th edition unless a design change is made to the product that requires a certification decision. If a design change is needed, then the complete listing including changes must be evaluated for complete revision to either UL 913: 5th Edition or UL 913: 8th Edition.
- UL 913: 6th Edition (NFPA 1981/1982/1983). Existing listings falling under the scope of
 1. NFPA 1981 [Open-Circuit Self-Contained Breathing Apparatus (SCBA) for Emergency Services],
 2. NFPA 1982 [Personal Alert Safety Systems (PASS)] or
 3. NFPA 1983 [Life Safety Rope and Equipment for Emergency Services 1983
 4. [NFPA 1970 Standard on Protective Ensembles for Structural and Proximity Firefighting, Work Apparel, Open-Circuit Self-Contained Breathing Apparatus \(SCBA\) for Emergency Services, and Personal Alert Safety Systems \(PASS\)](#)

may remain at 6th edition. Future product design changes must comply with the requirements of this edition and applicable NFPA standard as long as the NFPA standard still references UL 913 6th edition.

- UL 913: 7th Edition. Existing listings may remain at 7th edition unless a design change is made to the product that requires a certification decision. If a design change is needed, then the complete listing including changes must be evaluated for complete revision to either UL 913: 5th Edition or UL 913: 8th Edition.
- UL 913: Pre-Fifth Edition – All products Listed to prior editions of UL 913 (i.e., Fourth edition, Third edition, etc.) were required to have successfully undergone a standards update. Products listed to UL 913 Fourth Edition or earlier are no longer eligible to bear the ETL Mark and their listings have been suspended.

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.