UL RP 120002

Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations

Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations, UL RP 120002

Second Edition, Dated March 3, 2022

Summary of Topics

This new second edition ANSI/UL RP 120002 dated March 3, 2022, is being issued to redesignate the Standard for Safety for the Certificate Standard for AEx Equipment for Hazardous (Classified) Locations to the Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations.

These requirements are substantially in accordance with Proposal(s) on this subject dated October 29, 2021 and January 21, 2022.

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MARCH 3, 2022

ANSI/UL RP 120002-2022

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Recommended Practice for Certificates for Equipment for Hazardous (Classified) Locations

First Edition – August, 2014

Second Edition

March 3, 2022

This ANSI/UL Recommended Practice consists of the Second Edition.

The most recent designation of ANSI/UL RP 120002 as an American National Standard (ANSI) occurred on March 3, 2022. ANSI approval for a Recommended Practice does not include the Cover Page, Transmittal Pages, and Title Page.

Comments or proposals for revisions on any part of the Recommended Practice may be submitted to UL at any time. Proposals should be submitted via a Proposal Request in UL's On-Line Collaborative Standards Development System (CSDS) at https://csds.ul.com.

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Preface

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1 Scope

1.1 This recommended practice identifies elements of certificates for equipment for hazardous (classified) locations.

NOTE 1: The recommended practice can be used for equipment under either the Division or Zone area classification systems.

NOTE 2: This recommended practice relates to equipment intended for use in a Hazardous (Classified) Location or for equipment intended to be connected to a system that contains a Hazardous (Classified) Location.

NOTE 3: Certificates can be requested by, and used by, end users or installers of equipment in order to document the suitability of equipment to the Authority Having Jurisdiction (AHJ).

2 Units of Measurement

2.1 Values stated without parentheses are the requirement. Values in parentheses are explanatory or approximate information.

3 Reference Publications

3.1 Products covered by this guidance document should comply with the referenced installation codes and standards noted in this clause as applicable.

3.2 Where reference is made to any Standards, such reference shall be considered to refer to the latest editions and revisions thereto available at the time of printing unless otherwise specified.

ISO/IEC 80079-34, *Explosive Atmospheres – Part 34: Application of Quality Systems for Equipment Manufacture*

UL 60079-0, *Explosive Atmospheres – Part 0: Equipment – General Requirements*

UL 80079-36, *Explosive Atmospheres – Part 36: Non-electrical equipment for explosive atmospheres – Basic method and requirements*

UL 120101, *Definitions and Information Pertaining to Electrical Equipment in Hazardous (Classified) Locations*

NFPA 70, *National Electrical Code (NEC)*

4 Glossary

4.1 For the purpose of this recommended practice, the following definitions apply.

4.2 CERTIFICATE – Document that conveys the assurance of the conformity of a product, process, system, person, or organization with specified requirements. [SOURCE: UL 60079-0]

NOTE: “Certification” is a conformity assessment by a third party which results in listing or labelling, whereas a “certificate” can be prepared by a first, second, or third party.

4.3 CERTIFICATE HOLDER – The entity whose name is used on, or in conjunction with, a product and appears on the certificate.

4.4 EQUIPMENT – General term including apparatus, fittings, devices, components and the like used as a part of, or in connection with an installation. [SOURCE: UL 60079-0]

4.5 HAZARDOUS (CLASSIFIED) LOCATIONS – Locations where fire or explosion hazards may exist due to flammable gases, flammable liquid-produced vapors, combustible-liquid-produced vapors, combustible dusts, or ignitible fibers/flyings. Commonly abbreviated “HazLoc”. [SOURCE: UL 120101]

4.6 MANUFACTURER – An organization, situated at a stated location or locations, that carries out or controls such stages in the manufacture, assessment, handling and storage of a product that enables it to accept responsibility for continued compliance of the product with relevant requirements and undertakes all obligations in that connection. [SOURCE: ISO/IEC 80079-34]

4.7 MARKING – Identification showing the equipment has been evaluated for use in a Hazardous (Classified) Location environment. [SOURCE: NFPA 70 (NEC)]

NOTE: As applicable per NFPA 70 500.8, 505.9, 506.9, UL 60079-0 or UL 80079-36, this may include the Type of Protection or Protection Technique and other markings.

4.8 TEST REPORT – A documented record of the obtained test and assessment results for endorsement, demonstrating that the examined product type is in conformity with specified Standards.

4.9 TYPE OF PROTECTION – Specific measures applied to electrical or non-electrical equipment to minimize the risk of ignition of a surrounding explosive atmosphere. [SOURCE: UL 60079-0 and UL 80079-36]

4.10 PROTECTION TECHNIQUE – See 4.9 Type of Protection.

5 Certificates

5.1 The certificate should incorporate the following elements, as applicable:

No.	Element	Comment, example or clarification
(1)	Certificate number	A unique identification (some Certificate schemes have a required format).
(2)	Certificate Revision	A unique identification of revision level of the Certificate.
(3)	Equipment Identification	Model code structure with any permitted variations, including a limitation to specific serial number(s), if applicable.
(4)	Certificate Holder	Entity responsible for the equipment to which the Certificate applies.
(5)	Test Report Identifier	A unique identification for the assessment report on which the Certificate is based.
(6)	Applicable Standards	Standards, including edition or year of issue, to which the equipment was assessed.
(7)	Equipment Marking	Identification of hazardous (classified) location in which the equipment may be used: NOTE 1: While T_{code} and ambient temperatures are optional on the Certificate, they are required equipment marking except when permitted otherwise by the NEC, and Class I is optional for Zones per the NEC and UL 60079-0. NOTE 2: Equipment HazLoc Marking field can also include the Protection technique(s) or Type(s) of Protection.