



# Global market access for HazLoc Equipment Assemblies

**Our streamlined process can help simplify your certification solutions.**

UL can help streamline the certification of custom-built hazardous locations (HazLoc) Ex equipment assemblies. IEC 60079-46 is the new “skid” standard.



## Custom-built skids

For hazardous locations (HazLoc) equipment assemblies, commonly referred to as skids, it can be difficult to verify compliance if you only consider the individual components. This difficulty can delay getting your product to global markets. In order to streamline acceptance by the end user or code authority, a skid produced by an assembly manufacturer can be evaluated as a complete, integrated system of individual pieces of equipment.

- Skid assemblies for use in ordinary (unclassified) locations can be evaluated in accordance with parts 1 and 2 of UL 2011, which include requirements for general use for shock and fire.
- Skid assemblies for use in hazardous (classified) locations can be certified under all parts of UL 2011. Additionally, the HazLoc aspects may require additional protection technique standards to be applied. Wiring would need to comply with the applicable HazLoc parts of the National Electrical Code (NEC).
- IECEx equipment assemblies are evaluated in accordance with IEC 60079-46. This standard was specifically written to address concerns related to certification of hazardous locations equipment assemblies. For wiring methods, IEC 60079-14 would be used. IEC 60079-46 requires the equipment to also be evaluated for non-electrical ignition hazards using ISO 80079-36. For individual pieces of hazardous locations-rated equipment, we can assist with verification of the conditions of use and development of the documentation package.
- ATEX Ex skid assemblies can be covered by the European ATEX Directive, involving the EN 60079 series of standards (including EN 50381 for transportable ventilated rooms) and EN/ISO 80079-36.



## Additional custom built equipment services

- **UL's Field Evaluations** are conducted by our technical staff who evaluate equipment on-site for safety in the field, including testing, construction examination and installation review of products that have already been installed with fast and efficient response to meet the tightest schedules.
- **UL's Limited Production Certification (LPC)** for custom-built or limited quantity of products is performed at your facility or another location. This includes an inspection of the equipment and component verification that can result in UL certification. We can also conduct testing if necessary.
- **ATEX and IECEx unit verification** provides certification for customized equipment that is intended to be used in a potentially explosive atmosphere and for installation in the EU or other international applications, including the North Sea.
- **Offshore inspections and certifications** provide rapid response to offshore certification needs with a team of technical engineering experts versed in NEC-, ATEX-, CEC- and IECEx-based certification and technical requirements.
- **Advisory Services** from UL can also provide advisory support including Technical File preparation, Inspection support to API standards or engineering specifications, Training, and Personnel Competency validation.

## Our hazardous locations certification process



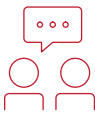
### 1 - Prepare application

- Product information
- Applicable protection methods (if available)
- Desired geographic regions for market access
- Desired timeframe and type of service



### 2 - Apply online

Manufacturer requests quote via HazLoc@ul.com or our HazLoc App



### 3 - Discovery call

We will contact you to review the request, define project scope and develop a certification solution and quotation.



### 4 - Project initiated

Quote is accepted, a project is established and a UL engineer will contact you.

## Why choose UL?

We drive global research and standards to continually advance and meet ever-evolving product safety, performance and interoperability needs. Our global network of technical experts and state-of-the-art facilities, along with our longstanding relationships with regulatory authorities, partner laboratories and industry technical leaders, help manufacturers gain the compliance credentials they need to compete in a more complex global supply chain.

**Knowledge you can trust** – Our experienced staff will support you from the initial development stage of product development through testing and production. Our experts can assist you in understanding the certification requirements for your specific markets.

**Speed and efficiency** – Our cost-effective systems and state-of-the-art facilities cut through the red tape and help accelerate your time to market.

**Single source provider** – We meet all of your compliance needs and, by bundling safety, performance and interoperability services, also help save you valuable time and money.

**Global reach and access** – Our global network of expert engineers helps you understand the various national and global requirements for your specific market application.

To learn more, call 1.877.854.3577, visit us at [UL.com/contact-HazLoc](https://www.ul.com/contact-HazLoc) or email [HazLoc@UL.com](mailto:HazLoc@UL.com)



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