

NEBS TESTING

NEBS is a common set of safety, spatial, and environment design guidelines applied to telecommunications equipment.

Our extensive lab capabilities allow expertly performed NEBS testing in one efficient and fully equipped facility, which provides our customers total quality assurance and complete satisfaction.



Getting your product into the North American Telecom Network is easier than ever with the help of Intertek.

Intertek is the only full-service telecom lab with over 25 years of industry experience. We're the experts in GR-63, GR-1089 (NEBS), GR-487, GR-3108 (OSP) and ETSI standards. When you work with Intertek, you are guaranteed the knowledge and testing excellence that only an experienced testing partner can provide.

U.S. Service Providers require that equipment be NEBS tested and compliant before installing it anywhere in the network. The NEBS requirements are applied and required from end to end whether the product is installed indoors or in the Outside Plant (OSP). When your product is NEBS compliant, you can be confident that it will not compromise network integrity and that it demonstrates reliability though a wide range of environmental and electrical extremes – two issues of utmost importance to the Service Providers.

Intertek's NEBS Certified Mark

Intertek's proprietary NEBS certification mark indicates recognized compliance to North American standards for the Telecom industry. When you display the Intertek NEBS mark on your product, you are showing that it is in compliance with the applicable NEBS testing criteria for NEBS standards GR-63-CORE and GR-1089-CORE.

The NEBS Process

- **Step One**
Notify your Intertek representative that you need NEBS Certification
- **Step Two**
Determine the applicable NEBS and Service Provider specific requirements your product must meet.
- **Step Three**
When your product is found compliant, you'll be issued a NEBS certificate and report; your product will bear Intertek's NEBS Certified Mark; proof to buyers that your product has met all applicable requirements.

NEBS requirements can vary depending on which service provider you are selling your equipment to and how that equipment connects to the network. Many service providers require additional testing beyond the NEBS requirements called out in GR-63-CORE and GR-1089-CORE.





Your Direct Line to NEBS and ETSI Testing

Partnering with Intertek enables you to work directly with our experts to track test progress and you'll be promptly informed of your product's status throughout the entire process.

If you need both NEBS for the U.S. and ETSI testing (European Telecommunications Standards for the European Union, the equivalent to NEBS standards in the United States), call on Intertek. Many of the same tests can be applied to the requirements of both standards, reducing time to market and overall costs with concurrent testing.

In addition to NEBS and ETSI testing, Intertek can provide complete electrical safety testing and certification services including the ETL Listed Mark for North America; CE, GS, and S Marking for Europe; and the NOM Mark for Mexico. Our telecom expertise and quick turnaround will help you get to market quickly.

Intertek is a Verizon Independent Testing Laboratory (ITL) under the NEBS Testing Certification Program (NEBS-TCP).

New Markets for Your Telecom Equipment

As the Telecom Network continues its' fast and furious growth in support of 5G and the Internet of Things (IoT), the Smart Grid provides another area of growth for Communications and Network Telecom Equipment. Smart Grid infrastructure and communications equipment must meet the requirements called out in IEC 61850 and IEEE 1613 before being deployed in the field.

In many cases the same hardened telecom equipment that is being evaluated to telecom service providers' requirements for the telco network can also be evaluated concurrently to IEC 61850-3 and IEEE 1613 for deploy in the grid.

Whether you are testing to ETSI requirements for the European market, GR-63, GR-1089 or GR-3108 for the US telecom market or EMC requirements for markets around the globe, Intertek's Connected World team can help you navigate these requirements and assist in bundling them into an efficient test plan.

About Intertek

Intertek's Connected World services address the emerging security risks and performance challenges of today's sophisticated networks and devices, giving you confidence in your product to power ahead safely. Our team works with you to ensure successful launches and increase your clients' satisfaction.

Intertek is a leading Total Quality Assurance provider to industries worldwide. Our network of more than 1,000 laboratories and offices and over 44,000 people in more than 100 countries, delivers innovative and bespoke Assurance, Testing, Inspection and Certification solutions for our customers' operations and supply chains. Intertek Total Quality Assurance expertise, delivered consistently with precision, pace and passion, enabling our customers to power ahead safely.

FOR MORE INFORMATION



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