

ASTA TYPE TEST CERTIFICATION

Assurance of product safety for bespoke equipment





Intertek, a leading Total Quality Assurance provider to industries worldwide with innovative, customised commercial and compliance solutions worldwide.

Intertek ASTA UK is a founding member of the Short-Circuit Testing Liaison (STL) and has held the secretariat of the STL since its inception in 1969. Intertek ASTA has a supporting network of over 30 independent ISO/IEC 17025 accredited test laboratories which operate under Intertek RTL scheme to help support the ASTA Test Type Certification. Intertek actively contributes to the standard committees in the low and high

voltage fields at national and international level.

The Challenge

When full product approval is not appropriate for bespoke or short run products or long lifetime, how can manufacturers reassure their supply chain that a product has undergone safety testing to minimise their product liability and that testing is credible

and has been specified and assessed by a globally trusted, independent expert?

The Solution

By using Type Test Certification from Intertek. This service created for manufacturers of bespoke, short run or long lifetime products in the transmission, distribution & installation fields, brings an assurance of product safety to everyone in the supply chain.



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The Benefits

Type Test Certificates from Intertek are increasingly required by electrical contractors, project specifiers and purchasers as 'proof-positive' that a product is tested, assured and safe. Having evidence of certified testing enables them to confidently supply their clients with your goods, minimising any chances of product liability and meeting their regulatory obligations to provide safe products.

Type Test Certification also provides excellent documentary evidence to support a manufacturer's Declaration of Conformity with the essential requirements of the applicable directives. Test Certificates are issued when samples of a particular product design have been tested satisfactorily against the requirements of a National, European or International standard

Several forms of these Certificates are available as follows

Certificate of Type/Verification Tests:

Verifies complete series of type/verification tests prescribed in a Standard has been made successfully.

Certificate of Selected Type/Verification Tests:

Verifies specified type/verification tests have been made successfully

Certificate of Short-Circuit Rating:

Verifies the short-circuit performance of the design. The Certificate may include the results of other type tests, e.g. mechanical endurance tests.

Supplementary Certificate: Extends the scope of an existing Certificate to cover changes in rating or in design

ASTA Test Report: An ASTA Test Report is issued when tests otherwise satisfactory cannot be included in a Certificate for one or more reasons, e.g. verification of non-standard ratings

Technical guides (Whitepaper and thought leadership):

Intertek ASTA produces technical guides (including whitepaper) which give specific guidance on the interpretation and application of International and National Standards. Topics covered include latest technical guide for laboratories (ASTA Technical Instructions ATI 61439-2) and whitepapers on topics such as device substitution – IEC 61439

ASTA offers testing and certification services for the following (but not restricted to) standards and equipment:

- Current Transformer- IEC 61869 series
- Power Transformers- IEC 60076 Series
- High Voltage Circuit Breakers- IEC 62271-100
- High Current Alternating Current Disconnectors & Earthing Switches- IEC 6227-102
- High Voltage Alternating Current Switch-Fuse Combinations- IEC 6227-105
- High Voltage Metal Enclosed switchgear &

control gear- IEC 62271-200

- Internal fault(Arc) Test- IEC 62271-200 Annex A& IEC TR 61641
- High Voltage cables- IEC 60502
- Conductors for overhead Lines-BS EN 50183
- Low Voltage switchgear and control gear equipment- IEC 61439

The ASTA Diamond Mark

ASTA Diamond Approval provides you with the compelling evidence of product safety should you ever face a product liability challenge. It indicates a due diligence has been taken to ensure product safety and that you have an ongoing commitment to make every unit in a production run equally as safe as the last - as your factory and processes are regularly audited as part of the Approval to ensure consistent manufacture. It can be applied to products including plugs and socket outlets, adaptors, transformers, distribution systems, consumer units, switches and busbar systems.

The ASTA Diamond Mark on a product offers a visible assurance to all of full product safety testing, factory inspection and ongoing surveillance activities to ensure the ongoing safety of the product. An ASTA Diamond Approval is also excellent evidence to support your declaration of conformity, CE Marking activities and G marking requirements.

Our direct knowledge of the standards as they relate to your specific product is what sets us apart.



Intertek

From concept through market entry, Intertek helps you do it right the first time and reach the market faster.

Our ATIC offer

- At Intertek, our customer's needs are our priority. Whether you're faced with legal energy efficiency requirements or need a custom-made assessment programme, we can help
- Our team assesses everything from raw materials, foods, toys and clothing to electrical equipment, energy technology, medical devices and transportation technologies; so our product insight can be a valuable resource to your development team
- We are an independent test and assessment laboratory, recognised across the world for our expertise and professionalism as we provide both qualitative and quantitative assessment data
- Having been in business since 1896, we have vast experience in working with emerging technology and innovations
- We are already trusted by hundreds of the world's leading brands to provide product assessment and insight

About Intertek

For more than 130 years, companies around the world have depended on Intertek to help ensure the quality and safety of their products, processes and systems.

We go beyond testing, inspecting and certifying products; we are a Total Quality Assurance provider to industries worldwide. Through our global network of state-of-the-art facilities and industry-leading technical expertise we provide innovative and bespoke Assurance, Testing, Inspection and Certification services to customers.

Our Purpose

Bringing quality and safety to life.

Our Mission

To exceed our customers' expectations with innovative and bespoke Assurance, Testing, Inspection and Certification services for their operations and supply chain. Globally. 24/7.

Our Vision

To be the world's most trusted partner for Quality Assurance.

Our Values

- We are a global family that values diversity.
- We always do the right thing. With precision, pace and passion.
- We trust each other and have fun winning together.
- We own and shape our future.
- We create sustainable growth. For All.

Intertek Total Quality Assurance expertise, delivered consistently, with precision, pace and passion, enabling our customers to power ahead safely.



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