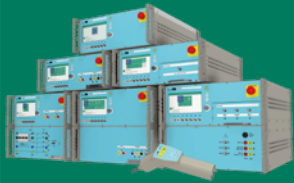


LIGHTNING TESTING INFOSHEET

WE CREATE EXPERTS



Developed over 20 years, our indirect lightning test equipment has proved its reliability with customers around the world and helped build our reputation within the aerospace industry.



We work closely with aircraft OEMs and suppliers, building a fund of knowledge which we share with customers in the form of our constantly evolving test equipment offering.



We help shape international standards as members of several working groups and committees within the SAE and EUROCAE. We bring our experience to help shape future standards enhancing safety for aircraft and the travelling public.

Sharing Knowledge

The realisation of a compliant and reliable test system for indirect lightning requires a lot of background knowledge and experience.

We do not only sell test solutions, but provide support such as installation and training for customers worldwide.

Our on-site training program delivers increased customer understanding through real world test examples and complete documentation package including test guides. Included in the package and also free to download, is our wallchart. Providing practical information in a compact and easily understandable form. They also look good in the laboratory.

Application

Indirect lightning standards have been developed over many decades. The current RTCA DO-160 / EUROCAE ED14 are the result of practical experiences and measurements on aircraft systems. EMC PARTNER are part of this process helping to develop the standards from a user's perspective. Section 22 includes 5 test levels with impulses applied as PIN injection to assess damage tolerance or cable bundle for functional upset. Impulses can be applied as single stroke, multiple stroke or multiple burst events, which require a test system comprising impulse generators and coupling transformers.

The latest edition of MIL-STD-461 has incorporated the cable bundle tests as requirements for internal and externally mounted systems.