

Fire & security

Construction Products Regulation (CPR) 2011/305/EC

Products of fire detection and fire alarm systems must be tested and type approved according to the Construction Products Regulation 2011/305/EC in order to be marketed and sold on the European marketplace. EMC and environmental testing plus investigation of function, design and interoperability are the typical requirements. Certification and annual factory inspections safeguard your production process.

Notified Laboratory

In order to get a product approved according to the CPR, it is required that type testing is performed by a notified testing laboratory. The Nemko notification comprises:

- EN 54-2 (Control and indicating equipment)
- EN 54-3 (Sounders)
- EN 54-4 (Power supply equipment)
- EN 54-11 (Manual call points)
- EN 54-16 (Voice announcement control and indicating equipment)
- EN 54-17 (Short-circuit isolators)
- EN 54-18 (Input/Output devices)

Notified Certification Body

When testing is completed, your technical file will be evaluated by the notified certification body at Nemko. Provided all requirements are met, the type certificate will be issued.

- EN 54-2 (Control and indicating equipment)
- EN 54-3 (Sounders)
- EN 54-4 (Power supply equipment)
- EN 54-5 (Point heat detectors)
- EN 54-7 (Point smoke detectors)
- EN 54-11 (Manual call points)
- EN 54-12 (Line smoke detectors)
- EN 54-16 (Voice announcement control and indicating equipment)
- EN 54-17 (Short-circuit isolators)
- EN 54-18 (Input/Output devices)

Notified Inspection Body

In order for the initial certification to be issued, and for the subsequent years of the life-cycle of the certificate, factory inspections are carried out to ensure that the certification rules are maintained for the production.

One-stop shopping!

Products of fire detection and fire alarm systems are subject to several directive requirements. Make sure to add them all into your testing scope, and benefit from faster market access! By letting the laboratory carry out testing for all relevant directives, all tests can be carried out once. It saves time and money!

EMC Directive

Products of fire detection and fire alarm systems will meet additional EMC requirements in order to prove compliance to the EMC Directive 2004/108/EC. Nemko offer complete EMC testing to cover both CPR and EMCD.

Low Voltage Directive (LVD)

Control and indicating equipment and power supply equipment are also subject to requirements of the LVD. Safety testing for LVD is offered by Nemko, as well as a broad scope of optional certification types for European and international markets.

Marine Equipment Directive (MED)

Products of fire detection and fire alarm systems intended to be used on-board ships will also be met by maritime test requirements and type approval schemes.

Nemko can provide full maritime testing, including climatic and mechanical testing, plus type certification and factory inspection services for the Marine Equipment Directive (MED) 96/98/EC as well.

Radio and Telecommunications Terminal Equipment Directive (R&TTE)

Wireless communication technologies triggers additional testing requirements and approvals. Nemko offers broad testing services and certification of radio/wireless communication in fire detection and fire alarm systems.

Contact Nemko for a review of your product situation, and let us assist you in finding the best testing scheme suitable at your site. Have Nemko prepare the test plan and test reports required to prove compliance with the requested regulations.

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