

Environmental testing and EMC Proficiency Testing 2023

Background Information

In cooperation with the consulting company 4TIERS GmbH from Hamburg, Germany, we have developed a new new proficiency testing program in the field of environmental testing and EMC. Initially, the focus will be on the following test areas:

- **Vibration / Shock**
- **Electromagnetic compatibility (EMC)**

Specimens specially developed for proficiency tests will be sent from laboratory to laboratory. This means that all laboratories perform the tests on the same test specimen, which is returned to us after the test.



Your benefit

Our newly developed proficiency testing program closes a gap for all accredited laboratories in the field of **environmental testing and EMC**. Until now, laboratories had to make use of interlaboratory comparisons or other comparative measurements. Now our professionally organized proficiency testing program can help to fulfill the requirements of accreditation.

By participating in our proficiency testing schemes you have an objective and independent impression of your quality and performance of your routine testing method. Your benefits taking part in DRRR proficiency testing schemes:

- Participation in proficiency testing is required by several facilities
- Participants can compare, assure and improve their own performance and quality
- Recognition of the applied method compared to the other laboratories
- Unquestionable lab performance towards customers and certification authorities
- Saving costs of lab development and maintenance
- Saving on the working time in the lab and many other benefits



Registration/information

Simply brilliant, your proficiency testing with ODIN.

Convenient proficiency testing participation with ODIN easy, safe and clearly

- Direct booking of proficiency testing schemes in our online catalogue
- Overview about the registered proficiency testing schemes
- Fast and secure submission of your results via ODIN
- Online access to individual customers reports and certificates

You can also use the following pages as a registration form or download them on our homepage:

[Proficiency testing 2023 - Environmental-testing and EMC](#)



For questions and suggestions do not hesitate to contact us!

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Environmental testing and EMC Registration for 2023

| Art. no. | Standard | Proficiency testing type | Period (start): | Price (Netto plus VAT and Shipping) |
|---|---|--|-----------------|-------------------------------------|
| Vibration: | | | | |
| 2010929 | Test package I IEC 60068-2-6 IEC 60068-2-27 IEC 60068-2-64 | <input type="checkbox"/> includes task a.) and b.) Vibration (sinusoidal) Shock Vibration, broadband random | Mar-23 | 1.600 € |
| 2011035 | Test package III IEC 60068-2-6 IEC 60068-2-64 | <input type="checkbox"/> includes task a.) and b.) Vibration (sinusoidal) Vibration, broadband random | Jun-23 | 1.600 € |
| Shock: | | | | |
| 2011034 | Test package II IEC 60068-2-27 | <input type="checkbox"/> includes task a.) Shock | May-23 | 1.600 € |
| <p>The test consists of different tasks:</p> <p>a.) Qualification of the main/transverse movement with evaluation of the disturbance sensitivity as an interaction between test specimen and testing machine.</p> <p>b.) Measurement of the characteristic resonance frequencies of the test specimen</p> | | | | |
| Electromagnetic compatibility (EMC): | | | | |
| <p>The EMC test object is identical for all test tasks and consists of a tabletop unit with 230 VAC / 50 Hz / 10 A supply connection (single-phase). Operation is via an integrated touch display with intuitive user interface.</p> | | | | |
| Art. no. | Standard | Proficiency testing type | Period (start): | Price (Netto plus VAT and Shipping) |
| Part I - Radiated Emission: | | | | |
| 2011064 | ABD0100.1.2 (sec. 3.4.5) | <input type="checkbox"/> Emission of Radio Frequency Energy 2 MHz - 6 GHz Limit value / test level: gem. RTCA DO-160 | May-23 | 1.750 € |
| 2011065 | RTCA DO-160 (section 21) | <input type="checkbox"/> Emission of Radio Frequency Energy 2 MHz - 6 GHz Limit value / test level: Cat L, M, H | May-23 | 1.750 € |
| 2011066 | MIL-STD461 (RE102) | <input type="checkbox"/> Radiated Emissions - Electric Field 10 kHz - 18 GHz Limit value / test level: all | May-23 | 1.750 € |
| 2011067 | AECTP 500 (NRE02) | <input type="checkbox"/> Radiated Emissions - Electric Field 10 kHz - 18 GHz Limit value / test level: all | May-23 | 1.750 € |
| 2011068 | VG95373-12 (SA04G) | <input type="checkbox"/> Measurement of radiated emissions 30 MHz - 18 GHz Limit value / test level: GK1 to GK4 | May-23 | 1.750 € |
| 2011069 | DNV-CG-0339 (sec. 14.11) | <input type="checkbox"/> Radiated emission 30 MHz - 6 GHz Limit value / test level: EMC A and B | May-23 | 1.750 € |
| 2011070 | IACS E10 (No. 19) | <input type="checkbox"/> Electromagnetic field (E-Field) 30 MHz - 6 GHz Limit value / test level: all | May-23 | 1.750 € |
| 2011071 | Lloyd's Register No. 1 (section 29) | <input type="checkbox"/> Radiated emission (E-Field) 30 MHz - 6 GHz Limit value / test level: all | May-23 | 1.750 € |
| 2011072 | CISPR 25 | <input type="checkbox"/> Radiated emissions assemblies - Anechoic chamber 150 kHz - 2.5 GHz Limit value / test level: Class 1-5 | May-23 | 1.750 € |
| 2011073 | UN ECE R10 (6.5) | <input type="checkbox"/> Broadband electromagnetic interference (ESA) Frequency range: 30 MHz - 1 GHz | May-23 | 1.750 € |
| 2011074 | UN ECE R10 (6.6) | <input type="checkbox"/> Narrowband electromagnetic interference (ESA) Frequency range: 30 MHz - 1 GHz | May-23 | 1.750 € |
| 2011075 | EMV06 (Annex E) | <input type="checkbox"/> Radio compatibility - Measurement on devices 0,3 m and 0,7 m Antenna distance 3 m or 10 m | May-23 | 1.750 € |

| Art. no. | Standard | Proficiency testing type | Period (start): | Price (Netto plus VAT and Shipping) |
|--|--|--|-----------------|-------------------------------------|
| Part II - Radiated Susceptibility: | | | | |
| 2011076 | ABD0100.1.2 (sec. 3.3.3) | <input type="checkbox"/> Radio Frequency Susceptibility (Radiated) 100 MHz - 8 GHz Limit value / test level: up to 300 V/m | May-23 | 1.750 € |
| 2011077 | RTCA DO-160 (section 20) | <input type="checkbox"/> Radio Frequency Susceptibility (Radiated) 100 MHz - 18 GHz test level: Cat R, S, T bis 150 V/m, W | May-23 | 1.750 € |
| 2011078 | MIL-STD461 (RS103) | <input type="checkbox"/> Radiated susceptibility - electric field 2 MHz - 40 GHz Limit value / test level: all | May-23 | 1.750 € |
| 2011079 | AECTP 500 (NRS02) | <input type="checkbox"/> Radiated susceptibility - electric field 2 MHz - 40 GHz Limit value / test level: all | May-23 | 1.750 € |
| 2011080 | VG95373-12 (SF03G) | <input type="checkbox"/> Immunity to radiated disturbances 30 MHz - 18 GHz Limit value / test level: GK2 to GK4 | May-23 | 1.750 € |
| 2011081 | DNV-CG-0339 (sec. 14.8) | <input type="checkbox"/> Radiated electromagnetic field immunity 80 MHz - 6 GHz Limit value / test level: 10 V/m | May-23 | 1.750 € |
| 2011082 | IACS E10 (No. 14) | <input type="checkbox"/> Immunity to Radiated Radio Frequency Fields 80 MHz - 6 GHz Limit value / test level: 10 V/m | May-23 | 1.750 € |
| 2011083 | Lloyd's Register No. 1 (section 24) | <input type="checkbox"/> Immunity to Radiated Radio Frequency Fields 80 MHz - 6 GHz Limit value / test level: 10 V/m | May-23 | 1.750 € |
| 2011084 | ISO 11452-2 | <input type="checkbox"/> Electrical disturbances - Absorber-lined shielded enclosure 200 MHz - 18 GHz Limit value / test level: 100 V/m | May-23 | 1.750 € |
| 2011085 | UN ECE R10 (6.8) | <input type="checkbox"/> Immunity (ESA) - electromagnetic radiation - free field 20 MHz - 2000 MHz Limit value / test level: 30 V/m | May-23 | 1.750 € |
| Part III - Radiated Emission / Radiated Susceptibility: | | | | |
| 2011054 | CISPR 16-2-1 EN 55016-2-1 | <input type="checkbox"/> Conducted disturbance | Sep-23 | 1.750 € |
| 2010931 | CISPR 16-2-3 EN 55016-2-1 | <input type="checkbox"/> Radiated disturbance | Sep-23 | 1.750 € |
| 2011055 | IEC 61000-4-2 | <input type="checkbox"/> Electrostatic discharge immunity | Sep-23 | 1.750 € |
| 2010933 | IEC 61000-4-3 | <input type="checkbox"/> Radiated, radio-frequency, electromagnetic field immunity | Sep-23 | 1.750 € |
| 2011057 | IEC 61000-4-4 | <input type="checkbox"/> Electrical fast transient immunity | Sep-23 | 1.750 € |
| 2011058 | IEC 61000-4-5 | <input type="checkbox"/> Surge immunity | Sep-23 | 1.750 € |
| 2011059 | IEC 61000-4-6 | <input type="checkbox"/> Immunity to conducted disturbances (radio-frequency fields) | Sep-23 | 1.750 € |
| 2011060 | IEC 61000-4-8 | <input type="checkbox"/> Power frequency magnetic field immunity | Sep-23 | 1.750 € |
| 2011061 | IEC 61000-4-9 | <input type="checkbox"/> Impulse magnetic field immunity | Sep-23 | 1.750 € |
| 2011062 | IEC 61000-4-10 | <input type="checkbox"/> Damped oscillatory magnetic field immunity | Sep-23 | 1.750 € |
| 2011063 | IEC 61000-4-11 | <input type="checkbox"/> Voltage dips, short interruptions, voltage variations immunity | Sep-23 | 1.750 € |

Environmental testing and EMC Registration for 2023

An offer with the total costs is needed

A Purchase order from the purchasing department will follow

Registration Online portal:

www.odin.drrr.de

Registration by e-mail:

info@DRRR.de

Hereby we confirm obligatorily the participation in the above mentioned test(s)
and the order for the additional sample sets.

company

company (additional line)

contact person

street

post code / city

country

email

VAT-ID (EU)

Date:

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