

# Environmental testing and EMC Proficiency Testing 2024

## 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. For the year 2024 the focus will be on the following test areas:

- **Vibration / Shock**
- **Change of temperature and damp heat**
- **Electromagnetic compatibility (EMC)**
  - **Radiated Emission / Radiated Susceptibility**
  - **Conducted disturbance / Conducted immunity**

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 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 2024 - Environmental-testing and EMC](#)

For questions and suggestions do not hesitate to contact us!

DRRR GmbH  
Reinhartser Straße 31, 87437 Kempten, Germany  
Fon: +49 (0)8 31/960 878-0  
Fax: +49 (0)8 31/960 878-99  
E-mail: [info@DRRR.de](mailto:info@DRRR.de) Website: [www.DRRR.de](http://www.DRRR.de)



# Environmental testing and EMC Registration for 2024

Art. no.	Standard	Proficiency testing type	Period (start):	Price (Netto plus VAT and Shipping)
<b>Vibration / Shock:</b>				
2011035	IEC 60068-2-6, -2-64	<input type="checkbox"/> Vibration - sinusoidal / broadband random	Feb-24	1.760 €
2011107	IEC 60068-2-6, -2-64	<input type="checkbox"/> Vibration - sinusoidal / broadband random (round 2)	May-24	
2011034	IEC 60068-2-27	<input type="checkbox"/> Shock (Peak 500 m/s <sup>2</sup> , 11ms half-sine-shock) Specimen: 25kg, base plate: 400 x 250mm	May-24	
<b>Temperature / damp heat: [NEW!]</b>				
2011194	IEC 60068-2-14	<input type="checkbox"/> Change of temperature (25°C – 55°C)	Mar-24	1.600 €
2011195	IEC 60068-2-30, -2-38	<input type="checkbox"/> Damp heat and temperature/humidity cyclic	Apr-24	
<b>Electromagnetic compatibility (EMC):</b>				
EMC test object: table-top unit with various supply connection options suitable for the specific task, e.g. 230V / 50 Hz, 12 V DC, 28 V DC. Operation is via an integrated touch display with intuitive user interface.				
Art. no.	Standard	Proficiency testing type	Period (start):	Price (Netto plus VAT and Shipping)
<b>Radiated Emission:</b>				
2011065	RTCA DO-160 (sec. 21) ABD0100.1.2 (sec. 3.4.5) BOEING D6-36440	<input type="checkbox"/> Emission of Radio Frequency Energy 2 MHz - 6 GHz	May-24	1.750 €
2011066	MIL-STD461 (RE102) AECTP 500 (NRE02) VG95373-12 (SA04G)	<input type="checkbox"/> Radiated Emissions – Electric Field 10 kHz - 18 GHz	Jul-24	1.750 €
2011070	IACS E10 (No. 19) DNV-CG-0339 (sec. 14.11) Lloyd's Register No. 1 (sec, 29)	<input type="checkbox"/> Radiated emission (E-Field) 30 MHz - 6 GHz	May-24	1.750 €
2011072	CISPR 25	<input type="checkbox"/> Radiated emissions assemblies - Anechoic chamber 150 kHz - 6 GHz	Jul-24	1.750 €
2011074	UN ECE R10 (6.5) / (6.6)	<input type="checkbox"/> Broadband and narrowband electromagnetic interference (ESA) 30 MHz - 1 GHz (BB and NB)	Jul-24	1.750 €
2011075	EMV06 (Annex E)	<input type="checkbox"/> Radio compatibility - Measurement on devices 0,3 m and 0,7 m band   Antenna distance 3 m	May-24	1.750 €
2010931	CISPR 16-2-3 EN 55016-2-3 EN 55011	<input type="checkbox"/> Radiated disturbance 30 MHz - 6 GHz Antenna distance 3 m (EN 55011 up to 1 GHz)	May-24	1.750 €

# Environmental testing and EMC Registration for 2024

Art. no.	Standard	Proficiency testing type	Period (start):	Price (Netto plus VAT and Shipping)
<b>Part II - Radiated Susceptibility:</b>				
2011077	RTCA DO-160 (sec. 20) ABD0100.1.2 (sec. 3.3.3) BOEING D6-36440	<input type="checkbox"/> Radio Frequency Susceptibility (Radiated) 100 MHz - 8 GHz   test level: Cat R	May-24	1.750 €
2011078	MIL-STD461 (RS103) AECTP 500 (NRS02)	<input type="checkbox"/> Radiated susceptibility - electric field 2 MHz - 40 GHz   test level: 50 V/m	Jul-24	1.750 €
2011080	VG95373-13 (SF03G)	<input type="checkbox"/> Immunity to radiated disturbances 30 MHz - 1 GHz   test level: 20 V/m (GK3) 1 GHz - 40 GHz   test level: 63 V/m (GK3)	Jul-24	1.750 €
2011082	IACS E10 (No. 14) DNV-CG-0339 (sec. 14.8) Lloyd's Register No. 1 (sec. 24)	<input type="checkbox"/> Immunity to Radiated Radio Frequency Fields 80 MHz - 6 GHz   Limit value / test level: 10 V/m	May-24	1.750 €
2011084	ISO 11452-2	<input type="checkbox"/> Electrical disturbances - Absorber-lined shielded enclosure 200 MHz - 6 GHz   Limit value / test level: up to 100 V/m	Jul-24	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	Jul-24	1.750 €

Art. no.	Standard	Proficiency testing type	Period (start):	Price (Netto plus VAT and Shipping)
<b>Conducted Emission / disturbance:</b>				
2011054	CISPR 16-2-1 EN 55016-2-1 EN 55011	<input type="checkbox"/> Conducted disturbance 150 kHz - 30 MHz	Sep-24	1.750 €
2011055	IEC 61000-4-2	<input type="checkbox"/> Electrostatic discharge immunity	Sep-24	1.750 €
2010933	IEC 61000-4-3	<input type="checkbox"/> Radiated, radio-frequency, electromagnetic field immunity	Sep-24	1.750 €
2011057	IEC 61000-4-4	<input type="checkbox"/> Electrical fast transient immunity	Sep-24	1.750 €
2011058	IEC 61000-4-5	<input type="checkbox"/> Surge immunity	Sep-24	1.750 €
2011059	IEC 61000-4-6	<input type="checkbox"/> Immunity to conducted disturbances (radio-frequency fields)	Sep-24	1.750 €
2011060	IEC 61000-4-8	<input type="checkbox"/> Power frequency magnetic field immunity	Sep-24	1.750 €
2011061	IEC 61000-4-9	<input type="checkbox"/> Impulse magnetic field immunity	Sep-24	1.750 €
2011062	IEC 61000-4-10	<input type="checkbox"/> Damped oscillatory magnetic field immunity	Sep-24	1.750 €
2011063	IEC 61000-4-11	<input type="checkbox"/> Voltage dips, short interruptions, voltage variations immunity	Sep-24	1.750 €

# Environmental testing and EMC Registration for 2024

- An offer with the total costs is needed  
 A Purchase order from the purchasing department will follow

Registration Online portal: [www.odin.drrr.de](http://www.odin.drrr.de)  
Registration by e-mail: [info@DRRR.de](mailto: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:

**Deutsches Referenzbüro**  
für Ringversuche und Referenzmaterialien  
Reinhartser Straße 31 | 87437 Kempten  
Tel.: +49 (0)8 31/960 878-0 | Fax: +49 (0)8 31/960 878-99  
[www.DRRR.de](http://www.DRRR.de) | [info@DRRR.de](mailto:info@DRRR.de)