

Environmental testing and EMC Proficiency Testing 2027

Background Information

In cooperation with the consulting company 4TIERS GmbH and the service provider EMC-PT GmbH, we have developed a proficiency testing program in the field of environmental testing and EMC. For the year 2027 the focus will be on the following test areas:

- **Vibration / Shock**
- **Change of temperature, damp heat, cold test**
- **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.

4TIERS



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 2027 - 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 Website: www.DRRR.de

Bildquellen:
[iStock.com/lilcrazyfuzzy](https://www.iStock.com/lilcrazyfuzzy)

Proficiency tests - Environmental testing / EMC

Art. no.	Standard	Proficiency testing type ^[A]	Period	To view pricing information:
In cooperation with: LT ERS and EMC PT Login or register				
Environmental testing				
2011035	IEC 60068-2-6, -2-64	☐ Vibration	Mar-27	
2011107	IEC 60068-2-6, -2-64 (round 2)	☐ Vibration	Apr-27	
2011196	IEC 60068-2-6, -2-64 (round 3)	☐ Vibration	Apr-27	
2011034	IEC 60068-2-27	☐ Shock	May-27	
2011194	IEC 60068-2-14	☐ Change of temperature - Test N	Mar-27	
2011332	IEC 60068-2-14 (round 2)	☐ Change of temperature - Test N	Apr-27	
2011195	IEC 60068-2-30, -2-38	☐ Damp heat and temperature-humidity cyclic	Mar-27	
2011250	IEC 60068-2-30, -2-38 (round 2)	☐ Damp heat and temperature-humidity cyclic	May-27	
2011334	IEC 60068-2-30, -2-38 (round 3)	☐ Damp heat and temperature-humidity cyclic	Sep-27	
2011425	IEC 60068-2-1	☐ Cold testing - Test Ae	Feb-27	
2011426	IEC 60068-2-1 (round 2)	☐ Cold testing - Test Ae	Oct-27	
2011548	IEC 60529	☐ Protection against water IPX5	Apr-27	
Electromagnetic compatibility (EMC)				
Part I - Radiated emissions / disturbance:				
2011065	RTCA DO-160 (sec. 21)	☐ Emission of Radio Frequency Energy 2 MHz - 6 GHz	Apr-27	
2011066	MIL-STD461 (RE102) - AECTP 500 (NRE02) - VG95373-12 (SA04G)	☐ Radiated Emissions - Electric Field 10 kHz - 18 GHz	Aug-27	
2011072	CISPR 25	☐ Radiated emissions assemblies - Anechoic chamber 150 kHz - 6 GHz	Aug-27	
2011074	UN ECE R10 (6.5, 6.6)	☐ Broadband and narrowband electromagnetic interference (ESA) 30 MHz - 1 GHz (BB and NB)	Aug-27	
2010931	CISPR 16-2-3 - EN 55016-2-3 - EN 55011	☐ Radiated disturbance 30 MHz - 6 GHz Antenna distance 3 m, (EN 55011 up to 1	Apr-27	
Part II - Radiated susceptibility:				
2011077	RTCA DO-160 (sec. 20)	☐ Radio Frequency Susceptibility (Radiated) 100 MHz - 8 GHz test level: Cat R	Apr-27	
2011078	MIL-STD461 (RS103) - AECTP 500 (NRS02) - VG95373-13 (SF03G)	☐ Radiated susceptibility - electric field 10 kHz - 40 GHz test level: 50 V/m	Aug-27	
2011084	ISO 11452-2	☐ Electrical disturbances - Absorber-lined shielded enclosure 200 MHz - 6 GHz Limit value / test level: bis 100 V/m	Aug-27	
2011085	UN ECE R10 (6.8)	☐ Immunity (ESA) - electromagnetic radiation - free field 20 MHz - 2000 MHz Limit value / test level: 30 V/m	Aug-27	
2010933	IEC 61000-4-3	☐ Radiated, radio-frequency, electromagn. field immunity 80 MHz - 6 GHz Limit value / test level: 10 V/m, 3 V/m	Apr-27	

[A] = For accredited and non-accredited status please see our [Catalogue/ Shop \(ODIN\)](#)

Proficiency tests - Environmental testing / EMC

Art. no.	Standard	Proficiency testing type ^[A]	Period	To view pricing information:
Electromagnetic compatibility (EMC):				Login or register
Part III - Conducted emissions / disturbance:				
2011054	CISPR 16-2-1 - EN 55016-2-1 - EN 55011	☐ Conducted disturbance 150 kHz - 30 MHz	May-27	
2011240	CISPR 25	☐ Conducted disturbances 150 kHz - 108 MHz	Oct-27	
2011241	RTCA DO-160 (sec. 21)	☐ Conducted RF emissions 10 kHz - 200 MHz	Oct-27	
2011242	MIL-STD461 (CE101)	☐ Conducted emissions, audio frequency currents, power leads 30 Hz to 10 kHz	Oct-27	
2011243	MIL-STD461 (CE102)	☐ Conducted emissions, audio frequency currents, power leads 10 kHz to 10 MHz	Oct-27	
2011244	ISO 7637-2 - UN ECE R10 (6.7)	☐ Emission of transient conducted disturbances on supply lines slow (ms) and fast (ns und µs) pulses	Oct-27	
Part IV - Conducted susceptibility:				
2011055	IEC 61000-4-2	☐ Electrostatic discharge immunity	May-27	
2011057	IEC 61000-4-4	☐ Electrical fast transient immunity	May-27	
2011058	IEC 61000-4-5	☐ Surge immunity	May-27	
2011059	IEC 61000-4-6	☐ Immunity - conducted disturbances (radio-frequency fields)	May-27	
2011060	IEC 61000-4-8	☐ Power frequency magnetic field immunity	May-27	
2011061	IEC 61000-4-9	☐ Impulse magnetic field immunity	May-27	
2011063	IEC 61000-4-11	☐ Voltage dips, short interruptions, voltage variations immunity	May-27	
2011245	ISO 11452-4 - UN ECE R10 (6.8)	☐ Immunity (ESA) - bulk current injection (BCI) 10 kHz - 400 MHz	Oct-27	
2011246	RTCA DO-160 (sec. 20)	☐ Conducted Susceptibility (BCI) 10 kHz - 400 MHz	Oct-27	
2011247	MIL-STD461 (CS114)	☐ Conducted susceptibility, bulk cable injection (BCI) 4 kHz - 200 MHz	Oct-27	
2011248	ISO 7637-2 - UN ECE R10 (6.9)	☐ Transient disturbances conducted along supply lines Pulse 1, 2a, 2b, 3a, 3b und 4	Oct-27	
2011249	ISO 10605 (8.3)	☐ Electrostatic discharge (powered-up direct discharges)	May-27	

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Additional samples are required for the following tests:

Quantity	Art.- No./ Proficiency testing type

**If you register for a large number of Proficiency tests
please contact us for special prices!**

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

Registration by 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 (if not Germany)
e-mail
VAT-ID-No. (only EU)

date: