



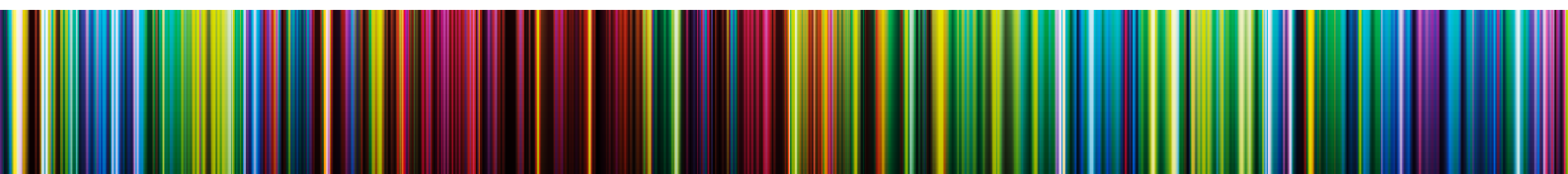
Pioneers for Progress

Environmental Testing for Aircraft and Military Equipment

Public Seminar in English Language
2025-05-12 to 2025-05-13



TEST & CALIBRATION LABORATORY
DIN EN ISO/IEC 17025 ACCREDITED



SEMINAR PROGRAM

Environmental Testing for Aircraft and Military Equipment – Two Days Seminar

Seminar venue

The seminar takes place in the EMCC Seminar Center in Unterleinleiter. It is located at the EMCC Test Labs site, which among others provide various kinds of environmental testing for the military and aviation market. The broad area of activities can be viewed on www.emcc.de.

The environmental group with its associated laboratories is an ideal environment for the seminar. The combination of many years of experience and a wide variety of test facilities makes us the ideal partner for customers in the aerospace and defence sector. This allows participants to combine the theoretical knowledge they have learned with practical application experience in a workshop.

Focus of the seminar are basics of environmental tests according to MIL-STD-810 and EUROCAE ED-14 / RTCA DO-160. Details of test setups are discussed. Discussion and questions will be part of the seminar.

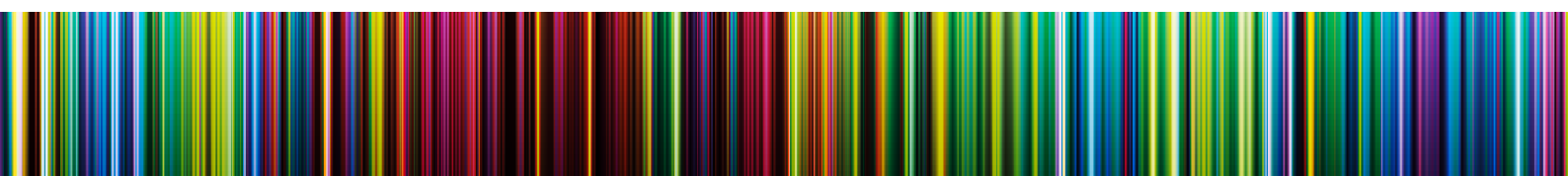
Contents

- ▶ Overview of Environmental Influences Present in Military and Aircraft Environments
- ▶ General Survey and Applicability of Standards
- ▶ Qualification Test Procedures, Creation/Tailoring
- ▶ Associated Test Methods and Procedures for Aircraft and Military Systems and Equipment
- ▶ Description and Comparison of Tests According to MIL-STD-810 and RTCA DO-160
- ▶ Visit of Environmental Test Labs

Who should attend?

- ▶ Beginners in Environmental Testing
- ▶ Young Professionals in Reliability Testing
- ▶ Equipment Designers
- ▶ System Designers and Integrators
- ▶ Certification Staff
- ▶ Environmental Test Staff

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SEMINAR PROGRAM

Environmental Simulation for Aircraft and Military Equipment – Two Days Seminar

Day 1: Environmental Testing Basics*

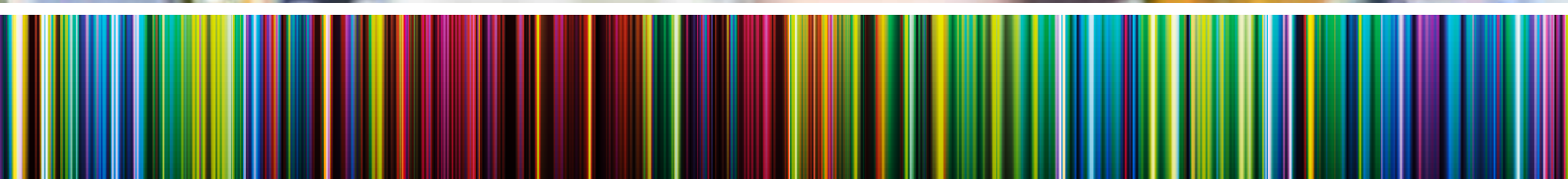
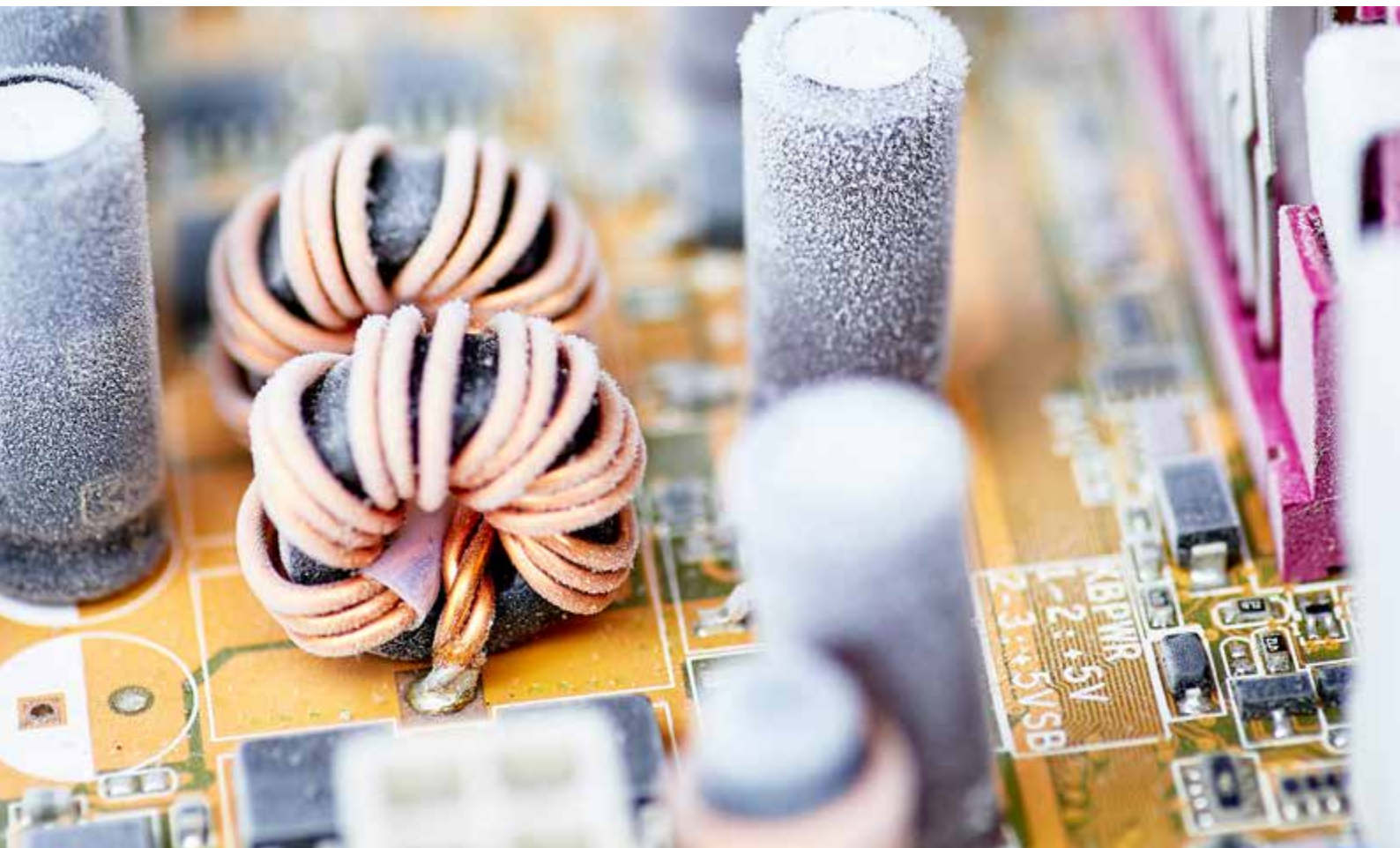
- ▶ Overview of Hazardous Environmental Influences Other Than EMI
- ▶ General Background of Following Test Procedures
 - ▶ Thermal Tests and Icing
 - ▶ Atmospheric Pressure / Altitude
 - ▶ Mechanical Shock and Vibration
- ▶ Proposals for Qualification Test Plan Preparation
- ▶ Purpose, Applicability and Structure of the Standards DO-160 and MIL-STD-810

Day 2: Approach to Compliance and Test*

- ▶ Guided Tour: EMCC Site Unterleinleiter
- ▶ Details Concerning Equipment Under Test and Related Auxiliary Equipment and Their Setup
- ▶ Questions and Answers
- ▶ Practical Exercises in Vibration Measuring and Testing According to the Wishes of the Participants

**Order of topics may change*

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EMCC SEMINARS – TERMS AND CONDITIONS OF PARTICIPATION

Registration: By Mail / E-Mail / Fax / Phone

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Fees

The seminar fee must be paid after receipt of the invoice and the confirmation of booking. All invoices must be paid in advance, 14 days prior to the seminar start at the latest. The costs for all documentation and seminar papers are included in the seminar fee. The seminar fee is subject to VAT if applicable.

Cancellations

No charges will be considered for cancellations received not later than 14 days prior to the event. Cancellations within 13 to 3 working days before the start of the seminar will be liable for 50 % of the seminar fee. After this date cancellations are liable for the full seminar fee. The same applies to non-appearance or interruption. However, we are happy to accept substitute delegates at any time.

Change of Terms

In case of cancellation caused by EMCC DR. RAŠEK (e.g. for sick leave or insufficient number of participants), the entire fee will be refunded. A change of speakers does not legitimate a reduction of the seminar fee or withdrawal of the booking.

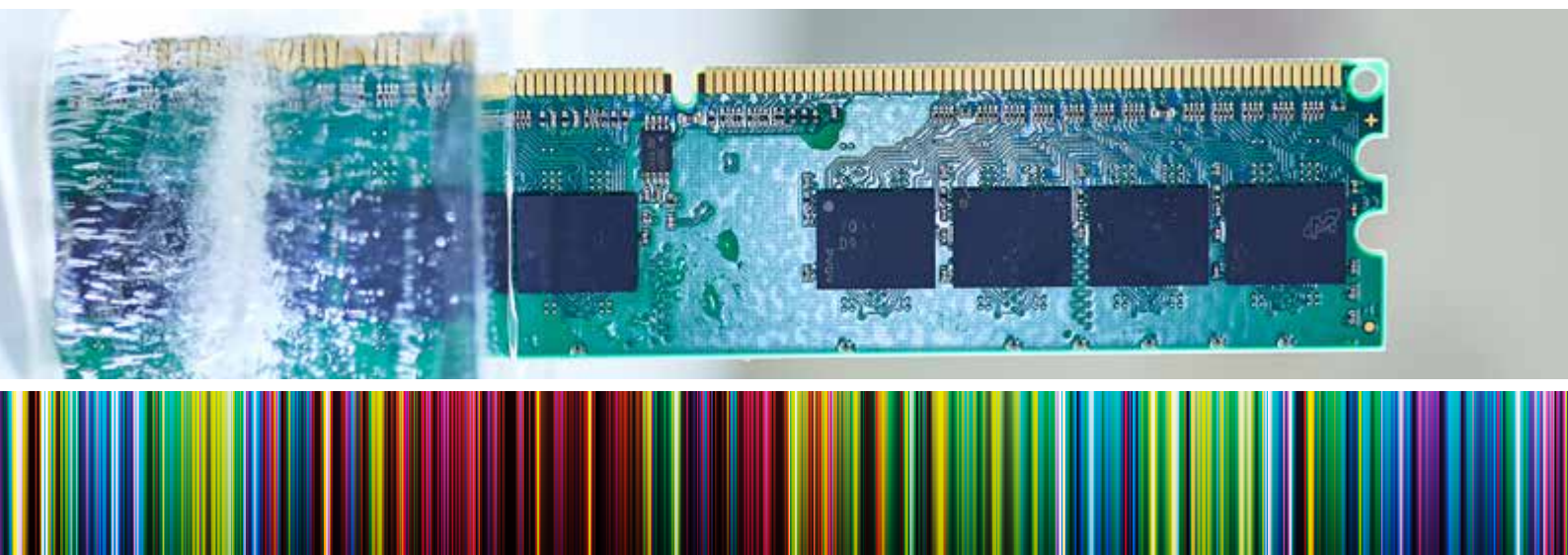
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Place of jurisdiction is Bamberg, Germany.

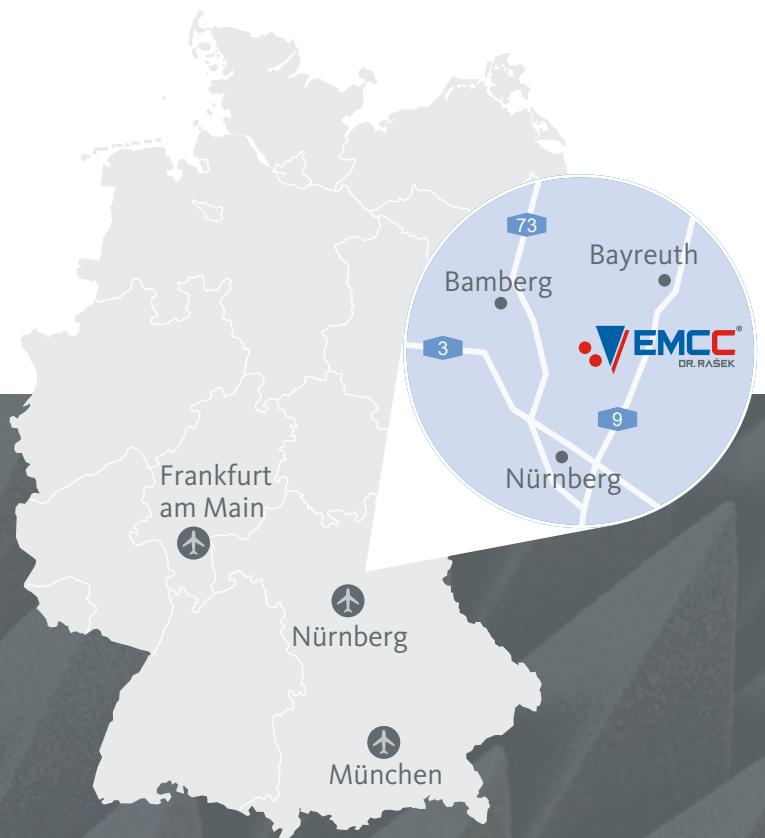
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- ▶ **EMC**
- ▶ **Calibration**
- ▶ **Environmental Simulation**
 - ▶ Thermal and Climatic Testing / Vibration, Shock and Crash Safety Impulse Testing on Electrodynamic Shakers / Corrosion Testing (Salt Spray) / Altitude Simulation and Overpressure Testing / Fluid Susceptibility Testing / IP Testing / Icing Testing / Constant Acceleration and Crash Safety Sustained on Centrifuge / Waterproofness Testing
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