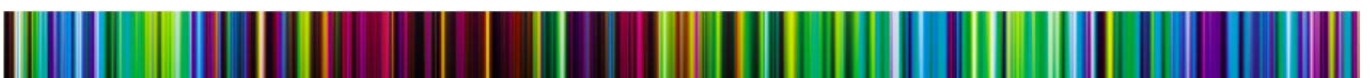


# **ELECTROMAGNETIC COMPATIBILITY CONSULTING & TESTING, CALIBRATIONS, CERTIFICATIONS, COMPONENTS, SEMINARS**

## **EMC-Basics, Test & Measurement Seminar for MIL and Avionic Standards**

**Public Seminar  
in English Language**

**2021-11-10 to 2021-11-12**



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## SEMINAR PROGRAM

11.03.02E1

### EMC-Basics, Test & Measurement Seminar for MIL and Avionic Standards

Three Days Seminar

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#### 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 aircraft EMC services. The broad area of activities can be viewed on [www.EMCC.de](http://www.EMCC.de).

The EMCC aircraft group with the associated labs are an ideal environment for the seminar. The vast experience in aircraft measurements, system and equipment testing is combined with the latest high end test infrastructure. This site is also location of design and manufacture of HIRF generators, NEMP generators and direct as well as indirect lightning generators. These meet and exceed maximum levels of current standards and specifications.

Focus of the seminar are basics of EMC and common EMC testing according to MIL-STD-461 and EUROCAE ED-14 / RTCA DO-160. Details of test setups are discussed, accomplished by practical examples. Discussion and questions will be part of the seminar. Seminar notes in English language are included in the fee as well as lunch snack and coffee breaks.

#### Contents

- EMC-Basics
- Qualification Test Procedures, Creation/Tailoring
- General survey and applicability of standards
- Associated Test Methods and procedures for aircraft and military systems and equipment
- Description and comparison of Tests according to MIL-STD-461 and RTCA DO-160
- Visit of EMC labs

#### Who should attend?

- Beginners in EMC
- Young Professionals in EMC
- EMC technicians and engineers
- Equipment designers
- System designers and integrators
- EMC test staff
- EMC project managers
- Certification staff

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## SEMINAR PROGRAM

11.03.02E2

### EMC-Basics, Test & Measurement Seminar for MIL and Avionic Standards

Three Days Seminar

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#### Day 1: EMC-Basics

History of EMC/EMI  
Examples of EMC/EMI  
Mathematical and physical basics of EMC  
Basic EMC Tests and Test Setups  
Essence of EMC/EMI  
EMC Standards  
Basics of EMI Prevention  
Basic EMC Devices

#### Day 2: General View & Measurement according to RTCA DO-160

Proposals for Qualification Test Plan preparation  
Purpose, Applicability and Structure of the standards RTCA DO-160 and MIL-STD-461  
Details concerning equipment under test and related auxiliary equipment and their setup  
EMC Testing according to EUROCAE ED-14 / RTCA DO-160 including  
- Detailed description of individual EMC Tests / Test Setups  
- Examples  
Guided Tour: EMCC Site Unterleinleiter  
Questions and answers

#### Day 3: Measurement according to MIL-STD-461 & Comparison of MIL & Avionic Standards

EMC Testing according to MIL-STD-461 including  
- Detailed description of individual Tests / Test Setups  
- Examples  
Comparison of selected EMC tests described in RTCA DO-160 and MIL-STD-461  
Guided Tour: EMCC Site Moggast  
Questions and answers

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To  
EMCC DR. RAŠEK  
Seminar Center  
Stoernhofer Berg 15  
91364 Unterleinleiter  
Germany

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F: +49 9194 7262-199

Purchase order #

Reference #

Date

## REGISTRATION FORM

for the **Three Days Seminar # 11.03.02E from 2021-11-10 to 2021-11-12**  
Topic: **EMC-Basics, Test & Measurement Seminar for MIL and Avionic Standards in English language**

Seminar venue: **EMCC DR. RAŠEK Seminar Center, in 91364 Unterleinleiter, Stoernhofer Berg 15, Door #1, Germany, T: +49 9194 7263-0 F: +49 9194 7262-199, E: emc.sem@emcc.de.**

Company: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Address: \_\_\_\_\_  
Postcode/Town/City \_\_\_\_\_  
Telephone: \_\_\_\_\_ Telefax: \_\_\_\_\_ Mail: \_\_\_\_\_

Name of participants (for more participants please use separate sheet): Position:

1. \_\_\_\_\_  
2. \_\_\_\_\_  
3. \_\_\_\_\_  
4. \_\_\_\_\_

**Seminar fees: EUR 2,120.00 per participant, VAT additionally if applicable.**

The EMCC general conditions will be accepted with the booking. Seminar fees are due to receipt of invoice or 14 days before seminar start, latest.

\_\_\_\_\_  
(Place, date)

\_\_\_\_\_  
(Authorized Signature)

**Invoicing Address and VAT number:**

\_\_\_\_\_  
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## EMCC SEMINARS - TERMS AND CONDITIONS OF PARTICIPATION

### REGISTRATION

by MAIL	by FAX	by PHONE	by E-MAIL
EMCC DR. RAŠEK Störnhofer Berg 15 91364 Unterleinleiter Germany	+49 9194 7262-199	+49 9194 7263-0	emc.sem@emcc.de

### 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 venue is in Europe.

### HOW TO FIND US

You will receive a confirmation of booking including location details, also please see [www.emcc.de](http://www.emcc.de).

### CANCELLATIONS

No charges will be considered for cancellations received not later than 14 days prior to the event. Cancellations within 14 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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## EMCC Seminar Center & Laboratory

in Unterleinleiter, Germany

