

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

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

**Public Seminar
in English Language**

2020-05-06 to 2020-05-08



SEMINAR PROGRAM

11.03.02E1

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

Three 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 aircraft EMC services. The broad area of activities can be viewed on 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

SEMINAR PROGRAM

11.03.02E2

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

Three Days Seminar

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

99.00.02E

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

Proj. #

(prepared for window envelope)

F: +49 9194 7262-199

Purchase order #

Reference #

Date

REGISTRATION FORM

for the **Three Days Seminar # 11.03.02E** from **2020-05-06** to **2020-05-08**
 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. _____

Hotel accommodation required: yes no, from _____ to _____, for _____ persons
 for _____ nights.

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:

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.

HOTEL ACCOMODATION

Hotel accommodation is not included in the seminar fee.

If you want us to book your accommodation, please give us a note and we will take care of your accommodation requirements.

Our Guest House HOTEL HAUS-FRANKEN is part of the EMCC Seminar Center Building.

HOWTO FIND US

You will receive a confirmation of booking including location details, also please see 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

