

Registration
“Professional Certification
ESD Technician”
June 19–21, 2018 – Dresden

Ms/Mr:	<input type="text"/>
Title:	<input type="text"/>
First name:	<input type="text"/>
Last name:	<input type="text"/>
Company:	<input type="text"/>
Department:	<input type="text"/>
Job title:	<input type="text"/>
Street:	<input type="text"/>
ZIP, City:	<input type="text"/>
Country:	<input type="text"/>
Phone:	<input type="text"/>
Mobile:	<input type="text"/>
E-mail:	<input type="text"/>

Date, Signature:	<input type="text"/>
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Course fee: Euro 1.400,–
Certification: Euro 200, –
(plus 19 % VAT)

The ESD FORUM e.V. is a German registered association with members from industry, academia, and research institutes.

The purpose of the work of the ESD FORUM e.V. is to study effects of electrostatic phenomena in micro-electronics and make it available to the public.

The ESD FORUM e.V. hosts regularly conferences, workshops, and trainings.

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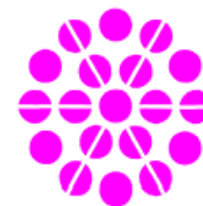
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ESD FORUM e.V. 

Professional Certification
ESD Technician

Certified by the
ESD FORUM e.V.
and the
ESD Association
within the
TR53 Technician Certification



June 19–21, 2018
NH Collection Dresden Altmarkt
Dresden City Centre
01067 Dresden

Motivation

Electronic components, modules, and systems are present in an increasing number of sensitive applications.

As a consequence of the technology progress, the electronic components used in modules are processed with very small features sizes.

Despite all efforts to produce ESD robust designs, electronic modules and systems are sensitive against electrostatic discharges.

ESD Technician

The ESD Technician supports the ESD Coordinator and implements the defined ESD protective measures. He reports to the ESD Coordinator. The main tasks and responsibilities of the ESD Technician are:

- Verification of the ESD protective measures in an ESD Protected Area
- ESD training of employees working in an EPA
- Implementation of EPAs according to the guidelines of the ESD Coordinator

After the training, the trainee is capable to perform compliance verification measurements of the ESD protection items according to international standards and assess the results.

Training

- Certified by the German ESD FORUM e.V. and the ESD Association (within the TR53 Technician Certification)
- Experienced instructors
- Practical hands-on sessions on state-of-the-art measurement equipment
- Application of the latest IEC 61340-5-1 and other IEC ESD control standards and ANSI/ESD S20.20 / ESD TR53
- Discussion of case studies
- Language of instruction, slides, and exam: English

Prerequisite

- Basic knowledge of engineering/natural science
- Basic knowledge of ESD

Benefit

- Avoid ESD losses in production, in field, in service, ...
- ESD robust devices and production
- Reduce failure analysis costs
- Reducing costs caused by inappropriate handling
- Minimize costs and efforts for repairs within the warranty
- Continuous improvement

Contents of Training

Day 1

1. Introduction: physical and electro-technical basics of electrostatics
2. Introduction: "What is ESD?"
3. Basics of ESD protection
4. ESD Control Program I: EPA requirements
5. ESD Control Program II: Personnel grounding
6. ESD Control Program III: Packaging
7. ESD Control Program IV: Organization

Day 2

8. Compliance verification of ESD protective measures according to ANSI ESDA S20.20, IEC 61340-5-1 und ESD TR53
9. Introduction to measurement techniques
10. Hands-on tutorials: Measurements and compliance verifications in EPAs
 - Resistance measurements
 - Measurements of charging
 - Personnel grounding
 - Others



11. Concluding discussion and Q&A with attendees

Day 3

Exam (in English language)

- Theory
- Practical