

## **IEEE EMCS Symposium FAQs**

### **Frequently Asked Questions**

#### **About the EMC Exam**

**Q - *When is the exam?***

A - The exam is at 8:00 on Friday, 17 August.

**Q - *Do I need to bring anything to the exam on Friday?***

A - You should be already registered. The only items you need to bring are an ID bearing your photograph and signature and any reference material you wish.

**Q - *When is the latest I can register for the exam here in Montreal?***

A - You must be registered by 3pm on Thursday, 16 Aug (by 12noon EDT at NARTE HQ).

**Q - *How much does it cost to take this exam?***

A - The exam fee is \$25. The application fee for certification is \$24. Renewal Fee \$49.

**Q - *How long is the exam?***

A - The exam is given in two 4 hour sessions. You are allowed a maximum of 4 hours per session. There is no minimum time between sessions.

**Q - *How many questions are on the exam?***

A - Each session consists of 48 questions. You are required to answer 40 of the 48 questions on each session. You must answer 28 of the 40 correctly.

**About Exam Strategy** - You must answer 40 of the 48 questions on each part of the exam. Review all questions, then answer those you are most sure of first. You will be graded on the first 40 questions you answer. For example: if you answer Questions numbered 1 through 43, you will be graded on questions 1 through 40.

**Q - *What score do I have to get to pass?***

A - Minimum score required is 70% overall. You can miss 12 of 40 questions on each session.

**Q - *If I fail the exam, how long do I have to wait before taking it again?***

A - 90 Days.

**Q - *How many Mil Std (Military Standards) questions are on the exam?***

A - There are no more than 8 Mil Std questions in each session. Since you are required to answer only 40 of the 48 questions on each session, you can skip them if necessary.

**Q - *What study material is available for the EMC exam?***

A - The NARTE EMC Study Guide and the SCEE Press Study Guides are both available to purchase at the NARTE Booth.

**Q - *Will the Mil Standards be available during the exam?***

A - Copies of MIL STD 461-C, MIL STD 462 and MIL STD 100E will be available.

**Q - *What other material will be available at the time of the exam?***

A - The exam is open book and you may bring in any and all material you can carry.

**Q - *Can I use a computer during the exam?***

A - You may use a battery operated calculator. Or if the testing environment will permit you may use a computer (portable or not) requiring an electrical outlet.

**Q - *What are the chances of passing the EMC exam?***

A - Overall passing rate is 65%.

**Q - *When will I know my exam results?***

A - The examinations will be graded at NARTE HQ and you will be advised of your scores by mail within two weeks (10 working days).

**Q - *Is the study material for Engineers or Technicians?***

A - The NARTE Study Guide is suitable for preparing for either the engineering or technician examination. Questions are designated "E" for Engineer, "T" for Technician, or Both.

### **About NARTE Certification**

**Q - *Why should I be certified?***

A - NARTE certification signifies that you have not only passed a rigorous exam, but also that you have a specific number of years of experience and that your supervisor and your peers have attested to the caliber of your work. It is a pedigree which shows you have achieved a level of work experience, education and training; have references who have verified your skills and competency and have a work ethic and dependability which is desired and in demand by the industry.

**Q - *Can I be certified without examination - "grandfathered"?***

A - The Wireless Systems Installer grandfathering period will expire 1 February 2001. All other grandfather periods have expired and applicants must now examine.

**Q - *How much experience is required?***

A - For EMC Engineer certification - 9 years. For EMC Technician certification - 6 years. Same for ESD Engineer and Technician respectively. Education may count for some experience.

**Q - *How much is the NARTE dues?***

A - \$49 total initial fees (\$25 for the exam, \$24 for application) covers first year dues. \$49 annually.

**Q - *How many EMC members does NARTE have?***

A - We have certified over 2000 EMCers. 1560 Engineers, 472 Technicians. Current Certified total 1250, 1003 Engineers, 247 Technicians.

**Q - *How many ESD members does NARTE have?***

A - We have certified 426 ESDers. 260 Engineers, 166 Technicians. Current Certified

total 264, 189 Engineers, 75 Technicians.

**Q - *How many ATL members does NARTE have?***

A - We have certified 367 ATLeers. 195 Engineers, 172 Technicians.  
113 EMCers have an ATL Endorsement. 48 Engineers, 17 Technicians.  
Total individuals with ATL Certification is 480.

**Q - *How many Telecommunications Technician members does NARTE have?***

A - We have 2669 currently certified technicians. 818 Class I,  
387 Class II, 1107 Class III, 357 Class IV.

**Q - *How many Telecommunications Engineer members does NARTE have?***

A - We have 1176 currently certified engineers. 846 Class I,  
215 Class II, 112 Class III.

For more information on NARTE see the Credential Certification Handbook.

### **Member Questions**

**Q - *Can I renew my membership here?***

A - You should call NARTE, toll free, at 800-89-NARTE (800-896-2783). You may renew by check, Master Card, Visa or American Express.

**Q - *I am NARTE ESD Certified and would like a brass name tag.***

A - You should call NARTE, toll free, at 800-89-NARTE (800-896-2783).

### **About the new EMC Test Lab Personnel Certification/Endorsement.**

**Q - **What is the Test Lab Personnel Endorsement or Certification?****

A - The EMC Test Lab endorsement was established to meet the demand to identify individuals who have EMC test lab expertise.

**Q - **Who is eligible?****

A - NARTE Certified EMC Technicians and Engineers who have one year experience in an accredited lab.  
Non-NARTE certified EMC personnel must have a minimum of two years experience in

an accredited lab.

In both cases, references, resume and application forms/fees must be submitted. (See application packages.)

**Q - What qualifies as an "Accredited Lab"?**

A - Lab must be accredited by NVLAP, A2LA, or an equivalent accreditation body. Equivalent accreditation must reflect process, applicable testing directives and identify the accrediting entity and associated credentials. The NARTE review committee approval required.

**Q - What is the difference between the EMC Test Lab *Certification* and the EMC Test Lab *Endorsement*?**

A - The EMC Test Lab Endorsement is for Engineers and Technicians who are already NARTE certified. The Certification is available to those who are not yet NARTE Certified.

**Q - I am EMC certified, how do I add this endorsement to my certification?**

A - Complete the application materials provided by NARTE. Certification requirements are listed in the application package.

**Q - Can I get the EMC Test Lab credential if I am not NARTE certified?**

A - Yes. You must complete the application materials provided by NARTE. Certification requirements for non-NARTE certified personnel are listed in the application package.

**Q - Why is there a "grandfathering" period?**

A - The US Constitution "Ex Post Facto" provision is in place so that no individual practicing in a trade should be excluded from practicing their trade by new qualification standards that may be imposed. Hence a required "grandfathering" period. **After 31 July 2000, all EMC Test Lab personnel must examine.**