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INARTE APPLICATION FOR ELECTROMAGNETIC COMPATIBILITY (EMC) CERTIFICATION

EMC ENGINEER CERTIFICATION CRITERIA AND INSTRUCTIONS

1. Complete the Exam Registration online and submit the **non-refundable** examination fee for the requested examination. Submission of the application form implies agreement to adhere to the NARTE Code of Ethics.
2. Provide specific record of nine years or more of experience in engineering work. Provide an up-to-date resume or complete the EMC Detailed Work History section.
 - a. Graduation from an iNARTE-approved engineering curriculum of four years shall be considered equivalent to four years of such required experience.
 - b. The satisfactory completion of each year of such an approved engineering curriculum shall be considered equivalent to a year of such required experience.
 - c. Graduation in a physical science curriculum other than engineering will be evaluated by iNARTE.
 - d. Graduation from a college with a BSET in Engineering Technology (BSET) shall be considered as equivalent to two years of such required experience.
 - e. Graduation in a curriculum other than engineering or physical science will be evaluated by iNARTE.
 - f. Postgraduate study in engineering may be given credit up to one year.
 - g. Teaching: Engineering teaching of a character satisfactory to iNARTE shall be considered as experience not in excess of two years.
 - h. No more than 5 years' experience credit will be allowed for education and/or teaching as outlined above. The mere execution or the supervision of construction of such work as a foreman, first line supervisor, or superintendent shall not be deemed to be the practice of engineering.
3. Provide evidence of education and training. Official school transcripts are required. Photocopies of applicable training certificates may be submitted.
4. References: Using the iNARTE reference section, submit a minimum of 1 supervisory reference and 2 additional references each supporting character and competency as an EMC Engineer. Reference section must be signed and forwarded directly to iNARTE.
5. Pass the iNARTE EMC Engineer examination.
6. Major topics covered on examination:



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Field Theory Antennas Coupling Shielding Transmission Line Electrical Networks Filters Amplifiers Mathematics EMI Prediction and Analysis Signal and Transforms Spectrum Analysis	Test and Measurement / Test Facilities EMC Design Terminology Special Devices, Materials and components EMP ESD Lightning Specifications and Standard Grounding and Bonding Safety (HERP, HERF, HERO) EMC Management
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Note: For both EMC Engineer and EMC Technician: A maximum of 8 (out of 48) Military Standard based questions will appear per exam section.

EMC TECHNICIAN CERTIFICATION CRITERIA

1. Complete the online Application and submit the **non-refundable** examination fee for the requested examination.
2. Submission of the application form implies agreement to adhere to the NARTE Code of Ethics, page 14.
3. Provide specific record of six years or more of experience in EMC technician work. Provide an up-to-date resume or complete the EMC Detailed Work History section.
 - a. Graduation from an iNARTE-approved electronics technology curriculum of two years or U.S. Navy Class "A" school is considered equivalent to one year of required experience.
 - b. The satisfactory completion of each year of such an approved technician curriculum is considered equivalent to one year of experience.
 - c. Graduation in a physical science curriculum other than engineering will be evaluated by iNARTE.
 - d. Graduation from a college with a BSET in Engineering Technology (BSET) shall be considered as equivalent to two years of such required experience.
 - e. Graduation in a curriculum other than engineering or physical science will be evaluated by



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- f. Postgraduate study in engineering may be given credit up to one year.
 - g. Teaching: Engineering teaching of a character satisfactory to iNARTE shall be considered as experience not in excess of two years.
 - h. No more than 5 years' experience credit will be allowed for education and/or teaching as outlined above. The mere execution or the supervision of construction of such work as a foreman, first line supervisor or superintendent shall not be deemed to be the practice of EMC Technician.
4. Provide evidence of education and training. Official school transcripts are required. Photocopies of applicable training certificates may be submitted.
 5. References: Using the iNARTE reference section, submit a minimum of 1 supervisory reference and 2 additional references each supporting character and competency as an EMC Technician. Reference section must be signed and forwarded directly to iNARTE.
 6. Pass the iNARTE EMC Technician examination.
 7. Major topics covered on examination:

Antennas	Special Devices, Materials and components
Coupling	EMP
Shielding	ESD
Electrical Networks	Lightning
Filters	Specifications and Standard
Amplifiers	Grounding and Bonding
Signal and Transforms	Safety (HERP, HERF, HERO)
Test and Measurement / Test Facilities	EMC Management
Terminology	

ASSOCIATE EMC CERTIFICATION CRITERIA

1. Complete the online Application and submit the **non-refundable** examination fee for the requested examination.
2. Submission of the application form implies agreement to adhere to the NARTE Code of Ethics,
3. Provide evidence of education and training. Official school transcripts are required. Photocopies



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of applicable training certificates may be submitted.

4. References: Using the iNARTE reference section, submit a minimum of 1 supervisory reference and 2 additional references each supporting character and competency as an EMC Engineer or EMC Technician. Reference section must be signed and forwarded directly to iNARTE.
5. Pass the iNARTE EMC Engineer or Technician examination.

TRANSITION FROM ASSOCIATE TO FULL INARTE CERTIFICATION STATUS

To transition from Associate Engineer or Technician, the Associate is required to submit the Certification Application Form including the Detailed Work Experience Form that shows that the required work experience is met for the applicable certification level desired. The Associate is also required to submit the required references for the level being sought.