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## APPLICATION FOR ELECTROSTATIC DISCHARGE CONTROL (ESDC) CERTIFICATION

### ESD ENGINEER CERTIFICATION CRITERIA AND INSTRUCTIONS

1. Complete the Exam Registration online 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 specific record of nine years or more of experience in engineering work. Provide an up-to-date resume or complete the ESD Detailed Work History Form 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.
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 ESD Engineer. Reference section must be signed and forwarded directly to iNARTE.
6. Pass the iNARTE ESD Engineer examination.
7. Major topics covered on examination:



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<p>ESD Program Design &amp; Management ESD Loss Analysis ESD Theory Math/Physics Safety Standards/Specifications Terminology System Test &amp; Measurement Workstations Flooring ESD Shielding Analysis Manufacturing/Repair Facility Evaluation, Survey &amp; Auditing Plant Equipment ESD Control &amp; Evaluation Clean Room Equipment &amp; Material Control Body Charge Evaluation &amp; Control</p>	<p>Garment Control &amp; Evaluation Manufacturing Plant Handling Procedures ESD Control Material In-Field Testing Production Aids &amp; Tool Evaluation Materials Test &amp; Measurement In Field ESD Controls Ionization Devices &amp; Systems Grounding Technology Laboratory Test &amp; Analysis of ESDC Packaging Materials Equipment Design Intersystem &amp; Intrasystem Design ESD Prediction (Devices &amp; Systems) ESD Analysis (Devices &amp; Systems) Device Sensitivity Test &amp; Measurement</p>
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## ESD 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
3. Provide specific record of six years or more of experience in ESD technician work. Provide an up-to-date resume or complete the ESD 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 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.



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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 ESD 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 ESD Technician. Reference section must be signed and forwarded directly to iNARTE.
  6. Pass the iNARTE ESD Technician examination.
  7. Major topics covered on examination:

<p>ESD Program Design &amp; Management          ESD Loss Analysis          ESD Theory          Math/Physics          Safety          Standards/Specifications          Terminology          System Test &amp; Measurement          Workstations          Flooring          ESD Shielding Analysis          12. Manufacturing/Repair Facility Evaluation, Survey          &amp; Auditing Plant Equipment ESD</p>	<p>Control &amp; Evaluation          Clean Room Equipment &amp; Material Control          Body Charge Evaluation &amp; Control          Garment Control &amp; Evaluation          Manufacturing Plant Handling Procedures          ESD Control Material In-Field Testing          Production Aids &amp; Tool Evaluation          Materials Test &amp; Measurement          In Field ESD Controls          Ionization Devices &amp; Systems          Grounding Technology          Laboratory Test &amp; Analysis of ESDC Packaging Materials</p>
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**ASSOCIATE ESD 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 ESD Engineer. Reference section must be signed and forwarded directly to iNARTE.
5. Pass the iNARTE ESD 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.