



NATIONAL SOCIETY OF
PROFESSIONAL ENGINEERS

NICET CERTIFICATION FOR SYSTEMS SOFTWARE INTEGRATOR

WHO ARE WE?

The National Institute for Certification in Engineering Technologies (NICET), a division of the National Society of Professional Engineers (NSPE), provides an independent and rigorous evaluation of knowledge and experience of individuals in the fields of engineering technology.

Founded in 1961, NICET serves as a respected authority in many technical fields, and has certified more than 160,000 engineering technology professionals.

NSPE was established in 1934 to realize a simple but vital goal: create an inclusive, nontechnical organization dedicated to the interests of licensed professional engineers, regardless of practice area, that would protect engineers (and the public) from unqualified practitioners, build public recognition for the profession, and stand against unethical practices and inadequate compensation.

WHY IT IS NEEDED?

To reduce risk, improve quality, and ensure public safety as software and information technology increasingly converges with the operation of physical processes and machinery affecting our lives.

Affected Industries include critical infrastructure like aerospace, automotive, petrochemicals, pharmaceuticals, electronics, power, and many others.

Certifying software systems integrators using a standardized and centralized methodology will help secure the Software Supply chain.

WHERE ARE WE IN THIS PROCESS?

Development is approved by
NSPE and NICET •

Recruiting Subject Matter Experts •

Engaging Industry and
Building a Partner Network •

A DIVISION OF



NATIONAL SOCIETY OF
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www.nicet.org/ssi

OVERVIEW OF THE CERTIFICATION PROCESS

We are putting together a multi-disciplinary team to ensure the success and effectiveness of this new certification program. Certification requirements and exams will be designed by Subject Matter Experts from Industry to be administered by NICET with the support from NSPE.

The next step is conducting a Job Task Analysis (JTA) to establish the minimum Knowledge, Skills, and Abilities (KSA) needed for individuals in the software systems integrator role. Once the KSAs are confirmed, developing certification exam content, standard setting, and program release will follow.

NSPE envisions a world where the public can be confident that software applications are created and developed by qualified and ethically accountable professionals.



FOUNDATIONAL CERTIFICATION

Phase 1. An Industry agnostic baseline revolving around generally accepted best practices.



INDUSTRY SPECIFIC CERTIFICATIONS

Phase 2. Expands on the foundational certification to address specific challenges of industries such as aerospace, automotive, pharmaceuticals, electronics, power, and many others.

HOW CAN YOU GET INVOLVED?

INDUSTRY PARTNERS

Demonstrate your commitment to quality, security, and safety. Help expand the scope and reach of the certification effort.




SUBJECT MATTER EXPERT


Be involved in establishing certification requirements and creating exam content.



Contact Us

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