

Certification Industry

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CompTIA

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CompTIA Overview

- CompTIA is the voice of the world's information technology (IT) industry. As a non-profit trade association advancing the global interests of IT professionals and companies, we focus our programs on four main areas: education, certification, advocacy and philanthropy.

Potential Impact of NICE Framework Adoption

Positive:

- Identifies Job Titles with tasks, roles, and responsibilities for industry to internally assess workforce.
- Should help individual worker / manager with “career professionalization” by articulating the necessary training/education needed to obtain the Knowledge, Skills and Abilities (KSA’s) needed to be competent in the defined role.
- A strong foundation in overall knowledge is still needed in cybersecurity, spanning many functional areas, especially in the early phase of a career

Negative:

- Will all industries need full time staff with all these roles?
- Is this overkill or justified for the vertical industries, especially for the SMB markets?
- Will there still be a need for cybersecurity generalists across many functional areas?

Potential Inhibitors:

- Private industry may reject; global adoption
- Cost to rebuild or reorganize.
 - New ISO accreditation
 - Systems
 - PBIs/Labs/Sims
- Changes to the standard skills management methodology?
- Who will “police” the standards for the lab testing to make sure they are up to spec?
- Bottom line: Potential for lots of hidden costs!

Recommendations

- Better direction from Government. Will this be the model for all Federal Agencies moving forward?
- Getting more industry input for acceptance and further development. If this be is perceived as being “forced”, then private sector will turn away.
- Take small steps. Combined, the C3 has hundreds of thousands of certified professionals world-wide. How do you address the population they represent that their certifications are no longer relevant or valid? Especially, when the private industry approved of and built these standards.
- Costs must be negligible. Expensive infrastructure to support and deliver new “certifications” will be rebuffed.

Cybersecurity Credentials Collaborative (C3)

Mission:

To provide awareness of and advocacy for vendor-neutral credentials in information security, privacy, and related IT disciplines. To advance the craft and practice of certification program development and to provide a forum to collaborate on matters of shared concern.

Purpose:

The purpose of the C3 is to provide a forum for collaboration among vendor-neutral information security and privacy and related IT disciplines certification bodies. That collaboration will result in the advancement of IT careers, a more prepared workforce, greater insight into how these certifications are developed, and how they meet the IT needs for organizations including governments, private enterprises, educational institutions, and the public at large.

A non-exclusive list of collaborative activities is planned to include the following:

- Provide the industry with factual information on how C3 certifications accurately validate knowledge, skills and abilities of the workforce
- Where appropriate, promote a common IT certification message to legislators and government agencies and provide them with accurate information regarding the benefits of these certification programs.
- Identify opportunities for joint projects of the commissioning of 3rd-party research for the advancement of knowledge of vendor-neutral credentials in information security, privacy, and related IT disciplines.

C3 Members

Founding Members, 8570.1 Vendor Neutral Certification Listing,
and Voting Members



Associate Members



C3 Applying Standards

Goal: Provide industry a visual articulation of what current certifications exists against what gaps may exist.

- Developing a high level general mapping of the 31 roles to the current and relevant security certifications that the C3 Members have to offer today.
- Decided not to do a “deep dive” in the actual Knowledge, Skills and Abilities listed within each role.
- Based on a “Apprentice, Journeyman, Master” career track, it was decided to divide the tasks in the roles into three levels based on skills and experience. These include:
 - **Foundational** (something you should have before you even attempt these job roles)
 - **Related** (related to these job roles, but not specializing in them),
 - **Specialist** (specializing in these job roles)