

NICE Framework Components v2.2.0: Summary of Changes

April 2026

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- [NICE Framework Current Version](#)
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Summary of Changes

The April 28, 2026 release of the NICE Framework Components Version 2.2.0 includes the following updates:

- **Work Roles:** New Cybersecurity Supply Chain Risk Management (C-SCRM) Work Role (OG-WRL-017), including newly drafted Task, Knowledge, and Skill statements and Task-to-Knowledge/Skill alignments.
- **Competency Areas:** Updated Cryptography (NF-COM-006) and DevSecOps (NF-COM-008) Competency Areas, including newly drafted Knowledge and Skill statements.
- **Additional administrative corrections and clarifications** are detailed below.

The **NICE Framework Components, Version 2.2.0** replaces v2.0.0 as the authoritative catalog of the NICE Framework Components, including Work Role Categories, Work Roles, Competency Areas, and Task, Knowledge, and Skill (TKS) statements. The Components are available in Excel (XLSX) and JSON formats. Additional formats and assistance with implementation of NICE Framework Components are available on request by contacting NICEframework@nist.gov.

Versioning

A record of versions and release notes can be found on the [NICE Framework Change Logs webpage](#) in the [NICE Framework Resource Center](#). This update is considered a Minor Update intended to add functionality, fix bugs, and make other changes that have minimal impact, if any, on backwards compatibility.

V 2.0.0 Update Details

Work Roles

Version 2.2.0 of the NICE Framework Components includes a newly drafted Cybersecurity Supply Chain Risk Management (C-SCRM) Work Role (OG-WRL-017) intended to describe the capabilities required of cybersecurity professionals focused on identifying, protecting against, responding to, and advising others on cybersecurity risks that emerge in the supply chains of technology products. This Work Role was developed in collaboration with subject matter experts from [NIST's C-SCRM program](#).

This Work Role includes **35 newly drafted TKS statements** that are now included in the NICE Framework TKS inventory, as well as **alignments of Tasks to Knowledge and Skill statements** within the Work Role. Aligning Task to Knowledge and Skill statements in a Work Role provides greater clarity on the specific knowledge or skills required by individuals in performance of each Task.

Competency Area

Competency Areas were added to the NICE Framework Components with the March 2024 v1.0.0 release. At that time, only titles, identifiers, and descriptions were included. Since that time, the NICE Program Office has been working to develop these areas to include relevant Knowledge and Skill statements. This release includes an update to the description of the AI Security Competency Area and a newly published list of Knowledge and Skill statements.

- **Cryptography (NF-COM-006):** This Competency Area describes a learner’s capabilities to transform data using cryptographic processes to ensure it can only be read by the person who is authorized to access it.
- **DevSecOps (NF-COM-008):** This Competency Area describes a learner’s capabilities to integrate security as a shared responsibility throughout the development, security, and operations (DevSecOps) life cycle of technologies.

These Competency Areas include a total of **35 newly drafted TKS statements**, which are also included in the NICE Framework TKS inventory.

TKS Statements

In addition to changes to the 70 TKS statements originating from newly developed Work Roles and Competency Areas, this update includes administrative updates to address issues identified by NICE Framework users. These updates are described in Table 1 below.

Table 1: Administrative Changes

TKS Identifier	Action	Notes
K0663	Removed	“Knowledge of industry standards and best practices”. Overly broad.
K0828	Replaced in all instances by K0803	“Knowledge of supply chain risk management standards and best practices” duplicates K0803: “Knowledge of supply chain risk management principles and practices”.
K0927	Replaced in all instances by K0755	“Knowledge of configuration management tools and techniques” duplicates K0755: “Knowledge of configuration management (CM) tools and techniques”.
K1299	Replaced in all instances by K1287	“Knowledge of change management processes” duplicates K1287 exactly.

TKS Identifier	Action	Notes
S0665	Modified	Reworded from “Skill in creating policies” to “Skill in creating policies that reflect legal, regulatory, and organizational requirements”.
S0768	Removed	“Skill in allocating resources”. Overly broad.
T1623	Modified	Reworded to “Develop cybersecurity supply chain risk management policy” to conform with NIST usage.
T1648	Removed	“Develop performance success metrics” does not appear in any Work Roles and duplicates T1650: “Develop cybersecurity success metrics”.

Including the above administrative changes, the overall changes to TKS statements included in v2.2.0 are summarized in Table 2 below.

Table 2: Comparison of TKS Statements, v2.1.0 and v2.2.0

	v2.1.0	V2.2.0
TKS Statements (total)	2,148	2,221
Task Statements	946	962 (17 new)
Knowledge Statements	662	693 (36 new)
Skill Statements	540	556 (17 new)

Contact Us

The NICE Program Office welcomes suggestions for improving the usability of the NICE Framework and extends gratitude to NICE Framework users who notify us of potential issues. Suggestions for future upgrades and administrative changes may be sent to NICEframework@nist.gov at any time. We additionally encourage users to join the [NICE Framework Users Group](#) to share updates and connect with other Framework users.