



ISO/IEC JTC 1/SC 27/WG 3 "Security evaluation, testing and specification"

Convenorship: UNE

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LIAISON STATEMENT

FROM: ISO/IEC JTC 1/SC 27/WG 3
TO: The CCUF

Overview and Appreciation

ISO/IEC JTC 1/SC 27/WG 3 thanks the CCUF for its liaison statement circulated as ISO/IEC JTC 1/SC 27/WG 3 N3176 dated 14 September 2026. WG 3 also thanks the CCUF for the updates on its organizational status, scope of interest, and the dates of its forthcoming meetings. This information is noted, and WG 3 requests that the CCUF continue to include information about upcoming meetings in future liaison statements.

Items likely to be of particular interest to the CCUF

The latest status of WG 3 projects, relevant document numbers, and the schedule for updates and comments are provided in the WG 3 Recommendation document attached to this liaison statement. Relevant documents may be made available to the CCUF through the Liaison Channel. WG 3 would like to draw your attention to the following projects:

Publication of ISO/IEC 15408 and 18045

ISO/IEC 15408 (all parts) and ISO/IEC 18045:2026 have now been published, completing the revision work reported in previous liaison statements. The previously discussed IPR/copyright matter was resolved in connection with the publication of the revised standards.

WG 3 does not plan to initiate a new revision of ISO/IEC 15408 or ISO/IEC 18045 at this time. Instead, WG 3 will continue preparatory analysis and studies that may provide input to a future revision when appropriate.

During this meeting, WG 3 also discussed, as part of its roadmap, the potential impact of AI on cybersecurity testing, evaluation and certification, including the possible delegation of testing and evaluation activities to AI. The discussion highlighted that the increasing use of AI could have significant implications for future evaluation and certification processes and warrants further study. WG 3 is also considering a new PWI to analyze the impact of evolving technologies on the CC/CEM framework and identify areas that may require further study or future revision.

Discussions are still ongoing regarding the future use of the ISO Online Standards Development (OSD) platform for the development and maintenance of ISO/IEC 15408 and ISO/IEC 18045, including how the current Markdown-based development approach may continue to support machine-readable formats. WG 3 will continue to consider these matters and will keep the CCUF informed of further developments.

WG 3 appreciates the continued contributions from liaison organizations and welcomes further input from the community.

Progress of ISO/IEC TR 22216 revisions

ISO/IEC TR 22216 provides information and support for the use of ISO/IEC 15408 (all parts) and ISO/IEC 18045 and their relationship with previous editions of the standards. The revision has progressed to the Draft Technical Report (DTR) approval stage (stage 50.00). The final text has been received and is currently being processed by ISO/CS in preparation for the 8-week DTR ballot.

Progress of ISO/IEC 25959

ISO/IEC 25959 addresses the application of attack potential to deep learning-based technology. A sufficient number of attack scenarios have now been incorporated into the second Working Draft (WD2). WG 3 plans to recommend a scope change to SC 27 and to progress the project toward a third Working Draft (WD3). The next phase will focus on identifying the resources, skills and tools required to execute these attack scenarios and on reflecting them appropriately in attack potential assessment. Existing attack potential factors, such as elapsed time, knowledge of the TOE and equipment, will be used wherever possible, with additional interpretation or guidance developed

where necessary. New attack potential factors will only be introduced where existing factors are insufficient, in order to maintain consistency with established CC evaluation practice.

Progress of the Revision of ISO/IEC 30111 (including ISO/IEC 29147)

ISO/IEC 29147:2018 provides requirements and recommendations to vendors regarding the disclosure of vulnerabilities in products and services. ISO/IEC 30111:2019 provides requirements and recommendations for the processing and remediation of reported potential vulnerabilities in products or services. Recently, the cybersecurity landscape has undergone significant changes driven by new and demanding regulations such as the Cybersecurity Act, the NIS2 Directive, and more recently, the Cyber Resilience Act. These developments raise the need to reassess whether updates to these standards are necessary. The current revision effort combines the content of ISO/IEC 29147 (Vulnerability Disclosure) and ISO/IEC 30111 (Vulnerability Handling Processes) into a unified document structure, with the goal of improving clarity and alignment between vulnerability disclosure and vulnerability handling practices. At this meeting, WG 3 continued its review of the working draft and the disposition of expert comments. A range of views was expressed on vulnerability-related terminology and on aspects of vulnerability handling and disclosure. ISO/IEC 30111 also continues to be referenced by other work addressing vulnerability handling, reinforcing the importance of developing a clear and broadly applicable document. The next step is the preparation of Working Draft (WD), incorporating the agreed dispositions and editorial revisions.

Preliminary Work Items

The following preliminary work items (PWIs) are currently in progress in SC 27/WG 3:

PWI 25543 Consideration of the Target of Evaluation Concept for Emerging and Existing Technologies

The discussions and contributions collected under PWI 25543 indicate that the existing TOE concept remains applicable to a broad range of traditional and emerging evaluation scenarios. However, the study has also identified cases that require further consideration, in particular site-based and process-based evaluations, dynamic cloud deployments, and other scenarios where the evaluation target or its boundary may change or extend beyond a conventional product-oriented TOE.

Rather than continuing the broad study through further calls for contributions, WG 3 should consolidate the findings collected so far into a final PWI report. This report should distinguish between cases that can be addressed through the existing TOE concept, cases that primarily require clarification of TOE boundaries and the operational environment, and cases that may require extensions to the current evaluation framework.

Following this consolidation, PWI 25543 may be closed, while the identified unresolved topics should be retained as input to the next revision of ISO/IEC 15408 and ISO/IEC 18045 and, where appropriate, addressed through a more focused follow-on PWI or study. In particular, further work should consider how site-based and process-based evaluation concepts could be integrated into the CC framework, including the corresponding assurance requirements and CEM work units.

PWI 25240 Evaluation of AI-based technology

PWI 25240, initiated in April 2024, has served as an incubator within WG 3 for exploring security evaluation and testing of AI-based technologies and for developing related work items. This work has already contributed to the initiation of ISO/IEC 26160, addressing the application of ISO/IEC 15408 and ISO/IEC 18045 to the evaluation of AI functionality, and ISO/IEC 25959, addressing the application of attack potential to deep learning-based technology.

At this meeting, WG 3 discussed two further PWI proposals emerging from this activity: security

evaluation and testing methods for generative AI models, and security guidelines and evaluation methods for AI agents and their orchestration. The proposals were refined to focus on horizontal security evaluation and testing methodologies that can be applied across technologies, building upon ISO/IEC 15408, ISO/IEC 18045 and related ongoing work, rather than establishing technology-specific vertical security requirements.

The proposed work will focus on developing reproducible evaluation activities and test methods for characteristics specific to generative AI and AI agents. As these methodologies mature, WG 3 plans to analyze them against ISO/IEC 15408 and ISO/IEC 18045 to identify potential gaps in security requirements, assurance requirements, evaluation activities, guidance and attack potential assessment. Relevant findings may provide input to existing projects such as ISO/IEC 26160 and ISO/IEC 25959, or support further work where appropriate.

WG 3 intends to continue this exploratory and coordinating work through PWI 25240 or, where appropriate, through a successor PWI. Further contributions from experts and liaison organizations are welcome.

PWI 26242 An analysis of the consolidation of vocabulary used in ISO/IEC 15408 (multipart) and ISO/IEC 18045

The preliminary work item is based on experience gained during the revision of ISO/IEC 15408 (multipart) and ISO/IEC 18045, as well as feedback regarding the quality and consistency of terms and definitions used across the standards. The work focuses on developing a sound, internally consistent and complete set of terms and definitions.

WG 3 reviewed the terminology analysis conducted under PWI 26242, which identified duplicate definitions, reference errors, inconsistencies, definitions requiring improvement, and potentially missing terms. WG 3 agreed to continue the PWI, focusing on completing the in-depth analysis and reviewing and refining the terminology with relevant editors and experts. How the results will ultimately be incorporated into future revisions or restructuring of ISO/IEC 15408 and ISO/IEC 18045 will be considered as the work matures.

Future collaboration

SC 27/WG 3 encourages CCUF members who are interested in any of the above topics to participate in this work through their National Bodies (NBs) or through the liaison channel. Contributions to this work are welcome.

Future meetings

The next meeting of SC 27/WG 3 is planned to be held in April 2027.

With kind regards,
Liaison Officer from SC 27/WG 3 to CCUF
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