

SC 27/WG 3 Security evaluation, testing and specification

A contribution to PWI 19562

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Motivation

- CCDB announced the “*CC:2022 Release 1*” and “*Transition Policy to CC:2022 and CEM:2022*” in November 2022, which requires appropriate updates to most of the collaborative Protection Profiles (cPPs) written based on CC3.1R5 to align with the Transition policy under CCRA.

new CC:2022 Release 1

CC:2022 Release 1 consists of five parts. Make sure to download and use these files. XML versions will be forthcoming:

Part 1: Introduction and general model	PDF CC2022PART1R1.pdf
Part 2: Security functional requirements	CC2022PART2R1.pdf
Part 3: Security assurance requirements	CC2022PART3R1.pdf
Part 4: Framework for the specification of evaluation methods and activities	CC2022PART4R1.pdf
Part 5: Pre-defined packages of security requirements	CC2022PART5R1.pdf

CEM:2022 consists of one part:

CEM	PDF CEM2022R1.pdf
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new Transition Policy to CC:2022 and CEM:2022

CCV3.1R5 version is the last from the 3.1 series, and may optionally be used for evaluation starting no later than the 30th of June 2024.

STs conformant to CC:2022 based on PPs certified according to CC3.1 will be accepted up to the 31st of December 2027.

Assurance continuity activities (maintenance, re-evaluation and re-assessment) based on CC 3.1 evaluations can be started for up to 2 years from the initial certification date.

Further details will be forthcoming.



Current iTC Status

- Currently, many international Technical Communities (iTCs) have developed their collaborative Protection Profile (cPP) using the AsciiDoc format (*.adoc).
 - Application Software iTC
 - Biometrics Security iTC
 - Database Management Systems iTC
 - Dedicated Security Components iTC
 - Hardcopy Devices iTC
 - Network Devices iTC

Activities

- In light of the publication of all parts of ISO/IEC 15408:2022 and 18045:2022 Edition (and corresponding releases of CC:2022 and CEM:2022), I have prepared the initial conversion of the current edition from “PDF format file” to “Asciidoc format file”.
- During this effort, some editorial issues were identified. Note that the Asciidoc conversion project has not been publicly published yet in order to minimize turmoil for CC users.

Deliverables / Contributions

- I suggest discussing these findings (attached slides) in the PWI 19562 editing meeting to determine the next steps for improving the text of CC:2022 and CEM:2022 while maintaining consistency with ISO/IEC 15408:2022 and ISO/IEC 18045:2022.
 - 10 editorial comment
- Furthermore, CCUF Liaison Officer, Kwangwoo Lee, has circulated PWI 19562 and requested contributions and comments from CCUF ISO project members. As a result, CCUF experts have provided several comments based on CC:2022 and CEM:2022.
 - 3 editorial comments / 29 technical comments
- These expert contributions can be addressed in the future revision of the standard and can be helpful to SC 27/WG 3.

HP Printing Korea
Security Architect
Kwangwoo Lee (KR Expert)
Date : 2023-02-22

CC:2022 Part2/Part3 Comments

This material prepared to facilitate reaching consensus amongst experts present regarding the implementation of changes under SC 27 WG 3 as a contribution to “ISO/IEC PWI 19562: Investigation of the feasibility and implementation of changes to ISO/IEC 15408 and ISO/IEC 18045”

Comments on ISO/IEC 15408-2:2022

Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 2: Security functional components

(Note that the comments has been made based on the text of Common Criteria for Information Technology Security Evaluation – Part 2: Security functional components, November 2022, CC:2022 Revision 1, CCMB-2022-11-002)

CC:2022 Part 2 Comments (1)

1. missing "Component relationships" after the sub-section 8.5.10
Adding the text "Component relationships" after the sub-section 8.5.10
line

2. FAU_SEL.1.1 => Missing "Italic" operations at below two lines of sentences.

a) [selection: *object identity, user identity, subject identity, host identity, event type*]

b) [assignment: *list of additional attributes that audit selectivity is based upon*]

CC:2022 Part 2 Comments (2)

3. Missing Semi-colon in sub-section 11.1 > b)

Change the text from "— Information Retention Control (FDP_IRC)" to "— Information Retention Control (FDP_IRC);"

4. Wrong Punctuation in the first paragraph of sub-section 11.6.1

Change the text from "information flow control SFP." to "information flow control SFP".

CC:2022 Part 2 Comments (3)

5. Need to add the Punctuation mark "." at the end of the 2nd sentence in 12.1.

change the text from "security attributes" to "security attributes."

6. missing "Component relationships" after the sub-section 12.7.7

Adding the text "Component relationships" after the sub-section 12.7.7 line

CC:2022 Part 2 Comments (4)

7. missing "Component relationships" after the sub-section 13.9.11
Adding the text "Component relationships" after the sub-section 13.9.11 line

8. Remove the Bold operation of the text "FPR_UNL.1 Unlinkability of operations" in the sub-section "14.4.2"

Remove the bold formatting for the text "FPR_UNL.1 Unlinkability of operations" from the text "FPR_UNL.1 Unlinkability of operations requires that users and ~"

CC:2022 Part 2 Comments (5)

9. Wrong operation on the text of "FPT_STM.2.1"

- Need to delete the square bracket at the end of the sentence.]] ->]
Change the text from "The TSF shall allow the [assignment: user authorized by security policy] to [assignment: set the time, configure another time source]]." to "The TSF shall allow the [assignment: user authorized by security policy] to [assignment: set the time, configure another time source]."

CC:2022 Part 2 Comments (6)

- 10. Wrong operation on the "FPT_INI.1.3": Missing square bracket on the text. Need to add the "]" in the sentence.

The TOE initialization function shall detect and respond to errors and failures during initialization such that the TOE [selection: is halted, successfully completes initialization with [selection: reduced functionality, signaling error state, [assignment: list of actions]].

Comments on ISO/IEC 15408-3:2022

Information security, cybersecurity and privacy protection — Evaluation criteria for IT security — Part 3: Security assurance components

(Note that the comments has been made based on the text of Common Criteria for Information Technology Security Evaluation – Part 3: Security assurance components, November 2022, CC:2022 Revision 1, CCMB-2022-11-003)

CC:2022 Part 3 Comments (1)

- Missing punctuation mark (period) at the end of the sentence of ASE_REQ.1.12C
 - the extension of the sets of SARs -> the extension of the sets of SARs.

CC:2022 Part 3 Comments (2)

- Need to double check whether the bold and italic are correctly used in Chapter 10.
- 10.1 page 69 Semiformal presentation (Italic) -> remove Italic font
- 10.1 page 39 multi-assurance evaluation / sub-TSF of / sub-TSF (Bold) -> remove Bold font
- 10.2.3 page 70 multi-assurance evaluation / sub-TSF (Bold) -> remove Bold font
- 10.3.1 Objectives page 71 It does not describe how (italic) --> remove Italic font
- 10.3.3.1 General page 72 SFR-enforcing / SFR-supporting / SFR non-interfering (italic) --> remove Italic font
- 10.3.3.2 Detail about the interfaces : purpose / method of use / Parameters (italic) --> remove Italic font
- 10.5.4 ADV_INT.1 Well-structured subset of TSF internals Page 83 encrypt.c and decrypt.c files (remove italic "file")
- 10.5.6 ADV_INT.3 Minimally complex internals Page 85 Make it Bold type "Developer action elements"

CC:2022 Part 3 Comments (3)

- 12.2.6, 12.2.7, 12.2.8 provides the unnecessary duplicated text “A life-cycle model encompasses ... ALC_LCD.1 Developer defined life-cycle processes. Remove the “ALC_LCD.1 Developer defined life-cycle processes” at the end of the sentence and consider to remove the duplicated text “A life-cycle model encompasses~ one standard defining both aspects” in multiple components
- Missing punctuation mark (period) at the end of the sentence of 12.9.3 Application notes
 - page 134, "by the TOE developer or by third party developers" -> "by the TOE developer or by third party developers."

CCUF ISO Project

(CfC for CC:2022/CEM:2022)



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Call for Comment: CC:2022 and CEM:2022 (CCUF ISO Standard)

Author: Kwangwoo Lee

All posts by the author

2/17/2023 8:32 PM

Dear CCUF member,

The new edition of CC:2022 and CEM:2022 was published on the [CCRA portal](#) in November 2022. The agreements between the ISO Central Secretariat and the IPRs' holders.

In addition, a new preliminary work item (PWI) titled "**Investigation of the feasibility and implementation of WG3 meeting** (October 2022). The scope of this PWI covers any work needed to gain consensus with

Do you have any comment or contribution to submit? [Submitting errata, fixes, typos, bug report](#)

All feedback should be submitted by **4 March 2023** using the following **commenting template** ([ISO](#)

Completed review forms should be emailed to **CCUF Liaison Officer** (kwsec.lee@gmail.com and/or

The CCUF ISO Standard project team would welcome any inputs from all the CCUF members at any point for CC:2022 and ISO/IEC 18045:2022 standards.

Thank you