ISO/IEC JTC 1/SC 27

Information technology - Security techniques

Secretariat: DIN, Germany

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ISO/IEC JTC 1/SC 27/WG 3 Recommendations and Resolutions

59th Meeting in Saint-Denis, France

October 14th – 18th 2019

WG Recommendation 1. Acceptance of minutes

ISO/IEC JTC 1/SC 27/WG 3 resolves to accept the minutes of ISO/IEC JTC 1/SC 27/WG 3 of the 58th meeting in Tel-Aviv, Israel, April 1st – 5th 2019, in document WG 3 N1677.

WG Recommendation 2. Appointment of the Drafting Committee

ISO/IEC JTC 1/SC 27/WG 3 resolves to appoint Kwangwoo Lee, Philippe Magnabosco, Mike Grimm and Tyrone Stodart as Drafting Committee of the meetings and instructs them to prepare the draft WG recommendations and resolutions document for WG 3, to be recorded in N20053.

WG Recommendation 3. Appointment of Acting Liaison Officers

ISO/IEC JTC 1/SC 27/WG 3 appoints the following acting liaison officers through the end of the meeting:

Liaison Officer	Liaison Institution
Hao Qin	to ITU-T SG 17

WG Recommendation 4. Appointment of Editors

ISO/IEC JTC 1/SC 27/WG 3 appoints the following editors:

Editor	Project	Title
Claire Vishik Sun Yan # Marcello Balduccini #	24462	Ontology for ICT Trustworthiness Assessment

co-editor

WG Recommendation 5. Establishment of WG Study Periods

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to take an appropriate action for the establishment of the Study Periods and appointment of rapporteurs listed below.

Document	Title	Rapporteur
WG 3 N1764	Hardware Monitoring Technology for Hardware Security Assessment	Bowei Zhang Ao Luo #
WG 3 N1765	Introduction of new assurance requirements in ISO/IEC 15408-3 covering patch management and deployment activities	Javier Tallón Sebastian Fritsch #
WG 3 N1766	Multi-Party Coordinated Vulnerability Disclosure and Handling	Josh Dembling Claire Vishik #

Document	Title	Rapporteur
WG 3 N1767	Complex Systems Cybersecurity Assurance	Antonio Kung
WG 3 N1768	Integral Structured Multi-dimensional Security Model for IT Systems	Ricardo Villalon
WG 3 N1769	Update of ISO/IEC 17825:2016	Sylvain Guilley Jean-Pierre Quémard # Randall Easter # Jiazhe Chen #
WG 3 N1770	Update of ISO/IEC 19790:2012 and ISO/IEC 24759:2017	Heebong Choi Jean-Pierre Quémard # Randall Easter # Carolyn French #

\# co-rapporteur

WG Recommendation 6. Extension of WG Study Periods

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to take an appropriate action for the extension of the Study Periods listed below for another six-month period.

Document	Title	Rapporteur
WG 3 N1763	Evaluation criteria for connected vehicle information security based on ISO/IEC 15408	Di Tang Dietmar Bremser # Christian Noetzel # Claire Vishik # Yi Zhang # Gaëtan Pradel #

\# co-rapporteur

WG Recommendation 7. Termination of WG Study Periods

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to take an appropriate action for the termination of the Study Periods listed below.

Document	Title	Rapporteur
WG3 N1698	The concept hierarchy for terminology used in SC27/WG3 projects in particular focused on the ISO/IEC 15408 and ISO/IEC 18045 projects	Elżbieta Andrukiewicz Dietmar Bremser #

\# co-rapporteur

WG Recommendation 8. Establishment of Ad hoc group

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to take an appropriate action for the establishment of the Ad hoc group listed below.

Document	Title	Convenor
WG 3 N1771	WG 3 terminology	Elżbieta Andrukiewicz Claire Vishik #

WG Recommendation 9. Call for contributions

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to circulate a call for expert participation and contributions for the following study periods. Submissions should reach the Secretariat by the due date identified below.

Document	Project	Title	To be sent to/by
WG 3 N1763	WG 3 Study Period	Evaluation criteria for connected vehicle information security based on ISO/IEC 15408	WG 3 Secr/ 2020-03-13
WG 3 N1764	WG 3 Study Period	Hardware Monitoring Technology for Hardware Security Assessment	WG 3 Secr/ 2020-03-13
WG 3 N1765	WG 3 Study Period	Introduction of new assurance requirements in ISO/IEC 15408-3 covering patch management and deployment activities	WG 3 Secr/ 2020-03-13
WG 3 N1766	WG 3 Study Period	Multi-Party Coordinated Vulnerability Disclosure and Handling	WG 3 Secr/ 2020-03-13
WG 3 N1767	WG 3 Study Period	Complex Systems Cybersecurity Assurance	WG 3 Secr/ 2020-03-13
WG 3 N1768	WG 3 Study Period	Integral Structured Multi-dimensional Security Model for IT Systems	WG 3 Secr/ 2020-03-13
WG 3 N1769	WG 3 Study Period	Update of ISO/IEC 17825:2016	WG 3 Secr/ 2020-03-13
WG 3 N1770	WG 3 Study Period	Update of ISO/IEC 19790:2012 and ISO/IEC 24759:2017	WG 3 Secr/ 2020-03-13

WG Recommendation 10.   Preparation of Documents

ISO/IEC JTC 1/SC 27/WG 3 requests the editors of the projects listed below to prepare a 1st WD for the projects identified below.

Document	Project	Title	Due date
WG 3 N1747	24462	Ontology for ICT Trustworthiness Assessment	2020-01-17

WG Recommendation 11.   Updating of documents

ISO/IEC JTC 1/SC 27/WG 3 requests the Project Editors / Co-Editors / Rapporteurs of the projects identified below to update the following drafts and produce Dispositions of Comments in accordance with the instructions decided at the Working Group/editing meetings, and to send these documents to the SC 27 and/or WG 3 Secretariat by the due dates.

Document	Project No.	Title	To be sent to/by	DoC Doc. No.
SC 27 N20033	15408-1	Evaluation criteria for IT security – Part 1: Introduction and general model	SC 27 Secr. 2020-03-15	SC 27 N20032
SC 27 N20034	15408-2	Evaluation criteria for IT security – Part 2: Security functional components	SC 27 Secr. 2020-03-15	SC 27 N20032
SC 27 N20035	15408-3	Evaluation criteria for IT security – Part 3: Security assurance components	SC 27 Secr. 2020-03-15	SC 27 N20032
SC 27 N20036	15408-4	Evaluation criteria for IT security – Part 4: Framework for the specification of evaluation methods and activities	SC 27 Secr. 2020-03-15	SC 27 N20032
SC 27 N20037	15408-5	Evaluation criteria for IT security – Part 5: Pre-defined packages of security requirements	SC 27 Secr. 2020-03-15	SC 27 N20032
SC 27 N20038	18045	Methodology for IT security evaluation	SC 27 Secr. 2020-03-15	SC 27 N20032
SC27 N20040	19989-1	Criteria and methodology for security evaluation of biometric systems – Part 1: framework	SC 27 Secr. 2020-01-17	SC 27 N20039
SC27 N20042	19989-2	Criteria and methodology for security evaluation of biometric systems – Part 2: biometric recognition performance	SC 27 Secr. 2020-01-17	SC 27 N20041
SC27 N20044	19989-3	Criteria and methodology for security evaluation of biometric systems – Part 3: presentation attack detection	SC 27 Secr. 2020-01-17	SC 27 N20043
SC 27 N20046	20085-2	Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules – Part 2: Test calibration methods and apparatus	SC 27 Secr. 2020-01-17	SC 27 N20045

SC 27 N20031	20897-2	Security requirements and test methods for physically unclonable functions for generating non-stored security parameters – Part 2: Test and evaluation methods	SC 27 Secr. 2020-01-17	WG 3 N1745
WG 3 N1746	22216	Introductory guidance on evaluation for IT security	WG 3 Secr. 2020-01-17	SC 27 N20032
SC 27 N20047	23532-1	Requirements for the competence of IT security testing and evaluation laboratories – Part 1: Testing and evaluation for ISO/IEC 15408	SC 27 Secr. 2020-01-17	WG 3 N1713
SC 27 N20048	23532-2	Requirements for the competence of IT security testing and evaluation laboratories – Part 2: Testing for ISO/IEC 19790	SC 27 Secr. 2020-01-17	WG 3 N1716
WG 3 N1720	23837-1	Security requirements, test and evaluation methods for quantum key distribution – Part 1: Requirements	WG 3 Secr. 2020-01-17	WG 3 N1719
WG 3 N1723	23837-2	Security requirements, test and evaluation methods for quantum key distribution – Part 2: Test and evaluation methods	WG 3 Secr. 2020-01-17	WG 3 N1722
SC 27 N20050	24485	Security properties, test and evaluation guidance for white box cryptography	SC 27 Secr. 2020-01-17	SC 27 N20049
WG 3 N1726	29128	Verification of cryptographic protocols	WG 3 Secr. 2020-01-17	WG 3 N1725
SC 27 N19502 WG 3 N1684	--	WG 3 Roadmap	WG 3 Secr. 2020-01-17	WG 3 N1683

WG Recommendation 12.   Documents for Study and Comment

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to circulate the following documents to experts for study and comment:

Document	Project	Title	Comments Due date
WG 3 N1746	22216	Introductory guidance on evaluation for IT security	2020-03-13
WG 3 N1720	23837-1	Security requirements, test and evaluation methods for quantum key distribution – Part 1: Requirements	2020-03-13

WG 3 N1723	23837-2	Security requirements, test and evaluation methods for quantum key distribution – Part 2: Test and evaluation methods	2020-03-13
WG 3 N1747	24462	Ontology for ICT Trustworthiness Assessment	2020-03-13
WG 3 N1726	29128	Verification of cryptographic protocols	2020-03-13
SC 27 N19502 WG 3 N1684	--	WG 3 Roadmap	2020-03-13

WG Recommendation 13.   Document for 1st PDTS

ISO/IEC JTC 1/SC 27/WG 3 requests the SC 27 Secretariat to register the following documents as 1st PDTS to circulate for balloting.

Document	Project	Title
SC 27 N20047	23532-1	Requirements for the competence of IT security testing and evaluation laboratories – Part 1: Testing and evaluation for ISO/IEC 15408
SC 27 N20048	23532-2	Requirements for the competence of IT security testing and evaluation laboratories – Part 2: Testing for ISO/IEC 19790

WG Recommendation 14.   Document for 1st CD

ISO/IEC JTC 1/SC 27/WG 3 requests the SC 27 Secretariat to register the following documents as 1st CD to circulate for balloting.

Document	Project	Title
SC 27 N20031	20897-2	Security requirements and test methods for physically unclonable functions for generating non-stored security parameters – Part 2: Test and evaluation methods

WG Recommendation 15.   Document for further DTR

ISO/IEC JTC 1/SC 27/WG 3 requests the SC 27 Secretariat to circulate the following documents for balloting.

Document	Project	Title
SC 27 N20050	24485	Security properties, test and evaluation guidance for white box cryptography

WG Recommendation 16.   Document for 1st DIS

ISO/IEC JTC 1/SC 27/WG 3 requests the SC 27 Secretariat to register the following documents as 1st DIS to circulate for balloting.

Document	Project	Title
SC 27 N20033	15408-1	Evaluation criteria for IT security – Part 1: Introduction and general model
SC 27 N20034	15408-2	Evaluation criteria for IT security – Part 2: Security functional components
SC 27 N20035	15408-3	Evaluation criteria for IT security – Part 3: Security assurance components
SC 27 N20036	15408-4	Evaluation criteria for IT security – Part 4: Framework for the specification of evaluation methods and activities
SC 27 N20037	15408-5	Evaluation criteria for IT security – Part 5: Pre-defined packages of security requirements
SC 27 N20038	18045	Methodology for IT security evaluation
SC27 N20042	19989-2	Criteria and methodology for security evaluation of biometric systems – Part 2: biometric recognition performance
SC27 N20044	19989-3	Criteria and methodology for security evaluation of biometric systems – Part 3: presentation attack detection

WG Recommendation 17.   Document for 1st FDIS

ISO/IEC JTC 1/SC 27/WG 3 requests the SC 27 Secretariat to register the following document as 1st FDIS to circulate for balloting.

Document	Project	Title
SC 27 N20040	19989-1	Criteria and methodology for security evaluation of biometric systems – Part 1: framework

WG Recommendation 18.   Liaison Statements

ISO/IEC JTC 1/SC 27/WG 3 approves the following liaison statements and requests the SC 27 Secretariat to send these liaison statements to the committees/institutions concerned.

WG	Document	To	Topic	Reference
all	SC 27 N20051	ITU-T SG 17	23837	SC 27 N19992
3	WG 3 N1752	CCDB	All projects	WG 3 N1751
3	WG 3 N1762	CCUF	All projects	WG 3 N1761
3, 5	WG 3 N1753	SC 37	Biometrics Security	N19763, WG3N1737

WG Recommendation 19.   Text for liaison statement to IEC/TC 65/WG 10 to be sent by ISO/IEC JTC 1/SC 27/WG 1

ISO/IEC JTC 1/SC 27/WG 3 provides input of the following text to WG 1 for inclusion within SC 27 N19329:

"WG 3 apologizes that the 3rd Committee Drafts of the revision of ISO/IEC 15408 and 18045 were not sent to IEC TC 65 and ISA 99 for information and comment. We will try to do better with the next drafts which will be enquiry drafts. WG 3 welcomes opportunities to circulate and review future IEC TC 65 documents related to security product and systems development, evaluation and certification."

WG Recommendation 20.   Text for liaison statement to ISA 99 to be sent by ISO/IEC JTC 1/SC 27/WG 1

ISO/IEC JTC 1/SC 27/WG 3 provides input of the following text to WG 1 for inclusion within WG 1 N2164:

"WG 3 apologizes that the 3rd Committee Drafts of the revision of ISO/IEC 15408 and 18045 were not sent to IEC TC 65 and ISA 99 for information and comment. We will try to do better with the next drafts which will be enquiry drafts. WG 3 welcomes opportunities to circulate and review future ISA or IEC documents related to security product and systems development, evaluation and certification, provided that, in accordance with your very helpful normal practice, copies of such documents as supplied to the SC 27 Secretariat bear copyright markings permitting SC 27 circulation."

WG Recommendation 21.   Update of SD4

ISO/IEC JTC 1/SC 27/WG 3 approves to update the following target dates in SD 4 and ask SC27 Secretariat to send those changes to JTC1 for endorsement letter ballot.

PROJECT	TITLE	TARGET DATES			
		WD/ WD/	CD/ PDTR/	DIS/ DTR/	IS/ TR/
24462	Ontology for ICT Trustworthiness Assessment	20/04	21/04	22/04	23/04

ISO/IEC JTC 1/SC 27/WG 3 requests its Convenor to submit to the SC 27 Secretariat the following resolutions for approval by the SC 27.

CRM Resolution 1. Documents for Publication

ISO/IEC JTC 1/SC 27 requests its Secretariat to take the appropriate action for the publication of the following documents:

Document	Project	Title
SC 27 N20046	20085-2	Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules – Part 2: Test calibration methods and apparatus

CRM Resolution 2. Extension of ISO Limit Date

ISO/IEC JTC 1/SC 27 requests its Secretariat to take the appropriate action for the Extension of ISO Limit date of the following projects:

Document	Project	Title
SC 27 N20052	15408-1	Evaluation criteria for IT security – Part 1: Introduction and general model
SC 27 N20052	15408-2	Evaluation criteria for IT security – Part 2: Security functional components
SC 27 N20052	15408-3	Evaluation criteria for IT security – Part 3: Security assurance components
SC 27 N20052	15408-4	Evaluation criteria for IT security – Part 4: Framework for the specification of evaluation methods and activities
SC 27 N20052	15408-5	Evaluation criteria for IT security – Part 5: Pre-defined packages of security requirements
SC 27 N20276	18045	Methodology for IT security evaluation

Resolution A   Thanks to the SC 27 Committee Manager

ISO/IEC JTC 1/SC 27/WG 3 thanks Krystyna Passia for her efficient and unfailing support before and during the meeting.

Acclamation

Resolution B   Thanks to the Drafting Committee

ISO/IEC JTC 1/SC 27/WG 3 thanks the members of the drafting committee Kwangwoo Lee, Philippe Magnabosco, Mike Grimm and Tyrone Stodart for drafting the resolutions.

Acclamation

Resolution C   Thanks to WG 3 Secretariat and Vice Convenor

The WG 3 Convener and experts thank its secretary and Vice Convenor, Naruki Kai, for his efforts and assistance in developing the WG 3 Meeting Report before, during and after the meeting.

Acclamation

Resolution D   Thanks to the Experts, Rapporteurs and Editors

ISO/IEC JTC 1/SC 27 WG 3 thanks all the SC 27 WG 3 experts, rapporteurs, editors, acting editors and acting rapporteurs for their efforts and continued support in progressing the many SC 27 WG 3 projects.

ISO/IEC JTC 1/SC 27 WG 3 especially thanks the following editors for their efforts in getting the following documents through the standardisation process.

Editor	Project	Title
Katie Moussouris Jorge Lopez Art Manion	30111	Vulnerability handling processes
Jean-Pierre Quémard Randy Easter	20543	Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408

Acclamation

Resolution E   Thanks to Hosts and Sponsors

ISO/IEC JTC1/SC 27/WG 3 expresses its appreciation to AFNOR and its Director General Mr Olivier Peyrat, for inviting and hosting the meeting, with particular thanks to Mr Frédéric Solbes and Ms Martine Dégardin for organising and supporting the meeting.

WG 3 further thanks Mr François Zamora (Orange), Chairman of the French national committee, for his special contribution and his leadership among the meeting sponsors. WG expresses further thanks to the meeting sponsors : Orange Business Services, EDF, Huawei, Microsoft, Gemalto, Outscale, Trialog, Trax, CryptoExperts and Club EBIOS. WG 3 thanks to ANSSI for supporting the meeting and with a special for ANSSI Director-General Guillaume Poupard.

Finally, WG3 wishes to convey thanks to the French Ministry of Interior for hosting the social event in the main, historical building of the Ministry, with particular thanks to the Secretary-General Christophe Mirmand, Ms Aurélie Lebourgeois and very special thanks to Ms Sophie Coutor for making this event possible.

Acclamation

Resolution F   **Thanks to the Convenor**

ISO/IEC JTC 1/SC 27 WG 3 thanks Miguel Bañón for his excellent work as WG 3 Convener.

Acclamation