ISO/IEC JTC 1/SC 27 N15245

ISO/IEC JTC 1/SC 27/WG 3 N1183

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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 BCM Resolutions

50th Meeting in Kuching

May 4th-8th 2015

All resolutions are approved UNANIMOUSLY unless otherwise noted.

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 49th meeting in Mexico City, Mexico, October 20th – 24th 2014, in document N14790.

WG Recommendation 2. Appointment of the Drafting Committee

ISO/IEC JTC 1/SC 27/WG 3 resolves to appoint Tobias Mikolasch, Heebong Choi, Hans von Sommerfeld as Drafting Committee of the meeting, and instructs them to prepare the draft WG recommendations and BCM resolutions document for WG 3, to be recorded in N15245.

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
Christian Noetzel	to SC 37
Mike Lai	to The Open Group

WG Recommendation 4. Appointment of Acting Editor

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

Editor	Project	Title
Randy Easter	1.27.114.01 (19896-1)	Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements

WG Recommendation 5. Appointment of Editors

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

Editor	Project	Title
Helmut Kurth Fiona Pattinson #	1.27.22 (15446)	Guide for production of protection profiles and security targets (PP/ST)
Heebong Choi	1.27.116 (20540)	Guidelines for testing cryptographic modules in their

Editor	Project	Title
Randy Easter #		operational environment
Jean-Pierre Quemard #		
Jean-Pierre Quemard	1.27.117 (20543)	Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408
Randy Easter #		
Hans von Sommerfeld #		
Art Manion	1.27.65 (29147)	Vulnerability disclosure
Katie Moussouris #		
Fiona Pattinson	1.27.114.01 (19896-1)	Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements
Randy Easter #		
Stephen Savard #		
Randy Easter	1.27.114.02 (19896-2)	Competence requirements for information security testers and evaluators — Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers
Fiona Pattinson #		
Stephen Savard #		

co-editor

WG Recommendation 6. Termination of WG 3 Study Periods

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

Document	Study Period	Rapporteur
SC 27 N13700	Physically unclonable functions for non-stored security parameter generation	Hirofumi Sakane Sylvain Guilley
SC 27 N14444	Continuous security monitoring of operational systems	Julio González Naruki Kai
SC 27 N12483	High-assurance evaluation under ISO/IEC 15408/18045	Rance DeLong

WG Recommendation 7. 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 or WG 3 Secretariat by the due dates.

Document	Project No.	Title	To be sent to/by	DoC Doc. No.
SC 27 N15235	1.27.101 (18367)	Cryptographic algorithms and security mechanisms conformance testing	SC 27 Secr/ 2015-07-15	SC 27 N15234
SC 27 N15248	1.27.108 (19249)	Catalogue of Architectural and Design Principles for Secure	SC 27 Secr/	WG 3

		Products, Systems, and Applications	2015-07-15	N1154
WG 3 N1193	1.27.109 (19608)	Guidance for developing security and privacy functional requirements based on ISO/IEC 15408	WG 3 Secr/ 2015-07-15	WG 3 N1156
WG 3 N1194	1.27.114.01 (19896-1)	Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements	WG 3 Secr/ 2015-07-15	WG 3 N1160
WG 3 N1195	1.27.114.02 (19896-2)	Competence requirements for information security testers and evaluators — Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers	WG 3 Secr/ 2015-07-15	WG 3 N1162
WG 3 N1196	1.27.112(19989)	Security evaluation of presentation attack detection for biometrics	WG 3 Secr/ 2015-07-15	WG 3 N1164
WG 3 N1197	1.27.113.01 (20085-1)	Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules — Part 1: Test tools and techniques	WG 3 Secr/ 2015-07-15	WG 3 N1169
WG 3 N1198	1.27.113.02 (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	WG 3 Secr/ 2015-07-15	WG 3 N1171

WG Recommendation 8. Preparation of Document

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

Document	Project	Title	Due date
WG 3 N1192	1.27.22 (15446)	Guide for production of Protection Profiles and Security Targets (PP/ST)	2015-07-15
WG 3 N1173	1.27.116 (20540)	Guidelines for testing cryptographic modules in their operational environment	2015-07-15
WG 3 N1172	1.27.117 (20543)	Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408	2015-07-15
WG 3 N1175	1.27.65 (29147)	Vulnerability disclosure	2015-07-15

WG Recommendation 9. 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 N1192	1.27.22 (15446)	Guide for production of Protection Profiles and Security Targets (PP/ST)	2015-09-30
WG 3 N1193	1.27.109 (19608)	Guidance for developing security and privacy functional requirements based on ISO/IEC 15408	2015-09-30
WG 3 N1194	1.27.114.01 (19896-1)	Competence requirements for information security testers and evaluators — Part 1: Introduction, concepts and general requirements	2015-09-30
WG 3 N1195	1.27.114.02 (19896-2)	Competence requirements for information security testers and evaluators — Part 2: Knowledge, skills and effectiveness requirements for ISO/IEC 19790 testers	2015-09-30
WG 3 N1196	1.27.112 (19989)	Security evaluation of presentation attack detection for biometrics	2015-09-30
WG 3 N1197	1.27.113.01 (20085-1)	Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules — Part 1: Test tools and techniques	2015-09-30
WG 3 N1198	1.27.113.02 (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	2015-09-30
WG 3 N1173	1.27.116 (20540)	Guidelines for testing cryptographic modules in their operational environment	2015-09-30
WG 3 N1172	1.27.117 (20543)	Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408	2015-09-30
WG 3 N1175	1.27.65 (29147)	Vulnerability disclosure	2015-09-30

WG Recommendation 10.   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
3	WG 3 N1150	CCDB	15408, 18045, 20004, 30104, 30111, 15446	WG 3 N1149
3	WG 3 N1191	SC 22/WG 23	The field of security evaluation, testing and vulnerability analysis, including ISO/IEC 15408, ISO/IEC 18405, ISO/IEC TR 20004	N/A
3, 4	SC 27 N15246	The Open Group	15443, 15446, 18045, 17960, 20004, 29147, 30104, 30111	SC 27 N15083
3, 5	SC 27 N15247	SC 37	17922, 29134, 19989, 2832-37, 24741, 30107, 30124, 30125, 30136	SC 27 N15053
3, 4	SC 27 N15364	ETSI MTS	18367, 19791, 20004, 30104, 30111	N/A
3	WG 3 N1200	FIRST	29147, 30111	SC 27 N15055

WG Recommendation 11.   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:

"WG 3 advises that the CD draft of IEC 62443-4-1 (65/591/DC) was circulated for comment within WG 3. No comments were received. WG 3 welcomes future opportunities to circulate and review future IEC documents related to security product and systems development, evaluation and certification. There are no specific SC 27/WG 3 Projects that WG 3 wishes to bring to the attention of IEC TC 65/WG 10 at this time."

WG Recommendation 12.   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:

"WG 3 advises that the CD draft of IEC 62443-4-1 (65/591/DC) was circulated for comment within WG 3. No comments were received. WG 3 welcomes future opportunities to circulate and review future ISA or IEC documents related to security product and systems development, evaluation and certification. There are no specific SC 27/WG 3 Projects that WG 3 wishes to bring to the attention of ISA 99 at this time."

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

BCM Resolution 1. Document for 1st PDTR

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

Document	Project	Title
SC27 N15248	1.27.108 (19249)	Catalogue of Architectural and Design Principles for Secure Products, Systems, and Applications

BCM Resolution 2. Document for 1st DIS

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

Document	Project	Title
SC 27 N15235	1.27.101 (18367)	Cryptographic algorithms and security mechanisms conformance testing

BCM Resolution 3. Document for Publication

ISO/IEC JTC 1/SC 27/WG 3 requests SC 27 Secretariat to take appropriate action for the publication of the following documents:

Document	Project	Title
SC 27 N15233	1.27.95 (17825)	Testing methods for the mitigation of non-invasive attack classes against cryptographic modules
SC 27 N15237	1.27.40 (19790)	Security requirements for cryptographic modules
SC 27 N15239	1.27.75 (20004)	Refining Software Vulnerability Analysis under ISO/IEC 15408 and ISO/IEC 18045 * *subject to project title and number change (BCM resolution 6 and 7)*
SC 27 N15241	1.27.51 (24759)	Test requirements for cryptographic modules

BCM Resolution 4. Proposals for New Work Item

ISO/IEC JTC 1/SC 27/WG 3 requests SC 27 Secretariat to circulate the following documents for New Work Item Proposal balloting:

Document	Title
SC 27 N15362	Security requirements, test and evaluation methods for physically unclonable functions for generating non-stored security parameters

BCM Resolution 5. Initiation of Revision

ISO/IEC JTC 1/SC 27/WG 3 requests SC 27 Secretariat to take appropriate action for the Revision of the following project:

Standard	Project	Title	Justification
ISO/IEC 30111:2014 (1st edition)	1.27.88 (30111)	Vulnerability handling processes	SC 27 N15360

BCM Resolution 6. Project Title Change

ISO/IEC JTC 1/SC 27/WG 3 requests SC 27 Secretariat to take appropriate action for the title change of the following project:

Project	New Title	Justification
1.27.75.01 (20004-1)	Refining Software Vulnerability Analysis under ISO/IEC 15408 and ISO/IEC 18045	N15363

BCM Resolution 7. Project Number Change

ISO/IEC JTC 1/SC 27/WG 3 requests SC 27 Secretariat to take appropriate action for the number change of the following project:

Project	New Number	Justification
1.27.75.01 (20004-1)	1.27.75 (20004)	N15363

BCM Resolution 8. Recommendations from periodical pre-review or systematic review of IS/TR

ISO/IEC JTC 1/SC 27/WG 3 requests SC 27 Secretariat to endorse the following recommendations based on periodical pre-review or systematic review results and take appropriate action:

Standard	Project	Title	Recommendation
ISO/IEC 15408-1:2009 (3rd edition, corrected and reprinted 2014-01-15)	1.27.16.01	Evaluation criteria for IT security - - Part 1: Introduction and general model	SC 27 N15243 *Confirmation*
ISO/IEC 19790:2012 (2nd edition)	1.27.40	Security requirements for cryptographic modules	SC 27 N15244 *Confirmation*
ISO/IEC 19791:2010 (2nd edition)	1.27.41	Security assessment of operational systems	SC 27 N15361 *Confirmation*
ISO/IEC 19792:2009 (1st edition)	1.27.42	Security evaluation of biometrics	SC 27 N15242 *Confirmation*

BCM Resolution 9. Cancellation of Revision

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to take appropriate action for the cancellation of the following revision.

Justification	Project	Title
SC 27 N15361	1.27.41 (19791)	Security assessment of operational systems

BCM Resolution 10. Cancellation of Project

ISO/IEC JTC 1/SC 27/WG 3 requests its Secretariat to take appropriate action for the cancellation of the following project.

Justification	Project	Title
SC 27 N15249	1.27.75.02 (20004-2)	Refining Software Vulnerability Analysis Under ISO/IEC 15408 and ISO/IEC 18045 - Part 2: CWE and CAPEC based software penetration testing

BCM Resolution 11. 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/	IS/ TR/
1.27.22 (15446)	Guide for production of Protection Profiles and Security Targets (PP/ST)	15/10	16/10	17/10
1.27.116 (20540)	Guidelines for testing cryptographic modules in their operational environment	15/10	16/10	17/10
1.27.117 (20543)	Test and analysis methods for random bit generators within ISO/IEC 19790 and ISO/IEC 15408	15/10	16/10	17/10
1.27.65 (29147)	Vulnerability disclosure	15/10	16/10	17/10

Resolution A   Thanks to the SC 27 Secretariat

ISO/IEC JTC 1/SC 27/WG 3 thanks Krystyna Passia for her efficient and unfailing administrative 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 Tobias Mikolasch, Heebong Choi, Hans von Sommerfeld 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 and during 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, and acting editors and acting rapporteurs for their efforts and continued support in progressing the many SC 27 WG 3 projects.

Acclamation

Resolution E   Thanks to Hosts and Sponsors

ISO/IEC JTC1/SC 27/WG 3 wishes to thank the Honourable Datuk Fadilah Baharin - Director-General, Department of Standards Malaysia, the Honourable Datu Ik Pahon anak Joyik - Permanent Secretary, Ministry of Tourism, Sarawak and Mr Ridzwan Kasim - Chairman for Organising Committee, SC 27 Plenary and WG Meetings, Kuching, Sarawak, Department of Standards Malaysia for their very successful hosting of the SC 27 Working Groups meeting in May 2015 in Kuching City.

ISO/IEC JTC1/SC 27/WG 3 also wishes to thank the members of the Kuching Meeting Organising Committee: Ms Roslina Harun, Ms Siti Faizah Roslaini Othman, Ms Nor Asikhin Jamingan - SIRIM Berhad and Ms Ainal Fatiha Mohamad Noor, Mr Shahrul Mohd Tahir, Ms Nur Hidayah Ayub Kamaruddin - Department of Standards Malaysia for their efficient and unfailing support throughout the meeting.

Last but not least many thanks to the supporting organisations: Azim Ng Abdullah - Vice President, Technical Services Division, SIRIM Berhad, Mr Thaib Mustafa - Chairman, SC 27 National Mirror Committee, Mr Azzudin Abang Bohari - Fenton Technology Sdn Bhd, Mr Ong Yew Seng - Fenton Technology Sdn Bhd and Dr Amirudin Abdul Wahab - Chief Technology Officer, CyberSecurity Malaysia as well as the sponsors: Malaysian Communications and Multimedia Commission, SIRIM QAS International Sdn Bhd, Microsoft Malaysia, BAE System Applied Intelligence Sdn Bhd, Sacofa Sdn Bhd, AQL Tek Sdn Bhd, Integrated Access Communication Sdn Bhd, Emaxx Synergy Sdn Bhd, Dewan Bandaraya Kuching Utara (Kuching North City Hall) for their sponsorship and support.

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