

BUREAU OF INDIAN STANDARDS

AGENDA

TENTH MEETING OF INFORMATION SYSTEMS SECURITY AND BIOMETRICS SECTIONAL COMMITTEE, LITD 17

DATE : 23-09-2016 DAY : FRIDAY TIME : 1030h	VENUE: HOTEL PARK PLAZA, 90-4 MARATHAHALLI/OUTER RING ROAD BANGALORE KARNATAKA 560037
Chairman: Shri B J Srinath	Member Secretary: Shri Bhanu Pratap

ITEM 0 WELCOME

- 0.1 Welcome by Member Secretary
- 0.2 Opening Remarks by the Chairman

ITEM 1 FORMAL CONFIRMATION OF THE MINUTES OF LAST MEETING

- 1.1 The minutes of the last meeting of 'Information Systems Security and Biometrics' Sectional Committee, LITD17 held on 03 Feb 2016 were circulated vide Email Ref No. LITD 17/A-2.9 dated **07-03-2016**. No comments have been received.

The Committee may formally confirm these minutes.

ITEM 2 ISSUES ARISING OUT OF THE PREVIOUS MEETING

- 2.1 The Status with regard to the decision taken during the last meeting is as under:

S. No	Ref. Clause of Minutes of 8th meeting	Action taken/Status
1	3.1 The following organizations/persons have been suggested by committee members for co-option in the committee a) National Security Council Secretariat (NSCS), New Delhi. b) Controller of Certifying Authorities , New Delhi c) National Crime Bureau, New Delhi, as user of Biometrics d) Police HQ, New Delhi, as user of Biometrics e) Indian Bank Association, IBA	Secretariat has sent mail/request to these organizations but we have not received nomination so far.
2	3.1.2 It was decided to write to the following organizations	Secretariat has sent mail/request to these

	requesting them for active participation: a) Bank of India b) Department of Science and Technology c) Global ICT Standardization Forum of India	organizations for active participation but we have received response from Department of Science and Technology only
3	Doc. No. LITD 17(3594)ISO/IEC 24745 : 2011 Information Technology – Security techniques – Biometric information protection.	A panel was formed by of LITD 17 to discuss the comments on these documents provided by UIDAI. .Four meetings of this panel were held to resolve these comments. Later on, a letter reference no. F.No. 11/19.2016-BIS dated 17-04-2016 (received on 19-05-2016) addressed to DGBIS, with a copy of the letter from the Secretary DeitY to Secretary DoCA, has been received from MoCA, advising BIS that the adoption of the above documents may be postponed till the Aadhaar Bill is examined by UIDAI and any action may be taken only after the aforesaid examination/study is completed.
4	Doc. No. LITD 17 (3595) ISO/IEC 19792 : 2009 Information Technology – Security techniques – Security evaluation of biometrics	

The Committee may note.

ITEM 3 REVIEW OF COMPOSITION OF SECTIONAL COMMITTEE LITD 17 AND ITS PANELS

3.1 The scope and composition of 'Information Systems Security and Biometrics' Sectional Committee, LITD 17 is given in **ANNEX I (Pg/ 9- 12)**.

3.2 The following organization have requested for their co-option in the committee:

- a) Narang N. Kishore (Narnix Technologies Pvt. Ltd.)
- b) Dakshina Ranjan Kisku, (NITS, Durgapur)

3.3 There are four panels under LITD 17. The composition of the panels is given at **ANNEX II (Pg/ 13- 14)**.

The Committee may consider and review its composition.

ITEM 4 DRAFT INDIAN STANDARDS SENT FOR FINALIZATION

4.1 The Committee may examine the following draft Indian Standards for approval for printing.

Sl. No	Draft Indian Standard	Remarks
1	Doc No.: LTD 17/10651	As decided in last meeting, this

	/ISO 27037 : 2012 Information technology -- Security techniques -- Guidelines for identification, collection, acquisition and preservation of digital evidence	document has been issued in Wide Circulation. Last date for comments is 30 Sep 2016 . No comments have been received so far.
2	Doc No.: LTD 17/10672 /ISO/IEC 27032:2012 : Information technology -- Security techniques -- Guidelines for cyber security	-do-
3	Doc No.: LTD 17/10673 /ISO/IEC 27010 : 2012— Information security management for inter-sector and inter-organizational communications	-do-
4	Doc No.: LTD 17/10674 /ISO/IEC 27018 — Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors	-do-
5	Doc No.: LTD 17/10675 /ISO/IEC TR 27008 — Guidance for auditors on ISMS controls (focused on the information security controls	-do-
6	Doc No.: LTD 17/10676 /ISO/IEC 27039:2015 Information technology -- Security techniques -- Selection, deployment and operations of intrusion detection systems (IDPS)	-do-
7	Doc No.: LTD 17/10677 /ISO/IEC 27040:2015 Information technology -- Security techniques -- Storage security	-do-
8	Doc No.: LTD 17/10678 /ISO/IEC 27006:2015 Information technology -- Security techniques -- Requirements for bodies providing audit and certification of information security management systems	-do-
9	Doc No.: LTD 17/10679 /ISO/IEC 27017:2015 Information technology -- Security techniques -- Code of practice for information security controls based on ISO/IEC 27002 for cloud services	-do-
10	Doc No.: LTD 17/10680 /ISO/IEC 27033-1 : 2015 Information technology — security techniques — network security Part 1 overview and concepts	-do-
11	Doc No.: LITD 17 (10695) /ISO /IEC17065 : 2012 Conformity assessment -- Requirements for bodies certifying products,	As decided in last meeting, this document has been issued in Wide Circulation. Last date for comments is 04 Nov 2016 . No comments have been received so far.
12	Doc No.: LITD 17 (10696)	-do-

	/ISO/IEC 29100:2011 Information technology -- Security techniques -- Privacy framework	
13	Doc No.: LITD 17 (10697) /ISO/IEC 29101:2013 Information technology -- Security techniques -- Privacy architecture framework	-do-
14	Doc No.: LITD 17 (10698) /ISO/IEC 29192-1:2012 Information technology -- Security techniques -- Lightweight cryptography -- Part 1: General	-do-
15	Doc No.: LITD 17 (10699) /ISO/IEC 29192-2:2012 Information technology -- Security techniques -- Lightweight cryptography -- Part 2: Block ciphers	-do-
16	Doc No.: LITD 17 (10700) /ISO/IEC 29192-3:2012 Information technology -- Security techniques -- Lightweight cryptography -- Part 3: Stream ciphers	-do-
17	Doc No.: LITD 17 (10701) /ISO/IEC 29192-4:2013 Information technology -- Security techniques -- Lightweight cryptography -- Part 4: Mechanisms using asymmetric techniques	-do-
18	Doc No.: LITD 17 (10702) /ISO/IEC 15946-1:2008 Information technology -- Security techniques -- Cryptographic techniques based on elliptic curves --Part 1: General	-do-
19	Doc No.: LITD 17 (10703) /ISO/IEC 18033-2:2006 Information technology -- Security techniques -- Encryption algorithms -- Part 2: Asymmetric ciphers	-do-
20	Doc No.: LITD 17 (10704) /ISO/IEC 18033-1:2005 Information technology -- Security techniques -- Encryption algorithms -- Part 1: General	-do-
21	Doc No.: LITD 17 (10705) /ISO/IEC 18033-3:2010 Information technology -- Security techniques -- Encryption algorithms -- Part 3: Block ciphers	-do-
22	Doc No.: LITD 17 (10706) /ISO/IEC 18014-1:2008 Information technology -- Security techniques -- Time-stamping services -- Part 1: Framework	-do-
23	Doc No.: LITD 17 (10707) ISO/IEC 18014-2:2009 Information technology -- Security techniques -- Time-stamping services -- Part 2: Mechanisms producing independent tokens.	-do-
24	Doc No.: LITD 17 (10708)	-do-

	/ISO/IEC 18014-3:2009 Information technology -- Security techniques -- Time-stamping services -- Part 3: Mechanisms producing linked tokens	
25	Doc No.: LITD 17 (10709) /ISO/IEC 18031:2011 Information technology -- Security techniques -- Random bit generation	-do-
26	ISO/IEC 18028-4:2005 Information technology -- Security techniques -- IT network security -- Part 4: Securing remote access	This ISO standard has been withdrawn at ISO. So committee may consider to withdraw this document

The Committee may consider.

ITEM 5 PRESENT POSITION OF WORK OF LITD 17

5.1. The present position of work of LITD 17 is given in **Annex III (Pg/ 15 - 21)**.

The Committee may note.

ITEM 6 REVIEW OF PUBLISHED INDIAN STANDARDS

6.1 In accordance with BIS procedure, Indian Standards which are in existence for more than 3 years are to be reviewed for reaffirmation/revision/withdrawal. Latest status of such standards along with the status of the ISO/IEC standards, on which these are based, is given below.

Sl. No.	IS No. and Title	Corresponding International Standard	Latest position of corresponding Standards	Remarks
1	IS/ISO/IEC 13335 : Part 1 : 2004 information technology - security techniques - management of information and communications technology security part 1 concepts and models for information and communications technology security management	ISO/IEC 13335 : Part 1 : 2004 Information technology — Security techniques — IT network security — Part 4: Securing remote access	Withdrawn	The base standard at ISO has been withdrawn. So committee may consider to withdraw it

The Committee may consider the above standards to reaffirm/revise/withdraw these Indian standards.

ITEM 7 INTERNATIONAL STANDARDIZATION ACTIVITIES

7.1 LITD 17 acts as the national mirror committee of SC 27 "IT security technique" & SC 37 "Biometrics".

India is a Participating member on SC 27 and SC 37 and has obligation to vote and send response on all the documents emanating from these subcommittees. (P)

7.2 List of international standards published by 'ISO/IEC/JTC1/SC 27' and by 'ISO/IEC/JTC1/SC 37' is given in **Annex IV(Pg/ 22 - 32)** & **Annex V(Pg/ 33 - 44)** respectively.

The Committee may examine the list of international standards published by SC 27 and SC 37 and identify international standards for adoption as Indian Standards.

7.3 The list of existing working groups under SC27 & SC37 is given below:

S. No	Title	Subcommittee/Working Groups
1	'ISO/IEC/JTC1/SC 27' IT Security techniques	WG 1 Information security management systems WG 2 Cryptography and security mechanisms WG 3 Security evaluation criteria WG 4 Security controls and services WG 5 Identity management and privacy technologies
2	'ISO/IEC/JTC1/SC 37' Biometrics	WG 1 Harmonized biometric vocabulary WG 2 Biometric technical interfaces WG 3 Biometric data interchange formats WG 4 Biometric functional architecture and related profiles WG 5 Biometric testing and reporting WG 6 Cross-Jurisdictional and Societal Aspects of Biometrics

7.3.1 Experts nominated on various WGs of ISO/IEC/JTC1/SC 27 are as follows:

1. **WG1:** Shri Rahul Sharma (DSCI),
Dr. Gargi Keeni (In personal capacity),
Shri Vipin Varma (TCS),
Shri Mahesh Kalyanaraman (Tata Communication),
Saurabh Agarwal (Skillcube India Pvt. Ltd.),
Shri Srinivas P(Infosys),
Shri Arvind Kumar (STQC),
Ms Kamini Malik (STQC),
Shri Abhilash Varghese (HCL),
Shri Srinivas Potharaju (KPMG)
Shri Rajeev Thykatt (Infosys),
Ms Amutha Arunachalam (In personal capacity),
2. **WG 2:** Shri S K Nehra(STQC),
Dr. Gargi Keeni(In personal capacity)
3. **WG 3:** Shri Arvind Kumar(STQC),
Shri Santosh Soni (DeitY),
Shri Rajeev Thykatt(Infosys),
Shri Sanjeev Chhabra(Infosys)
4. **WG4:** Shri Rahul Sharma (DSCI),
Dr. Gargi Keeni (In personal capacity),
Shri Abhik Chaudhuri(TCS),
Shri Rajeev Thykatt(Infosys),
Shri Srinivas Potharaju (KPMG)

5. **WG5:** Shri Rahul Sharma(DSCD),
Shri Srinivas P(Infosys),
Dr. Gargi Keeni (In personal capacity),
Shri Rajeev Thykatt (Infosys),
Shri Srinivas Potharaju (KPMG),
Shri Sanjeev Chhabra(In personal capacity),
Shri Abhilash Varghese (HCL)

7.3.2 Following experts have already been nominated from India in WGs of SC 37:

1. Ms Amutha Arunachalam in all WGs.
2. Shri Santosh Soni in all WGs.
3. Shri Yogendra Dnyaneshwar Wadaskar in WG 4, WG 5

The Committee may note and review experts nominated.

7.4 PANEL ON PRIVACY INFORMATION MANAGEMENT SYSTEM

7.4.1 In the last meeting, a Panel was formed to develop an indigenous standard on Privacy Information management system as there is no international standard on this subject under the convenorship of Shri Srinivas Poosarla (Infosys). He has informed BIS that working draft has been formulated by this panel and soon it will be circulated to committee members. Shri Srinivas Poosarla (Infosys) may provide the further details to the committee members.

The Committee may note

7.5 MEETINGS OF ISO/IEC /JTC 1/SC 27& ITS WORKING GROUP

7.5.1 It is informed that next Working Group meetings of ISO/IEC /JTC 1/SC 27, ‘IT Security Techniques’ is scheduled to be held during 23-27 Oct 2016 at Abu Dhabi, UAE.

7.5.2 The meeting Agenda of various **WGs** is attached with registration forms. Please **refer at ANNEX VI (Pg/ 45 -)**.

7.5.3 India is a “Participating” member in above mentioned committees and our experts are also member in some of the WGs of these committees as mentioned above. Therefore, we have the obligation to participate in these meetings. In order to increase India’s presence at ISO level and to keep track of the latest developments at SC 27, it is necessary that Indian delegation should participate in these meetings and contribute effectively so as to protect the trade interest of India.

7.5.4 Following delegates have confirmed to participate in these meetings as mentioned below

- i) Shri Srinivas Poosarla (Infosys) in WG 5
- ii) Shri Srinivas Potharaju (KPMG) in WG1, WG 4
- iii) Rajeev Thykatt (Infosys) in WG 3, WG 4 & WG 5
- iv) Dr Rajiv Sharma (DST) (to be nominated expert)
- v) Shri Natarajan Swaminathan (TCS) in WG 5
- vi) Shri Sanjiv Chhabra (Personal Capacity) in WG 3, & WG 5
- vii) Shri Abhik Chaudhari (TCS) in WG 4
- viii) Shri Abhilash Varghese (HCL Technologies) in WG1 & WG 5

The Committee may consider and decide the delegation to attend next Working Group meetings of ISO/IEC /JTC 1/SC 27, 'IT Security Techniques' scheduled to be held during 23-27 Oct 2016 at Abu Dhabi, UAE.

ITEM 8 RAJIV GANDHI NATIONAL QUALITY AWARD

Rajiv Gandhi National Quality Award had been instituted by the Bureau of Indian Standards, with the approval of Government of India in 1991 with a view to encourage Indian Industry including those in the service sector to strive for excellence and giving special recognition to those who are considered to be the leaders of quality movement in India. The award is intended to generate interest and involvement of Indian industry in quality programmes, drive our products and services to higher levels of quality and equip better to meet the challenge of domestic and International markets. The award has been designed in line with similar awards in other developed countries like Malcolm Baldrige National Quality Award of USA, Deming prize of Japan and European Quality Award of EFQM. This award is an annual feature.

There are five awards consisting of one for large scale manufacturing organizations, one for small scale manufacturing organizations, one for large scale service sector organizations, one for small scale service sector organizations and one for BEST OF ALL. In addition, there are twenty eight commendation certificates including eight commendation certificates each for large scale and small scale manufacturing organizations and six commendation certificates each for large scale and small scale service organization. The assessment criteria for these awards are based on Total Quality management (TQM) and are at par with the criteria for other similar overseas awards.

The Committee may note.

ITEM 9 INFORMATION ON E-SALE OF STANDARDS BY BIS

12.1 Bureau of Indian Standards, the National Standards Body of India has published more than 18000 Indian Standards which are available for sale. They are available on e-sale as under: Softcopy download from BIS sales portal <http://www.standardsbis.in>.

The Committee may note.

ITEM 10 NATIONAL INSTITUTE FOR TRAINING IN STANDARDISATION (NITS)

13.1 National Institute of Training for Standardization (NITS) has been set up by BIS with world class facilities to impart training on various aspects leading to standardization, quality and other management systems, consumer protection, public service delivery, etc. The training calendar for the current year is available on BIS web site <http://www.bis.org.in>. The organizations willing to depute their personnel for training may kindly go through the appropriate programme and get them registered to undergoing training.

The Committee may note.

ITEM 11 DATE AND PLACE FOR THE NEXT MEETING

ITEM 12 ANY OTHER BUSINESS

ANNEX I COMPOSITION OF LTD 17 INFORMATION SYSTEMS SECURITY AND BIOMETRICS

Organization	Member		Participation Status
CERT-IN, DIT	Shri B. J. Srinath	<i>Chairman</i>	<i>1/3</i>
Bharat Electronics Ltd. (BEL),Bangalore	Shri M M Joshi	<i>Principal</i>	<i>0/3</i>
Bank of India	Shri Sameer Ratolikar	<i>Principal</i>	<i>0/3</i>
	Shri Saraswati Shankar	<i>Alternate</i>	
Confederation of Indian Industries (CII)			<i>0/3</i>
	Shri Himanshu Talwar	<i>Principal</i>	
	Ms Aakanksha Kumar	<i>Alternate</i>	
Computer Society of India (CSI)			<i>0/3</i>
	Dr Durgesh Kumar Mishra	<i>Principal</i>	
	Nomination Awaited	<i>Alternate</i>	
Department of Science and Technology			<i>0/3</i>
	Shri Sujit Banerjee	<i>Principal</i>	
	Shri Rajeev Sharma	<i>Alternate</i>	
Global ICT Standardization Forum of India			<i>0/3</i>
	Shri TR Dua	<i>Principal</i>	
	Nomination Awaited	<i>Alternate</i>	
Institute of Chartered Accountants of India			<i>1/3</i>
	Shri CA. Vijay Garg	<i>Principal</i>	
	Nomination Awaited	<i>Alternate</i>	
Institute for Development and Research in Banking & Technology, Hyderabad			<i>0/3</i>
	Shri G. Raghuraj	<i>Principal</i>	
	Shri B M Mehtre	<i>Alternate</i>	
Indian Institute of Science			<i>0/3</i>
	Prof C.E. Veni Madhavan	<i>Principal</i>	
Infosys Technologies Limited			<i>2/3</i>
	Mr. Srinivas Poosarla	<i>Principal</i>	
	Ms Saritha	<i>Alternate</i>	
Intel South Asia (INTEL),Gurgaon			<i>0/3</i>

Shri Ashutosh Chadha	<i>Principal</i>	
Nomination Awaited	<i>Alternate</i>	
Indian Statistical Institute, Kolkata		0/3
Prof. Bimal K Roy	<i>Principal</i>	
Indian Institute of Information Technology, Delhi		0/0
Dr. Soumitra Kr Sanadhya	<i>Principal</i>	
Joint Cipher Bureau (Samukta Bijlekh)		0/3
Dr S.P. Khare	<i>Principal</i>	
Shri M.A.S. Namboodripad	<i>Alternate</i>	
KCPIL		2/3
Dr. V.K. Kanhere	<i>Principal</i>	
Larsen & Toubro Limited		3/3
Shri N.Sathyan	<i>Principal</i>	
Shri Irfan Alavi	<i>Alternate</i>	
Microsoft Corporoation (India) Pvt		1/3
Shri S Chandrasekhar	<i>Principal</i>	
Shri Sachin Malik	<i>Alternate</i>	
Ministry of Defence (DRDO)		0/3
Dr. P.K.Saxena	<i>Principal</i>	
Dr S.S. Bedi	<i>Alternate</i>	
Morpho Pvt. Ltd.		
Shri Saurabh Pachnanda	<i>Principal</i>	2/2
Shri Ujjawal Agarwal	<i>Alternate</i>	
National Accreditation Board for Certificaion		0/2
Shri A.S. Bhatnagar	<i>Principal</i>	
Nomination Awaited	<i>Alternate</i>	
National Assn. of Software and Service		3/3
Shri Rahul Sharma	<i>Principal</i>	
NEC India Pvt Ltd		0/3
Ms Jidnya Shah	<i>Principal</i>	
Shri Abhay Pimplikar	<i>Alternate</i>	
National Informatics Centre (NIC)		0/3
Nomination Awaited	<i>Principal</i>	

Smt Anjana Chaudhary	<i>Alternate</i>	
Polaris Financial Technology Ltd.		1/3
Shri Madhu K.	<i>Principal</i>	
Shri Ranajani D	<i>Alternate</i>	
Shri P Venugopal	<i>Second Alternate</i>	
State Bank of India		0/3
Shri Patrick Kishore	<i>Principal</i>	
Shri V. Vedagiri	<i>Alternate</i>	
Standardisation, Testing & Quality Certification		2/3
Shri Arvind Kumar	<i>Principal</i>	
Shri Rakesh Maheswari	<i>Alternate</i>	
Ms Kamini Malik	<i>Alternate</i>	
Tata Communication Limited		0/3
Shri Mahesh K.	<i>Principal</i>	
Shri Vijay Kumappan	<i>Alternate</i>	
Tata Consultancy Sevices,Hyderabad		1/3
Shri Satya T R	<i>Principal</i>	
Dr Vipin Varma	<i>Alternate</i>	
Shri Sandeep Oberoi	<i>Second Alternate</i>	
Telecommunication Engineering Centre		0/3
DDG (I)	<i>Principal</i>	
DIR (IC)	<i>Alternate</i>	
Unique Identification Authority of India		2/3
Ms Rajlakshmi Devraj	<i>Principa</i>	
Shri Yashwant Singh	<i>Second Alternate</i>	
WIPRO		1/3
Mr. Ananthanarayanan	<i>Principal</i>	
WYSE Biometrics Systems Pvt Ltd		2/3
Shri Y.D. Wadaskar	<i>Principal</i>	
Dr. Gargi Keeni	In Personal Capacity	1/3
Department of Electronics & IT (Deity)		
Shri Rakesh Maheshwari	<i>Principal</i>	
Shri Santosh Soni	<i>Alternate</i>	1/1

Centre for development of Advanced Computing (CDAC)

Dr. M. Sasikumar	<i>Principal</i>	0/0
Smt P.R.Lakshmi Eswari	<i>Alternate</i>	

Centre for Internet & Society

Mr. Sunil Abraham	<i>Principal</i>	0/0
Ms. Elonnai Hickok	<i>Alternate</i>	
Smt P.R.Lakshmi Eswari	<i>Alternate</i>	

Smt Amutha Arunachalam	In Personal Capacity	0/0
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ANNEX II
(PANEL COMPOSITION)

PANEL I
(For Voting/Comments on ISO/IEC documents)

Composition of the panel is as follows:

1. Shri Arvind Kumar (STQC) (Convener)
2. Shri Anand Bhatnagar (NABCB)
3. Shri Vishnu Kanhre (KCPIL)

PANEL II
(For comments on ISO Standards on Biometrics)

Composition of the panel is as follows:

1. Shri Santosh Soni (DeitY)(Convener)
2. Shri S K Nehra (STQC)
3. Ms Amutha Arunachalam(UIDAI)
4. Shri Y D Wadaskar (WYSE)
5. Shri Ujjawal Sabharwal (Morpho)

PANEL III
(For contribution in ISO activity in various WG of SC 27)

Composition of the panel is as follows:

1. Shri Rahul Sharma)(Convener)
2. Shri Abhilash Varghese (HCL Technologies)
3. Shri Sanjeev Chhabra (Mphasis Ltd.)
4. Shri Srinivas Potharaju (KPMG)
5. Shri Rajeev Thykatt (Infosys)
6. Shri Srinivas Poosarla (Infosys)
7. Shri Abhik Chaudhuri (TCS)
8. Shri Mahesh Kalyanaraman (Tata Communication)
9. Shri Natarajan Swaminathan

PANEL IV
(For standard on Privacy Information management system)

Composition of the panel is as follows:

1. Shri **Srinivas Poosarla** (convenor) (**Infosys**).
2. Ms Amutha Arunachalam (In personal Capacity)
3. Shri Rahul Sharma (DSCI)
4. Shri Srinivas Potharaju (KPMG)
5. Shri Rajeev Thykatt (Infosys)

ANNEX II

LITD 17 INFORMATION SYSTEMS SECURITY AND BIOMETRICS

SCOPE - To prepare Indian Standards relating to biometrics and security aspects of Information Systems & smart cards

LIAISON WITH ISO/IEC/JTC 1 SUB-COMMITTEES

JTC 1/SC 27 Security Techniques

JTC 1/SC 37 Biometrics

Sl. No.	IS Number/ DOC Number	Title	Reaffirm Date	No. of Amd
STANDARDS PUBLISHED				
1	*IS 9796(Part 2):2002 / ISO/IEC 9796-2(2002)	Information technology - Security techniques - Digital signature schemes giving message recovery - Part 2: Integer factorization based mechanisms		Apr 16
2	IS 9796(Part 3):2006 / ISO/IEC 9796-3(2006)	Information technology - Security techniques- Digital signature schemes giving message recovery - Part 3: Discrete logarithm based mechanisms		Apr 16
3	IS 14356:1996	Guide for protection of information resources		Feb 15
4	IS 14990(Part 1):2012 / ISO/IEC15408-1:2009	Information Technology - Security techniques - Evaluation criteria for IT security - Part 1: Introduction and general model [Second Revision]		Dec 15
5	IS 14990(Part 2):2015 / ISO/IEC 15408-2:2008	Information Technology - Security techniques - Evaluation criteria for ITsecurity - Part 2: Security functional requirements (First Revision)		May 16
6	IS 14990(Part 3):2016 / ISO/IEC 15408-3:2008	Information Technology - Security techniques - Evaluation criteria for ITsecurity - Part 3: Security assurance requirements (Second Revision)		May 16
7	IS 15116:2012 / ISO/IEC 10116:2006	Information Technology - Security techniques - Modes of operation for an n-bit block cipher (First Revision)		Jul 15
8	IS 15580:2012 / ISO/IEC 21827(2008)	Information Technology - Systems Security Engineering Capability Maturity Model (SSE-CMM)(First Revision)		Oct 15
9	IS 16281(Part 4):2014 / ISO/IEC 19785-4:2010	Information Technology - Common biometric exchange formates framework Part 4 Security block format Specifications		
10	IS 24762:2008 / ISO/IEC 24762(2008)	Information technology - Security techniques - Guidelines for information and communications technology disaster recovery services		Jul 15
11	IS /ISO/IEC 27001:2013 / ISO/IEC 27001:2013	Information Technology - Security Techniques - Information Security Management - Requirements		
12	IS/ISO/IEC 27003:2010 / ISO/IEC 27003:2010	Information technology - Security techniques - Information security management systems implementation guidance		Jul 15

13	IS 27004:2009 / ISO/IEC 27004:2009	Information technology - Security techniques - Information security management - measurement	Jul 15
14	*IS 27033(Part 1):2009 / ISO/IEC 27033-1(2009)	Information technology - Security techniques - Network security Part 1: Overview and concepts	Jan 16
15	IS 27005 : 2011 / ISO/IEC 27005(2011)	Information technology - Security techniques - Information security risk management	Jul 15
16	*IS/IEC 27000:2009 / ISO/IEC 27000:2009	Information technology - Security techniques - Information security management systems - Overview and vocabulary	Mar 16
17	IS 15671: 2016 / ISO/IEC 18045(2008)	Information Technology - Security techniques - Methodology for IT Security evaluation	
18	*IS/ ISO/IEC 27006(2007) / ISO/IEC 27006(2007)	Information technology - Security techniques - Requirements for the accreditation of bodies providing certification of Information security management systems	May 16
19.	IS 27033(Part 3):2010 ISO/IEC 27033-3:2010	Information technology -- Security techniques – Network security- Part 3:,design,Reference networking scenarios – Threats techniques and control issues	
20	IS/ISO/IEC 13335 : PART 1 : 2004 /ISO/IEC 13335 : PART 1: 2004	Information Technology - Security Techniques - Management Information and Communications Technology Security Part 1 Concepts and Models for Information and Communications of Technology Security Management	Feb 16
21.	IS 16281(Part 1):2014 / ISO/IEC 19785-1:2006	Information Technology — Common Biometric Exchange Formats Framework Part 1 Data Element Specification	
22.	IS 16464 : Part 2 : 2016 /ISO/IEC 19784-2 : 2007	Information Technology - Biometric Application Programming Interface Part 2 Biometric Archive Function Provider Interface	
23.	IS 16464 : Part 4 : 2015 /ISO/IEC 19784-4 : 2011	Information Technology - Biometric Application Programming Interface Part 4 Biometric Sensor Function Provider Interface	

FINALISED DRAFTS UNDER PRINT

1	DOC.LITD 17(3446) / ISO/IEC 11770-2 : 2008	Information Technology Security Techniques Key Management Part 2 Mechanisms using symmetric techniques
2	**DOC.LITD 17(3447) / ISO/IEC 11770-3 : 2008	Information Technology Security Techniques Key Management Part 3 Mechanisms Using Asymmetric Techniques
3	DOC.LITD 17(3448) / ISO/IEC 11770-4 : 2006	Information Technology Security Techniques Key Management Part 4 Mechanisms based on weak secrets
4	DOC.LITD 17(3449) / ISO/IEC 11770-5 : 2011	Information Technology Security Techniques Key Management Part 5 Group Key Management
5	DOC.LITD 17(3366) / ISO/IEC 27011(2008)	Information technology - Security techniques - Information security management guidelines for telecommunications organizations based on ISO/IEC 27002
.6	** DOC.LITD 17(3411) / ISO/IEC 27000(2014)	Information technology - Security techniques - Information security management systems — Overview and vocabulary (First Revision)
7	**DOC.LITD 17(3413) / ISO/IEC 27006(2011)	Information technology - Security techniques - Requirements for the accreditation of bodies providing certification of Information security management systems
8	DOC.LITD 17(3457) / ISO/IEC 27033-5 : 2013	Information Technology Security Techniques Network Security Part 5 Securing Communications Across Networks Using Virtual Private s Network (VPNS)
9	DOC.LITD 17(3467) / ISO/IEC 27002 : 2013	Information Technology Security Techniques Code Of Practice For Information Security Controls
10	DOC.LITD 17(3551) / ISO/IEC 19794-1 : 2011	Information technology -- Biometric data interchange formats -- Part 1 Framework
11	DOC.LITD 17(3552) / ISO/IEC 29109-6 : 2011	Information technology — Conformance testing methodology for ISO/IEC 19794 biometric data interchange formats defined in part 6 Iris image data
12	DOC.LITD 17(3459) /ISO/IEC 27035 : 2011	Information Technology Security Techniques Information Security Incident Management.
13	DOC.LITD 17(3450) / ISO/IEC 14888-1 : 1998	Information Technology Security Techniques Digital Signatures With Appendix Part 1 General
14	DOC.LITD 17(3458) / ISO/IEC 27034-1 : 2011	Information Technology Security Techniques Application Security Part 1 Overview And Concepts
15	DOC.LITD 17(3460) / ISO/IEC 27036-1 : 2014	Information Technology Security Techniques Information Security For Supplier Relationships Part 1 Overview And Concepts

16	DOC.LITD 17(3465)	Information Technology Biometric Application Programming Interface
17	DOC.LITD 17(3451) / ISO/IEC 14888-2 : 1999	Information Technology Security Techniques Digital Signatures With Appendix Part 2 Identity-Based Mechanisms
18	DOC.LITD 17(3454) / ISO/IEC 27033-2 : 2012	Information Technology Security Techniques Network Security Part 2 Guidelines for the design and Implementation of network security
19	DOC.LITD 17(3462) / ISO/IEC 19785-2 : 2006	Information Technology — Common Biometric Exchange Formats Framework Part 2 Procedures For The Operation Of The Biometric Registration Authority
20	DOC.LITD 17(3452) / ISO/IEC 14888-3 : 2006	Information Technology Security Techniques Digital Signatures With Appendix Part 3 Discrete Logarithm Based Mechanisms
21	DOC.LITD 17(3461) / ISO/IEC 27036-3 : 2013	Information Technology — Security Techniques — Information Security For Supplier Relationships Part 3: Guidelines For Information And Communication Technology Supply Chain Security
22	DOC.LITD 17(3464) / ISO/IEC 19785-3 : 2007	Information Technology — Common Biometric Exchange Formats Framework Part 3 Patron Format Specifications With Amd 1
23	DOC.LITD 17(3456) / ISO/IEC 27033-4 : 2014	Information Technology — Security Techniques — Network Security Part 4 Securing Communications Between Networks Using Security Gateways
24	DOC.LITD 17(3444) / ISO/IEC 9796-2 : 2010	Information technology - Security techniques - Digital signature schemes giving message recovery Part 2 Integer factorization based mechanism.
25	DOC.LITD 17(3445) / ISO/IEC 11770-1 : 2010	Information Technology Security Techniques Key Management Part 1 Framework
26	Doc. No. LITD 17(3575) ISO/IEC 19794-2: 2011	Information Technology – Biometric data interchange formats – Part 2: Finger minutiae data with amendment 1 'Conformance testing methodology and clarification of defects
27	Doc. No. LITD 17(3576) ISO/IEC 19794-3: 2006	Information Technology – Biometric data interchange formats – Part 3: Finger pattern spectral data
28	Doc. No. LITD 17(3577) ISO/IEC 19794-4: 2011	Information Technology – Biometric data interchange formats – Part 4: Finger image data with amendment 1 'Conformance testing methodology and clarification of defects
29	Doc. No. LITD 17(3578) ISO/IEC 19794-5: 2011	Information Technology – Biometric data interchange formats – Part 5: Face image data with amendment 1 'Conformance testing methodology and clarification of defects
30	Doc. No. LITD 17(3580) ISO/IEC 19794-7: 2014	Information Technology – Biometric data interchange formats – Part 7: Signature/Sign time series data
31	Doc. No. LITD 17(3581) ISO/IEC 19794-8: 2011	Information Technology – Biometric data interchange formats – Part 8: Finger pattern skeletal data with amendment 1 'Conformance testing methodology

32	Doc. No. LITD 17(3582) ISO/IEC 19794-9: 2011	Information Technology – Biometric data interchange formats – Part 9: Vascular image data
33	Doc. No. LITD 17(3583) ISO/IEC 19794-10: 2017	Information Technology – Biometric data interchange formats – Part 10: Hand geometry silhouette data
34	Doc. No. LITD 17(3584) ISO/IEC 19794-11: 2013	Information Technology – Biometric data interchange formats – Part 11: Signature/Sign processed dynamic data with amendment 1 'Conformance test Assertion'
35	Doc. No. LITD 17(3585) ISO/IEC 19794-14: 2013	Information Technology – Biometric data interchange formats – Part 14: DNA data
36	Doc. No. LITD 17(3586) ISO/IEC 29109-1: 2009	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 1: Generalized conformance testing methodology
37	Doc. No. LITD 17(3587) ISO/IEC 29109-2: 2010	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 2: Finger minutiae data
38	Doc. No. LITD 17(3588) ISO/IEC 29109-4: 2010	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 4: Finger image data
39	Doc. No. LITD 17(3589) ISO/IEC 29109-5: 2014	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 5: Face image data
40	Doc. No. LITD 17(3590) ISO/IEC 29109-7: 2011	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 7: Signature/Sign series data
41	Doc. No. LITD 17(3591) ISO/IEC 29109-8: 2011	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 8: Finger pattern skeletal data
42	Doc. No. LITD 17(3592) ISO/IEC 29109-9: 2011	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 9: Vascular image data
43	Doc. No. LITD 17(3593) ISO/IEC 29109-10: 2010	Information Technology – Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 10: Hand geometry silhouette data
44	Doc. No. LITD 17(3579) ISO/IEC 19794-6:2011	Information Technology – Biometric data interchange formats – Part 6: Iris image data

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/ **INDICATES DUAL NUMBER STANDARDS**

** **INDICATES STANDARDS TO BE REVISED**
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DRAFT STANDARDS ISSUED IN WIDE CIRCULATION

Sr No.	Doc: No	Title
1	Doc. No. LITD 17(3594) ISO/IEC 24745 : 2011	Information Technology – Security techniques – Biometric information protection
2	Doc. No. LITD 17 (3595) ISO/IEC 19792 : 2009	Information Technology – Security techniques – Security evaluation of biometrics
3	LTD 17/10651 <u>/ISO 27037 : 2012</u>	Information technology — Security techniques — Guidelines for identification, collection, acquisition and preservation of digital evidence
4	LTD 17/10672 <u>/ISO/IEC 27032:2012</u>	Information technology — Security techniques — Guidelines for cyber security
5	LTD 17/10673 <u>/ISO/IEC 27010 :2015</u>	Information technology — Security Techniques — Information security management for inter-sector and inter-organizational communications
6	LTD 17/10674 <u>/ISO/IEC 27018 : 2014</u>	Information technology — Security Techniques — Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors
7	LTD 17/10675 <u>/ISO/IEC TR 27008:2011</u>	Information technology — Security Techniques — Guidance for auditors on ISMS controls (focused on the information security controls
8	LTD 17/10676 <u>/ISO/IEC 27039:2015</u>	Information technology—Security techniques — Selection, deployment and operations of intrusion detection systems (IDPS)
9	LTD 17/10677 <u>/ISO/IEC 27040:2015</u>	Information technology — Security techniques — Storage security
10	LTD 17/10678 <u>/ISO/IEC 27006:2015</u>	Information technology — Security techniques — Requirements for bodies providing audit and certification of information security management systems
11	LTD 17/10679 <u>/ISO/IEC 27017:2015</u>	Information technology — Security techniques — Code of practice for information security controls based on ISO/IEC 27002 for cloud services
12	LTD 17/10680 <u>/ISO/IEC 27033-1 : 2015</u>	Information technology — security techniques — network security Part 1 overview and concepts
13	Doc No.: LITD 17 (10695) <u>/ISO /IEC17065 : 2012</u>	Conformity assessment -- Requirements for bodies certifying products,

- 14 Doc No.: LITD 17 (10696) Information technology -- Security techniques -- Privacy framework
/ISO/IEC 29100:2011
- 15 Doc No.: LITD 17 (10697) Information technology -- Security techniques -- Privacy architecture
/ISO/IEC 29101:2013 framework
- 16 Doc No.: LITD 17 (10698) Information technology -- Security techniques -- Lightweight cryptography
/ISO/IEC 29192-1:2012 -- Part 1: General
- 17 Doc No.: LITD 17 (10699) Information technology -- Security techniques -- Lightweight cryptography
/ISO/IEC 29192-2:2012 -- Part 2: Block ciphers
- 18 Doc No.: LITD 17 (10700) Information technology -- Security techniques -- Lightweight cryptography
/ISO/IEC 29192-3:2012 -- Part 3: Stream ciphers
- 19 Doc No.: LITD 17 (10701) Information technology -- Security techniques -- Lightweight cryptography
/ISO/IEC 29192-4:2013 -- Part 4: Mechanisms using asymmetric techniques
- 20 Doc No.: LITD 17 (10702) Information technology -- Security techniques -- Cryptographic techniques
/ISO/IEC 15946-1:2008 based on elliptic curves --Part 1: General
- 21 Doc No.: LITD 17 (10703) Information technology -- Security techniques -- Encryption algorithms --
/ISO/IEC 18033-2:2006 Part 2: Asymmetric ciphers
- 22 Doc No.: LITD 17 (10704) Information technology -- Security techniques -- Encryption algorithms --
/ISO/IEC 18033-1:2005 Part 1: General
- 23 Doc No.: LITD 17 (10705) Information technology -- Security techniques -- Encryption algorithms --
/ISO/IEC 18033-3:2010 Part 3: Block ciphers
- 24 Doc No.: LITD 17 (10706) Information technology -- Security techniques -- Time-stamping services --
/ISO/IEC 18014-1:2008 Part 1: Framework
- 25 Doc No.: LITD 17 (10707) Information technology -- Security techniques -- Time-stamping services --
/ISO/IEC 18014-2:2009 Part 2: Mechanisms producing independent tokens.
- 26 Doc No.: LITD 17 (10708) Information technology -- Security techniques -- Time-stamping services --
/ISO/IEC 18014-3:2009 Part 3: Mechanisms producing linked tokens
- 27 Doc No.: LITD 17 (10709) Information technology -- Security techniques -- Random bit generation
/ISO/IEC 18031:2011

INDICATES STANDARDS UNDER REVISION
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ANNEX III

Standards and projects under the direct responsibility of ISO/IEC JTC 1/SC 27 Secretariat

ISO STANDARDS PUBLISHED

Information and operations security and integrity requirements for lottery and gaming organizations

[ISO/IEC 7064:2003](#)

Information technology -- Security techniques -- Check character systems

[ISO/IEC 9796-2:2010](#)

Information technology -- Security techniques -- Digital signature schemes giving message recovery -- Part 2: Integer factorization based mechanisms

[ISO/IEC 9796-3:2006](#)

Information technology -- Security techniques -- Digital signature schemes giving message recovery -- Part 3: Discrete logarithm based mechanisms

[ISO/IEC 9797-1:2011](#)

Information technology -- Security techniques -- Message Authentication Codes (MACs) -- Part 1: Mechanisms using a block cipher

[ISO/IEC 9797-2:2011](#)

Information technology -- Security techniques -- Message Authentication Codes (MACs) -- Part 2: Mechanisms using a dedicated hash-function

[ISO/IEC 9797-3:2011](#)

Information technology -- Security techniques -- Message Authentication Codes (MACs) -- Part 3: Mechanisms using a universal hash-function

[ISO/IEC 9798-1:2010](#)

Information technology -- Security techniques -- Entity authentication -- Part 1: General

[ISO/IEC 9798-2:2008](#)

Information technology -- Security techniques -- Entity authentication -- Part 2: Mechanisms using symmetric encipherment algorithms

[ISO/IEC 9798-3:1998](#)

Information technology -- Security techniques -- Entity authentication -- Part 3: Mechanisms using digital signature techniques

[ISO/IEC 9798-4:1999](#)

Information technology -- Security techniques -- Entity authentication -- Part 4: Mechanisms using a cryptographic check function

[ISO/IEC 9798-5:2009](#)

Information technology -- Security techniques -- Entity authentication -- Part 5: Mechanisms using zero-knowledge techniques

[ISO/IEC 9798-6:2010](#)

Information technology -- Security techniques -- Entity authentication -- Part 6: Mechanisms using manual data transfer

[ISO/IEC 10116:2006](#)

Information technology -- Security techniques -- Modes of operation for an n-bit block cipher

[ISO/IEC 10118-1:2000](#)

Information technology -- Security techniques -- Hash-functions -- Part 1: General

[ISO/IEC 10118-2:2010](#)

Information technology -- Security techniques -- Hash-functions -- Part 2: Hash-functions using an n-bit block cipher

[ISO/IEC 10118-3:2004](#)

Information technology -- Security techniques -- Hash-functions -- Part 3: Dedicated hash-functions

[ISO/IEC 10118-4:1998](#)

Information technology -- Security techniques -- Hash-functions -- Part 4: Hash-functions using modular arithmetic

[ISO/IEC 11770-1:2010](#)

Information technology -- Security techniques -- Key management -- Part 1: Framework

[ISO/IEC 11770-2:2008](#)

Information technology -- Security techniques -- Key management -- Part 2: Mechanisms using symmetric techniques

[ISO/IEC 11770-3:2015](#)

Information technology -- Security techniques -- Key management -- Part 3: Mechanisms using asymmetric techniques

[ISO/IEC 11770-4:2006](#)

Information technology -- Security techniques -- Key management -- Part 4: Mechanisms based on weak secrets

[ISO/IEC 11770-5:2011](#)

Information technology -- Security techniques -- Key management -- Part 5: Group key management

[ISO/IEC 13888-1:2009](#)

Information technology -- Security techniques -- Non-repudiation -- Part 1: General

[ISO/IEC 13888-2:2010](#)

Information technology -- Security techniques -- Non-repudiation -- Part 2: Mechanisms using symmetric techniques

[ISO/IEC 13888-3:2009](#)

Information technology -- Security techniques -- Non-repudiation -- Part 3: Mechanisms using asymmetric techniques

[ISO/IEC TR 14516:2002](#)

Information technology -- Security techniques -- Guidelines for the use and management of Trusted Third Party services

[ISO/IEC 14888-1:2008](#)

Information technology -- Security techniques -- Digital signatures with appendix -- Part 1: General

[ISO/IEC 14888-2:2008](#)

Information technology -- Security techniques -- Digital signatures with appendix -- Part 2: Integer factorization based mechanisms

[ISO/IEC 14888-3:2016](#)

Information technology -- Security techniques -- Digital signatures with appendix -- Part 3: Discrete logarithm based mechanisms

[ISO/IEC 15408-1:2009](#)

Information technology -- Security techniques -- Evaluation criteria for IT security -- Part 1: Introduction and general model

[ISO/IEC 15408-2:2008](#)

Information technology -- Security techniques -- Evaluation criteria for IT security -- Part 2: Security functional components

[ISO/IEC 15408-3:2008](#)

Information technology -- Security techniques -- Evaluation criteria for IT security -- Part 3: Security assurance components

[ISO/IEC TR 15443-1:2012](#)

Information technology -- Security techniques -- Security assurance framework -- Part 1: Introduction and concepts

[ISO/IEC TR 15443-2:2012](#)

Information technology -- Security techniques -- Security assurance framework -- Part 2: Analysis

[ISO/IEC TR 15446:2009](#)

Information technology -- Security techniques -- Guide for the production of Protection Profiles and Security Targets

[ISO/IEC 15816:2002](#)

Information technology -- Security techniques -- Security information objects for access control

[ISO/IEC 15945:2002](#)

Information technology -- Security techniques -- Specification of TTP services to support the application of digital signatures

[ISO/IEC 15946-1:2016](#)

Information technology -- Security techniques -- Cryptographic techniques based on elliptic curves -- Part 1: General

[ISO/IEC 15946-5:2009](#)

Information technology -- Security techniques -- Cryptographic techniques based on elliptic curves -- Part 5: Elliptic curve generation

[ISO/IEC 17825:2016](#)

Information technology -- Security techniques -- Testing methods for the mitigation of non-invasive attack classes against cryptographic modules

[ISO/IEC 18014-1:2008](#)

Information technology -- Security techniques -- Time-stamping services -- Part 1: Framework

[ISO/IEC 18014-2:2009](#)

Information technology -- Security techniques -- Time-stamping services -- Part 2: Mechanisms producing independent tokens

[ISO/IEC 18014-3:2009](#)

Information technology -- Security techniques -- Time-stamping services -- Part 3: Mechanisms producing linked tokens

[ISO/IEC 18014-4:2015](#)

Information technology -- Security techniques -- Time-stamping services -- Part 4: Traceability of time sources

[ISO/IEC 18031:2011](#)

Information technology -- Security techniques -- Random bit generation

[ISO/IEC 18032:2005](#)

Information technology -- Security techniques -- Prime number generation

[ISO/IEC 18033-1:2015](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 1: General

[ISO/IEC 18033-2:2006](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 2: Asymmetric ciphers

[ISO/IEC 18033-3:2010](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 3: Block ciphers

[ISO/IEC 18033-4:2011](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 4: Stream ciphers

[ISO/IEC 18033-5:2015](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 5: Identity-based ciphers

[ISO/IEC 18045:2008](#)

Information technology -- Security techniques -- Methodology for IT security evaluation

[ISO/IEC 18370-2:2016](#)

Information technology -- Security techniques -- Blind digital signatures -- Part 2: Discrete logarithm based mechanisms

[ISO/IEC 19772:2009](#)

Information technology -- Security techniques -- Authenticated encryption

[ISO/IEC 19790:2012](#)

Information technology -- Security techniques -- Security requirements for cryptographic modules

[ISO/IEC TR 19791:2010](#)

Information technology -- Security techniques -- Security assessment of operational systems

[ISO/IEC 19792:2009](#)

Information technology -- Security techniques -- Security evaluation of biometrics

[ISO/IEC TR 20004:2015](#)

Information technology -- Security techniques -- Refining software vulnerability analysis under ISO/IEC 15408 and ISO/IEC 18045

[ISO/IEC 20008-1:2013](#)

Information technology -- Security techniques -- Anonymous digital signatures -- Part 1: General

[ISO/IEC 20008-2:2013](#)

Information technology -- Security techniques -- Anonymous digital signatures -- Part 2: Mechanisms using a group public key

[ISO/IEC 20009-1:2013](#)

Information technology -- Security techniques -- Anonymous entity authentication -- Part 1: General

[ISO/IEC 20009-2:2013](#)

Information technology -- Security techniques -- Anonymous entity authentication -- Part 2: Mechanisms based on signatures using a group public key

[ISO/IEC 21827:2008](#)

Information technology -- Security techniques -- Systems Security Engineering -- Capability Maturity Model® (SSE-CMM®)

[ISO/IEC 24745:2011](#)

Information technology -- Security techniques -- Biometric information protection

[ISO/IEC 24759:2014](#)

Information technology -- Security techniques -- Test requirements for cryptographic modules

[ISO/IEC 24760-1:2011](#)

Information technology -- Security techniques -- A framework for identity management -- Part 1: Terminology and concepts

[ISO/IEC 24760-2:2015](#)

Information technology -- Security techniques -- A framework for identity management -- Part 2: Reference architecture and requirements

[ISO/IEC 24760-3:2016](#)

Information technology -- Security techniques -- A framework for identity management -- Part 3: Practice

[ISO/IEC 24761:2009](#)

Information technology -- Security techniques -- Authentication context for biometrics

[ISO/IEC 27000:2016](#)

Information technology -- Security techniques -- Information security management systems -- Overview and vocabulary

[ISO/IEC 27001:2013](#)

Information technology -- Security techniques -- Information security management systems -- Requirements

[ISO/IEC 27002:2013](#)

Information technology -- Security techniques -- Code of practice for information security controls

[ISO/IEC 27003:2010](#)

Information technology -- Security techniques -- Information security management system implementation guidance

[ISO/IEC 27004:2009](#)

Information technology -- Security techniques -- Information security management -- Measurement

[ISO/IEC 27005:2011](#)

Information technology -- Security techniques -- Information security risk management

[ISO/IEC 27006:2015](#)

Information technology -- Security techniques -- Requirements for bodies providing audit and certification of information security management systems

[ISO/IEC 27007:2011](#)

Information technology -- Security techniques -- Guidelines for information security management systems auditing

[ISO/IEC TR 27008:2011](#)

Information technology -- Security techniques -- Guidelines for auditors on information security controls

[ISO/IEC 27009:2016](#)

Information technology -- Security techniques -- Sector-specific application of ISO/IEC 27001 -- Requirements

[ISO/IEC 27010:2015](#)

Information technology -- Security techniques -- Information security management for inter-sector and inter-organizational communications

[ISO/IEC 27011:2008](#)

Information technology -- Security techniques -- Information security management guidelines for telecommunications organizations based on ISO/IEC 27002

[ISO/IEC 27013:2015](#)

Information technology -- Security techniques -- Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1

[ISO/IEC 27014:2013](#)

Information technology -- Security techniques -- Governance of information security

[ISO/IEC TR 27015:2012](#)

Information technology -- Security techniques -- Information security management guidelines for financial services

[ISO/IEC TR 27016:2014](#)

Information technology -- Security techniques -- Information security management -- Organizational economics

[ISO/IEC 27017:2015](#)

Information technology -- Security techniques -- Code of practice for information security controls based on ISO/IEC 27002 for cloud services

[ISO/IEC 27018:2014](#)

Information technology -- Security techniques -- Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors

[ISO/IEC TR 27019:2013](#)

Information technology -- Security techniques -- Information security management guidelines based on ISO/IEC 27002 for process control systems specific to the energy utility industry

[ISO/IEC TR 27023:2015](#)

Information technology -- Security techniques -- Mapping the revised editions of ISO/IEC 27001 and ISO/IEC 27002

[ISO/IEC 27031:2011](#)

Information technology -- Security techniques -- Guidelines for information and communication technology readiness for business continuity

ISO STANDARDS UNDER DEVELOPMENT

[ISO/IEC NP 9798-2](#)

Information technology -- Security techniques -- Entity authentication -- Part 2: Mechanisms using symmetric encipherment algorithms

[ISO/IEC NP 9798-3](#)

Information technology -- Security techniques -- Entity authentication -- Part 3: Mechanisms using digital signature techniques

[ISO/IEC CD 10116](#)

Information technology -- Security techniques -- Modes of operation for an n-bit block cipher

[ISO/IEC DIS 10118-1](#)

Information technology -- Security techniques -- Hash-functions -- Part 1: General

[ISO/IEC NP 10118-3](#)

Information technology -- Security techniques -- Hash-functions -- Part 3: Dedicated hash-functions

[ISO/IEC FDIS 11770-3](#)

Information technology -- Security techniques -- Key management -- Part 3: Mechanisms using asymmetric techniques

[ISO/IEC NP 11770-4](#)

Information technology -- Security techniques -- Key management -- Part 4: Mechanisms based on weak secrets

[ISO/IEC CD 11770-6](#)

Information technology -- Security techniques -- Key management -- Part 6: Key derivation

[ISO/IEC NP TR 14516-1](#)

Information technology -- Security techniques -- Guidelines for the use and management of Trusted Third Party services -- Part 1: Overview and concepts

[ISO/IEC NP TR 14516-2](#)

Information technology -- Security techniques -- Guidelines for the use and management of Trusted Third Party services -- Part 2: Guidelines on information security of PKI Trust Service Providers

[ISO/IEC NP TR 14516-3](#)

Information technology -- Security techniques -- Guidelines for the use and management of Trusted Third Party services -- Part 3: Guidelines on provision of services by PKI Trust Service Providers

[ISO/IEC CD 14888-3](#)

Information technology -- Security techniques -- Digital signatures with appendix -- Part 3: Discrete logarithm based mechanisms

[ISO/IEC CD 15946-1](#)

Information technology -- Security techniques -- Cryptographic techniques based on elliptic curves -- Part 1: General

[ISO/IEC DIS 17825](#)

Information technology -- Security technique -- Testing methods for the mitigation of non-invasive attack classes against cryptographic modules

[ISO/IEC CD 17922](#)

Telebiometric authentication framework using biometric hardware security module (ITU-T X.bhsm | ISO/IEC xxxxx)

[ISO/IEC 18014-4](#)

Information technology -- Security techniques -- Time-stamping services -- Part 4: Traceability of time sources

[ISO/IEC DIS 18033-1](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 1: General

[ISO/IEC PRF 18033-5](#)

Information technology -- Security techniques -- Encryption algorithms -- Part 5: Identity-based ciphers

[ISO/IEC NP 18033-6](#)

Information technology -- Encryption algorithms -- Part 6: Homomorphic encryption

[ISO/IEC CD 18367](#)

Cryptographic algorithms and security mechanisms conformance testing

[ISO/IEC CD 18370-1](#)

Information technology -- Security techniques -- Blind digital signatures -- Part 1: General

[ISO/IEC DIS 18370-2](#)

Information technology -- Security techniques -- Blind digital signatures -- Part 2: Discrete logarithm based mechanisms

[ISO/IEC NP TR 19249](#)

Catalogue of architectural and design principles for secure products, systems, and applications

[ISO/IEC NP 19592-1](#)

Information technology -- Security techniques -- Secret Sharing -- Part 1: General

[ISO/IEC NP 19592-2](#)

Information technology -- Security techniques -- Secret sharing -- Part 2: Fundamental mechanisms

[ISO/IEC NP TR 19608](#)

Guidance for developing security and privacy functional requirements based on ISO/IEC 15408

[ISO/IEC NP TR 19791](#)

Information technology -- Security techniques -- Security assessment of operational systems

[ISO/IEC NP 19896](#)

Information technology -- Security techniques -- Competence requirements for information security testers and evaluators

[ISO/IEC NP 19989](#)

Evaluation of presentation attack detection for biometrics

[ISO/IEC NP 20009-3](#)

Information technology -- Security techniques -- Anonymous entity authentication -- Part 3: Mechanisms based on blind signatures

[ISO/IEC CD 20009-4](#)

Information technology -- Security techniques -- Anonymous entity authentication -- Part 4: Mechanisms based on weak secrets

[ISO/IEC NP 20085](#)

Test tool requirements and test tool calibration methods for use in testing non-invasive attack mitigation techniques in cryptographic modules

[ISO/IEC FDIS 24760-2](#)

Information technology -- Security techniques -- A framework for identity management -- Part 2: Reference architecture and requirements

[ISO/IEC CD 24760-3](#)

Information Technology -- Security Techniques -- A Framework for Identity Management -- Part 3: Practice

[ISO/IEC DIS 27000](#)

Information technology -- Security techniques -- Information security management systems -- Overview and vocabulary

[ISO/IEC CD 27003](#)

Information technology -- Security techniques -- Information security management system implementation guidance

[ISO/IEC CD 27004](#)

Information technology -- Security techniques -- Information security management -- Measurement

[ISO/IEC WD 27005](#)

Information technology -- Security techniques -- Information security risk management

[ISO/IEC DIS 27006](#)

Information technology -- Security techniques -- Requirements for bodies providing audit and certification of information security management systems

[ISO/IEC NP 27007](#)

Information technology -- Security techniques -- Guidelines for information security management systems auditing

[ISO/IEC NP TR 27008](#)

Information technology -- Security techniques -- Guidelines for auditors on information security controls

[ISO/IEC CD 27009](#)

The Use and Application of ISO/IEC 27001 for Sector/Service-Specific Third-Party Accredited Certifications

[ISO/IEC DIS 27010](#)

Information technology -- Security techniques -- Information security management for inter-sector and inter-organizational communications

[ISO/IEC CD 27011](#)

Information technology -- Security techniques -- Code of practice for Information security controls based on ISO/IEC 27002 for telecommunications organizations

[ISO/IEC DIS 27013](#)

Information technology -- Security techniques -- Guidance on the integrated implementation of ISO/IEC 27001 and ISO/IEC 20000-1

[ISO/IEC DIS 27017](#)

Information technology -- Security techniques -- Code of practice for information security controls based on ISO/IEC 27002 for cloud services

[ISO/IEC NP 27021](#)

Information technology -- Security techniques -- Competence requirements for information security management systems

professionals

[ISO/IEC TR 27023](#)

Information technology -- Security techniques -- Mapping the revised editions of ISO/IEC 27001 and ISO/IEC 27002

[ISO/IEC 27033-1](#)

Information technology -- Security techniques -- Network security -- Part 1: Overview and concepts

[ISO/IEC DIS 27033-6](#)

Information technology -- Security techniques -- Network security -- Part 6: Securing wireless IP network access

[ISO/IEC FDIS 27034-2](#)

Information technology -- Security techniques -- Application security -- Part 2: Organization normative framework

[ISO/IEC NP 27034-3](#)

Information technology -- Security techniques -- Application security -- Part 3: Application security management process

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[ISO/IEC CD 27034-5](#)

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[ISO/IEC CD 27034-6](#)

Information technology -- Security techniques -- Application security -- Part 6: Security guidance for specific applications

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Information technology -- Application security -- Part 7: Application security assurance prediction

[ISO/IEC NP 27034-5-1](#)

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[ISO/IEC CD 27035-1](#)

Information technology -- Security techniques -- Information security incident management -- Part 1: Principles of incident management

[ISO/IEC CD 27035-2](#)

Information technology -- Security techniques -- Information security incident management -- Part 2: Guidelines to plan and prepare for incident response

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Information technology -- Security techniques -- Information security incident management -- Part 3: Guidelines for CSIRT operations

[ISO/IEC WD 27036-4](#)

Information technology -- Information security for supplier relationships -- Part 4: Guidelines for security of Cloud services

[ISO/IEC FDIS 27041](#)

Information technology -- Security techniques -- Guidance on assuring suitability and adequacy of incident investigative method

[ISO/IEC FDIS 27042](#)

Information technology -- Security techniques -- Guidelines for the analysis and interpretation of digital evidence

[ISO/IEC WD 27044](#)

Guidelines for Security Information and Event Management (SIEM)

[ISO/IEC CD 27050-1](#)

Information technology -- Security techniques -- Electronic discovery -- Part 1: Overview and concepts

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Information technology -- Security techniques -- Electronic discovery -- Part 2: Guidance for governance and management of electronic discovery

[ISO/IEC NP 27050-3](#)

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[ISO/IEC NP 27050-4](#)

Information technology -- Security techniques -- Electronic discovery -- Part 4: ICT readiness for electronic discovery

[ISO/IEC WD 29003](#)

Information technology -- Security techniques -- Identity proofing

[ISO/IEC WD 29134](#)

Privacy impact assessment -- Methodology

[ISO/IEC CD 29146](#)

Information technology - Security techniques - A framework for access management

[ISO/IEC WD 29151](#)

Code of practice for PII protection

[ISO/IEC 29190](#)

Information technology -- Security techniques -- Privacy capability assessment model

[ISO/IEC CD 29192-5](#)

Information technology -- Security techniques -- Lightweight cryptography -- Part 5: Hash-functions

[ISO/IEC PRF TS 30104](#)

Information Technology -- Security Techniques -- Physical Security Attacks, Mitigation Techniques and Security Requirements

ANNEX IV

STANDARDS AND PROJECTS UNDER THE DIRECT RESPONSIBILITY OF ISO/IEC JTC 1/SC 37 SECRETARIAT

ISO STANDARDS PUBLISHED

[ISO/IEC 2382-37:2012](#)

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[ISO/IEC 19784-1:2006](#)

Information technology -- Biometric application programming interface -- Part 1: BioAPI specification

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Information technology -- Biometric application programming interface -- Part 2: Biometric archive function provider interface

[ISO/IEC 19784-2:2007/Cor 1:2011](#)

[ISO/IEC 19784-2:2007/Cor 2:2013](#)

[ISO/IEC 19784-4:2011](#)

Information technology -- Biometric application programming interface -- Part 4: Biometric sensor function provider interface

[ISO/IEC 19784-4:2011/Cor 1:2013](#)

[ISO/IEC 19785-1:2015](#)

Information technology -- Common Biometric Exchange Formats Framework -- Part 1: Data element specification

[ISO/IEC 19785-2:2006](#)

Information technology -- Common Biometric Exchange Formats Framework -- Part 2: Procedures for the operation of the Biometric Registration Authority

[ISO/IEC 19785-3:2015](#)

Information technology -- Common Biometric Exchange Formats Framework -- Part 3: Patron format specifications

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Information technology -- Common Biometric Exchange Formats Framework -- Part 4: Security block format specifications

[ISO/IEC 19785-4:2010/Cor 1:2013](#)

[ISO/IEC 19794-1:2011](#)

Information technology -- Biometric data interchange formats -- Part 1: Framework

[ISO/IEC 19794-2:2011](#)

Information technology -- Biometric data interchange formats -- Part 2: Finger minutiae data

[ISO/IEC 19794-2:2005](#)

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[ISO/IEC 19794-4:2005](#)

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[ISO/IEC 19794-5:2005](#)

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[ISO/IEC 19794-6:2011](#)

Information technology -- Biometric data interchange formats -- Part 6: Iris image data

[ISO/IEC 19794-7:2014](#)

Information technology -- Biometric data interchange formats -- Part 7: Signature/sign time series data

[ISO/IEC 19794-7:2007](#)

Information technology -- Biometric data interchange formats -- Part 7: Signature/sign time series data

[ISO/IEC 19794-8:2006](#)

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[ISO/IEC 19794-8:2011](#)

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[ISO/IEC 19794-11:2013](#)

Information technology -- Biometric data interchange formats -- Part 11: Signature/sign processed dynamic data

[ISO/IEC 19794-14:2013](#)

Information technology -- Biometric data interchange formats -- Part 14: DNA data

[ISO/IEC 19795-1:2006](#)

Information technology -- Biometric performance testing and reporting -- Part 1: Principles and framework

[ISO/IEC 19795-2:2007](#)

Information technology -- Biometric performance testing and reporting -- Part 2: Testing methodologies for technology and scenario evaluation

[ISO/IEC TR 19795-3:2007](#)

Information technology -- Biometric performance testing and reporting -- Part 3: Modality-specific testing

[ISO/IEC 19795-4:2008](#)

Information technology -- Biometric performance testing and reporting -- Part 4: Interoperability performance testing

[ISO/IEC 19795-5:2011](#)

Information technology -- Biometric performance testing and reporting -- Part 5: Access control scenario and grading scheme

[ISO/IEC 19795-6:2012](#)

Information technology -- Biometric performance testing and reporting -- Part 6: Testing methodologies for operational evaluation

[ISO/IEC 19795-7:2011](#)

Information technology -- Biometric performance testing and reporting -- Part 7: Testing of on-card biometric comparison algorithms

[ISO/IEC TS 20027:2015](#)

Biometrics interoperability profiles -- Best practices for slap tenprint captures

[ISO/IEC 24708:2008](#)

Information technology -- Biometrics -- BioAPI Interworking Protocol

[ISO/IEC 24709-1:2007](#)

Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 1: Methods and procedures

[ISO/IEC 24709-2:2007](#)

Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 2: Test assertions for biometric service providers

[ISO/IEC 24709-3:2011](#)

Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 3: Test assertions for BioAPI frameworks

[ISO/IEC 24713-1:2008](#)

Information technology -- Biometric profiles for interoperability and data interchange -- Part 1: Overview of biometric systems and biometric profiles

[ISO/IEC 24713-2:2008](#)

Information technology -- Biometric profiles for interoperability and data interchange -- Part 2: Physical access control for employees at airports

[ISO/IEC 24713-3:2009](#)

Information technology -- Biometric profiles for interoperability and data interchange -- Part 3: Biometrics-based verification and identification of seafarers

[ISO/IEC TR 24714-1:2008](#)

Information technology -- Biometrics -- Jurisdictional and societal considerations for commercial applications -- Part 1: General

guidance

[ISO/IEC TR 24722:2015](#)

Information technology -- Biometrics -- Multimodal and other multibiometric fusion

[ISO/IEC TR 24741:2007](#)

Information technology -- Biometrics tutorial

[ISO/IEC 24779-1:2016](#)

Information technology -- Cross-jurisdictional and societal aspects of implementation of biometric technologies -- Pictograms, icons and symbols for use with biometric systems -- Part 1: General principles

[ISO/IEC 24779-9:2015](#)

Information technology -- Cross-jurisdictional and societal aspects of implementation of biometric technologies -- Pictograms, icons and symbols for use with biometric systems -- Part 9: Vascular applications

[ISO/IEC 29109-1:2009](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 1: Generalized conformance testing methodology

[ISO/IEC 29109-1:2009/Cor 1:2010](#)

[ISO/IEC 29109-2:2010](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 2: Finger minutiae data

[ISO/IEC 29109-4:2010](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 4: Finger image data

[ISO/IEC 29109-4:2010/Cor 1:2011](#)

[ISO/IEC 29109-5:2014](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 5: Face image data

[ISO/IEC 29109-6:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 6: Iris image data

[ISO/IEC 29109-7:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 7: Signature/sign time series data

[ISO/IEC 29109-8:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 8: Finger pattern skeletal data

[ISO/IEC 29109-9:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 9: Vascular image data

[ISO/IEC 29109-10:2010](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 – Part 10: Hand geometry silhouette data

[ISO/IEC 29120-1:2015](#)

Information technology -- Machine readable test data for biometric testing and reporting -- Part 1: Test reports

[ISO/IEC 29141:2009](#)

Information technology -- Biometrics -- Tenprint capture using biometric application programming interface (BioAPI)

[ISO/IEC TR 29144:2014](#)

Information technology -- Biometrics -- The use of biometric technology in commercial Identity Management applications and processes

[ISO/IEC TR 29156:2015](#)

Information technology -- Guidance for specifying performance requirements to meet security and usability needs in applications using biometrics

[ISO/IEC 29159-1:2010](#)

Information technology -- Biometric calibration, augmentation and fusion data -- Part 1: Fusion information format

[ISO/IEC 29164:2011](#)

Information technology -- Biometrics -- Embedded BioAPI

[ISO/IEC TR 29189:2015](#)

Information technology -- Biometrics -- Evaluation of examiner assisted biometric applications

[ISO/IEC TR 29194:2015](#)

Information Technology -- Biometrics -- Guide on designing accessible and inclusive biometric systems

[ISO/IEC TR 29195:2015](#)

Traveller processes for biometric recognition in automated border control systems

[ISO/IEC TR 29196:2015](#)

Guidance for biometric enrolment

[ISO/IEC 29197:2015](#)

Information technology -- Evaluation methodology for environmental influence in biometric system performance

[ISO/IEC TR 29198:2013](#)

Information technology -- Biometrics -- Characterization and measurement of difficulty for fingerprint databases for technology evaluation

[ISO/IEC 29794-1:2016](#)

Information technology -- Biometric sample quality -- Part 1: Framework

[ISO/IEC TR 29794-4:2010](#)

Information technology -- Biometric sample quality -- Part 4: Finger image data

[ISO/IEC TR 29794-5:2010](#)

Information technology -- Biometric sample quality -- Part 5: Face image data

[ISO/IEC 29794-6:2015](#)

Information technology -- Biometric sample quality -- Part 6: Iris image data

[ISO/IEC 30106-1:2016](#)

Information technology -- Object oriented BioAPI -- Part 1: Architecture

[ISO/IEC 30106-2:2016](#)

Information technology -- Object oriented BioAPI -- Part 2: Java implementation

[ISO/IEC 30106-3:2016](#)

Information technology -- Object oriented BioAPI -- Part 3: C# implementation

[ISO/IEC 30107-1:2016](#)

Information technology -- Biometric presentation attack detection -- Part 1: Framework

[ISO/IEC 30108-1:2015](#)

Information technology -- Biometric Identity Assurance Services -- Part 1: BIAS services

[ISO/IEC TR 30110:2015](#)

Information technology -- Cross jurisdictional and societal aspects of implementation of biometric technologies -- Biometrics and children

[ISO/IEC TR 30125:2016](#)

Information technology -- Biometrics used with mobile devices

[ISO/IEC 2382-37:2012](#)

Information technology -- Vocabulary -- Part 37: Biometrics

[ISO/IEC 19784-1:2006](#)

Information technology -- Biometric application programming interface -- Part 1: BioAPI specification

[ISO/IEC 19784-2:2007](#)

Information technology -- Biometric application programming interface -- Part 2: Biometric archive function provider interface

[ISO/IEC 19784-4:2011](#)

Information technology -- Biometric application programming interface -- Part 4: Biometric sensor function provider interface

[ISO/IEC 19785-1:2015](#)

Information technology -- Common Biometric Exchange Formats Framework -- Part 1: Data element specification

[ISO/IEC 19785-2:2006](#)

Information technology -- Common Biometric Exchange Formats Framework -- Part 2: Procedures for the operation of the Biometric Registration Authority

[ISO/IEC 19785-3:2015](#)

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Information technology -- Common Biometric Exchange Formats Framework -- Part 4: Security block format specifications

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[ISO/IEC 19794-1:2006](#)

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Information technology -- Biometric data interchange formats -- Part 2: Finger minutiae data

[ISO/IEC 19794-2:2005](#)

Information technology -- Biometric data interchange formats -- Part 2: Finger minutiae data

[ISO/IEC 19794-3:2006](#)

Information technology -- Biometric data interchange formats -- Part 3: Finger pattern spectral data

[ISO/IEC 19794-4:2011](#)

Information technology -- Biometric data interchange formats -- Part 4: Finger image data

[ISO/IEC 19794-4:2005](#)

Information technology -- Biometric data interchange formats -- Part 4: Finger image data

[ISO/IEC 19794-5:2011](#)

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[ISO/IEC 19794-5:2005](#)

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[ISO/IEC 19794-6:2011](#)

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[ISO/IEC 19794-7:2007](#)

Information technology -- Biometric data interchange formats -- Part 7: Signature/sign time series data

[ISO/IEC 19794-8:2006](#)

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[ISO/IEC 19794-8:2011](#)

Information technology -- Biometric data interchange formats -- Part 8: Finger pattern skeletal data

[ISO/IEC 19794-9:2007](#)

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[ISO/IEC 19794-9:2011](#)

Information technology -- Biometric data interchange formats -- Part 9: Vascular image data

[ISO/IEC 19794-10:2007](#)

Information technology -- Biometric data interchange formats -- Part 10: Hand geometry silhouette data

[ISO/IEC 19794-11:2013](#)

Information technology -- Biometric data interchange formats -- Part 11: Signature/sign processed dynamic data

[ISO/IEC 19794-14:2013](#)

Information technology -- Biometric data interchange formats -- Part 14: DNA data

[ISO/IEC 19795-1:2006](#)

Information technology -- Biometric performance testing and reporting -- Part 1: Principles and framework

[ISO/IEC 19795-2:2007](#)

Information technology -- Biometric performance testing and reporting -- Part 2: Testing methodologies for technology and scenario evaluation

[ISO/IEC TR 19795-3:2007](#)

Information technology -- Biometric performance testing and reporting -- Part 3: Modality-specific testing

[ISO/IEC 19795-4:2008](#)

Information technology -- Biometric performance testing and reporting -- Part 4: Interoperability performance testing

[ISO/IEC 19795-5:2011](#)

Information technology -- Biometric performance testing and reporting -- Part 5: Access control scenario and grading scheme

[ISO/IEC 19795-6:2012](#)

Information technology -- Biometric performance testing and reporting -- Part 6: Testing methodologies for operational evaluation

[ISO/IEC 19795-7:2011](#)

Information technology -- Biometric performance testing and reporting -- Part 7: Testing of on-card biometric comparison algorithms

[ISO/IEC TS 20027:2015](#)

Biometrics interoperability profiles -- Best practices for slap tenprint captures

[ISO/IEC 24708:2008](#)

Information technology -- Biometrics -- BioAPI Interworking Protocol

[ISO/IEC 24709-1:2007](#)

Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 1: Methods and procedures

[ISO/IEC 24709-2:2007](#)

Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 2: Test assertions for biometric service providers

[ISO/IEC 24709-3:2011](#)

Information technology -- Conformance testing for the biometric application programming interface (BioAPI) -- Part 3: Test assertions for BioAPI frameworks

[ISO/IEC 24713-1:2008](#)

Information technology -- Biometric profiles for interoperability and data interchange -- Part 1: Overview of biometric systems and biometric profiles

[ISO/IEC 24713-2:2008](#)

Information technology -- Biometric profiles for interoperability and data interchange -- Part 2: Physical access control for employees at airports

[ISO/IEC 24713-3:2009](#)

Information technology -- Biometric profiles for interoperability and data interchange -- Part 3: Biometrics-based verification and identification of seafarers

[ISO/IEC TR 24714-1:2008](#)

Information technology -- Biometrics -- Jurisdictional and societal considerations for commercial applications -- Part 1: General guidance

[ISO/IEC TR 24722:2015](#)

Information technology -- Biometrics -- Multimodal and other multibiometric fusion

[ISO/IEC TR 24741:2007](#)

Information technology -- Biometrics tutorial

[ISO/IEC 24779-1:2016](#)

Information technology -- Cross-jurisdictional and societal aspects of implementation of biometric technologies -- Pictograms, icons and symbols for use with biometric systems -- Part 1: General principles

[ISO/IEC 24779-9:2015](#)

Information technology -- Cross-jurisdictional and societal aspects of implementation of biometric technologies -- Pictograms, icons and symbols for use with biometric systems -- Part 9: Vascular applications

[ISO/IEC 29109-1:2009](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 1: Generalized conformance testing methodology

[ISO/IEC 29109-1:2009/Cor 1:2010](#)

[ISO/IEC 29109-2:2010](#)

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[ISO/IEC 29109-4:2010](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 4: Finger image data

[ISO/IEC 29109-4:2010/Cor 1:2011](#)

[ISO/IEC 29109-5:2014](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 5: Face image data

[ISO/IEC 29109-6:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 6: Iris image data

[ISO/IEC 29109-7:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 7: Signature/sign time series data

[ISO/IEC 29109-8:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 8: Finger pattern skeletal data

[ISO/IEC 29109-9:2011](#)

Information technology -- Conformance testing methodology for biometric data interchange formats defined in ISO/IEC 19794 -- Part 9: Vascular image data

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[ISO/IEC 29120-1:2015](#)

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[ISO/IEC 29141:2009](#)

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[ISO/IEC TR 29144:2014](#)

Information technology -- Biometrics -- The use of biometric technology in commercial Identity Management applications and processes

[ISO/IEC TR 29156:2015](#)

Information technology -- Guidance for specifying performance requirements to meet security and usability needs in applications using biometrics

[ISO/IEC 29159-1:2010](#)

Information technology -- Biometric calibration, augmentation and fusion data -- Part 1: Fusion information format

[ISO/IEC 29164:2011](#)

Information technology -- Biometrics -- Embedded BioAPI

[ISO/IEC TR 29189:2015](#)

Information technology -- Biometrics -- Evaluation of examiner assisted biometric applications

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[ISO/IEC CD 24779-5](#)

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[ISO/IEC NP 30137-3](#)

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[ISO/IEC NP 19785-3](#)

Information technology -- Common Biometric Exchange Formats Framework -- Part 3: Patron format specifications

[ISO/IEC CD 19794-13](#)

Information technology -- Biometric data interchange formats -- Part 13: Voice data

[ISO/IEC DIS 19794-15](#)

Information technology -- Biometric data interchange format -- Part 15: Palm crease image data

[ISO/IEC AWI 20027](#)

Biometrics interoperability profiles -- Best practices for slap tenprint captures

[ISO/IEC AWI TR 20322](#)

Information technology - Cross jurisdictional and societal aspects of implementation of biometric technologies - Biometrics and elderly

[ISO/IEC DIS 24709-1](#)

Information technology -- Conformance testing for BioAPI -- Part 1: Methods and procedures

[ISO/IEC PDTR 24741](#)

Information technology -- Biometrics tutorial

[ISO/IEC FDIS 24779-4](#)

Information technology -- Cross-jurisdictional and societal aspects of implementation of biometric technologies -- Pictograms, Icons and Applications

[ISO/IEC CD 24779-5](#)

Information technology -- Cross-jurisdictional and societal aspects of implementation of biometric technologies -- Pictograms, icons and Applications

[ISO/IEC DIS 29794-4](#)

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[ISO/IEC DIS 30107-2](#)

Information Technology -- Biometric presentation attack detection -- Part 2: Data formats

[ISO/IEC DIS 30107-3](#)

Information technology -- Biometric presentation attack detection -- Part 3: Testing and reporting

[ISO/IEC DIS 30124](#)

Code of practice for the implementation of a biometric system

[ISO/IEC CD 30136](#)

Information technology -- Performance testing of template protection schemes

[ISO/IEC CD 30137-1](#)

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[ISO/IEC NP 30137-2](#)

Use of biometrics in video surveillance systems -- Part 2: Performance testing and reporting

[ISO/IEC NP 30137-3](#)

Use of biometrics in video surveillance systems -- Part 3: Data formats

[ISO/IEC FDIS 2382-37](#)

Information technology -- Vocabulary -- Part 37: Biometrics

[ISO/IEC CD 19784-1](#)

Information technology -- Biometric application programming interface -- Part 1: BioAPI specification