



BUREAU OF INDIAN STANDARDS

12th meeting of Identification & Data capture techniques, Cards and Security Devices Sectional committee, LITD 16

(e-Meeting, through webex)

Time	12 Apr 2021; Time: 1100 – 1230h
Meeting link	https://bisindia.webex.com/bisindia/j.php?MTID=m38313da82d33013bc15d68cd2e419bbc
Meeting ID	184 691 4232
Password	8yBuT4mpPP9

Chairman: Dr. Mahesh Chandra

Member Secretary: Mr. Manikandan K

MINUTES

Attendance: Annex 1

ITEM 1 WELCOME

1.1 Member secretary welcomed the participants to the 12th meeting of the committee. The meeting commenced with a short round of self-introduction by the participants.

ITEM 2 FORMAL CONFIRMATION OF THE MINUTES OF THE LAST MEETING

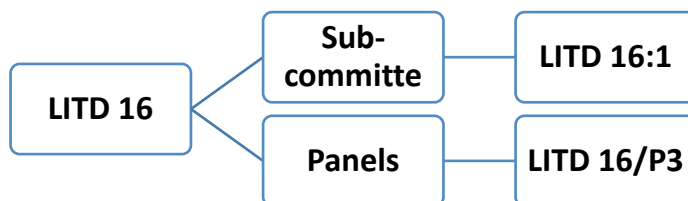
2.1 The committee formally approved the minutes of the 11th meeting held on 15 May 2020.

ITEM 3 RESTRUCTURING OF LITD 16

3.1 The committee noted the information regarding the restructuring of LITD 16 as given in Item 3 of the agenda. The committee noted the new Title, revised Scope, composition, and structure of LITD 16.

3.2 The committee recommended the secretariat reach out to NIC and STQC for getting status update on the implementation aspects of SCOSTA standards.

3.3 The present structure of LITD 16 is as given below:



Sub-committee

- LITD 16:1 Identification Cards

Panel

- LITD 16/P3 NCMC Ecosystem

ITEM 4 DRAFT INDIAN STANDARDS FOR FINALIZATION

4.1 The committee noted the information regarding the finalization of the 11 standards as given in Item 4.1 of the agenda.

4.2 IS 14172: 1994 Identification Cards Physical Characteristics

The committee noted the information regarding revision of IS 14172:1994 to adopt ISO/IEC 7810:2003 + Amd 1 (2009) + Amd2 (2012). It was informed by the member secretary that based on the decision taken in the earlier meetings, the process for revision of IS 14172 was initiated and the document LITD 16 (11137) was sent for printing after completing the Wide circulation. However, the document got lost during the up-gradation of the BIS portal and it is presently not traceable.

It was also informed by the member secretary that at the international level, the standard ISO/IEC 7810 was revised again in 2020.

Decision:

The committee decided to examine ISO/IEC 7810:2020 thoroughly and to ensure its suitability for adoption as Indian Standard.

The committee assigned the task of examining the standard to Mr Manikandan, BIS and Mr Adarsh, CDAC.

Based on the recommendation from Mr Adarsh, and Manikandan, the committee chair can take further decision on behalf of the committee to either

- a) adopt the revised standard (ISO/IEC 7810:2020) and to drop the project LITD 16 (11137)
- or
- b) to reaffirm the original Standard IS 14172:1994.

ITEM 5 DRAF INDIAN STANDARDS COMPLETED P-DRAFT

5.1 The committee noted the information regarding p-drafts as given in Item 5.1 (Annex 3) of the agenda. It was informed by the member secretary that some of these standards (ISO/IEC 18000 series) mention about the patents in the Standard hence there should be thorough review before the documents are moved to the wide circulation stage.

The committee assigned the task of reviewing the ISO/IEC 18000 series Standards to the following experts. They shall review the Standards from the perspective of the patents involved in it and recommend the committee about the suitability of adopting these Standards in an Indian context:

- 5.1.1 Team to review ISO/IEC 18000 series Standards
 - a) Mr Achin jain, NXP

- b) Mr Madhusudan Sampath, Infineon
- c) Mr Nitin Agarwal, eSmart

The committee also requested the above team to review ISO/IEC 15963-1:2020 and ISO/IEC 15963-2:2020 for its suitability of adoption as Indian Standards.

Decision:

- 5.1.2 The decision on the documents completed p-draft stages (listed in Annex 3 of the agenda) is given in **Annex 2**.

ITEM 6 ACTIVITIES OF THE SUBCOMMITTEES/PANELS UNDER LITD 16

6.1 Sub Committee LITD 16: 1 ‘Cards and personal Identification’

The committee noted the information regarding activities of Sub Committee LITD 16: 1 ‘Cards and personal Identification’ as given in Annex 4 and 5 of the agenda.

6.2 LITD 16/P 3- National Common mobility card Ecosystem

- 6.2.1 The committee noted the information regarding LITD 16/P 3- National Common mobility card Ecosystem as given in Item 6.2 of the agenda.

The following was informed by the member secretary:

- a. MoHUA has already instructed the stakeholders to adopt the four interface specifications (those were finalized by CDAC) for implementation.
- b. Based on the recommendation from the committee, BIS requested MoHUA to share three card specifications developed by NPCI. However, MoHUA has not shared three card specifications yet.

Decision:

- 6.2.2 The committee decided the following:
 - a. BIS to Reach-out to D Tara, JS, MoHUA for getting all the documents and support required from MoHUA.
 - b. Panel 3 to meet and discuss this issue separately and come up give some directions for taking forward the Standardization of NCMC Ecosystem.

ITEM 7 REVIEW OF PUBLISHED STANDARDS

7.1 Programme of work

The committee noted the present position of work of LITD 16 as given in Annex 6 of the agenda.

7.2 Review of Indian Standards

- 7.2.1 The member secretary informed the committee about the recent initiative of BIS for doing a detailed exercise of examination and review of the published Standards before deciding on review/withdrawal of those Standards. He also presented the detailed review proforma to the committee.
- 7.2.2 The committee reviewed the programme of work of the committee and identified the Standards listed in **Annex 3** for detailed review. The committee also identified the experts

to review each of the Standards as indicated in the table.

Decision:

7.2.3 The following was decided:

- a. The experts identified as per the table in **Annex 3** shall do an extensive review of the standard as per the detailed proforma and submit their recommendation on or before 25 May 2021.
- b. BIS to provide the experts all the required resources (standards, other material, logistics required etc.) for carrying out the review exercise.
- c. For the time being, the aforementioned standards will stand as reaffirmed from July 2021 to July 2024.

ITEM 8 INTERNATIONAL ACTIVITIES

8.1 The committee noted the information regarding the participation of India in the following ISO/IEC committees:

- a. [ISO/IEC/JTC 1 SC 17 Cards and personal identification](#)
- b. [ISO/IEC JTC 1/SC 31 Automatic identification and data capture techniques](#)

8.2 Nomination of experts in the working groups of ISO/IEC/JTC 1 SC 17 and ISO/IEC/JTC 1 SC 31

Decision:

8.2.1 The committee decided to nominate experts in the working groups as follows:

- a. Experts nominated in the working groups of ISO/IEC/JTC 1 SC 17

Group	Title	Experts to be nominated
WG 3	Identification cards - Machine readable travel documents	1. Mr Manish kumar Verma, CDAC 2. Mr Nitin Agarwal, e-smart 3. R K Mishra , NIC (reach-out to them)
WG 8	Integrated circuit cards without contacts	1. Mr Nitin Agarwal, e-smart
WG 10	Motor vehicle driver licence and related documents	1. Mr Nitin Agarwal, e-smart 2. Ms Savita Kashyap, CDAC 3. Mr. Rajdeep Choudhury, NIC

- b. Ms Savita Kashyap, CDAC to identify experts to be nominated in the working groups of ISO/IEC/JTC 1 SC 31.

8.3 Adoption of ISO/IEC Standards

Decision:

- a. The committee reviewed the list of Standards published by ISO/IEC/JTC 1 SC 17 and decided to adopt the Standards given in **Annex 4** as Indian Standards.
- b. BIS to initiate the adoption process as per the BIS procedure.

- c. It was decided that members can review the list of Standards published by ISO/IEC/JTC 1 SC 31 and send their recommendation regarding adoption of those Standards to BIS later.

ITEM 9 COMPOSITION OF SECTIONAL COMMITTEE

9.1 Committee composition.

As the scope of the committee has been changed after the restructuring as mentioned in Item 3, the standardization of office equipment, computer peripheral, and storage devices are not part of the present committee. Hence the committee decided to follow up with the following members to ensure their interest in contributing to the committee:

- a. HP India Sales Private Limited
- b. Intel South Asia
- c. Moser Baer India Limited
- d. UL India Private Limited

9.2 Co-option requests received

Decision:

- 9.2.1 The committee approved the co-option request from Mr Ganesh Dange, RENSAR Electric Pvt. Ltd. and co-opted RENSAR Electric Pvt. Ltd. (represented by Mr Dange) in the committee.

ITEM 10 DATE AND PLACE FOR THE NEXT MEETING

1st week of Aug 2021

ITEM 11 ANY OTHER BUSINESS



Annex 1 Attendance

#	Name	Organization	Email
1	Dr Mahesh Chandra	Chairman	mchandranic@gmail.com
2	N Kishor Narang	Narnix	kishor@narnix.com
3	Dr. Jyotsna Kumar Mandal	IETE	jkm.cse@gmail.com
4	Pro WgCd P Prabhakar (Retd)	IETE	pprabs06@yahoo.co.in
5	Ajesh Kapoor	NXP Semiconductors	ajesh.kapoor@nxp.com
6	Savita Kashyap	CDAC	savitakashyap@cdac.in
7	Manish kumar Verma	CDAC	manishverma@cdac.in
8	Madhusudhanan Sampath	Infineon	Madhusudhanan.Sampath@infineon.com
9	Amitabh Khanna	Mastercard	amitabh.khanna@mastercard.com
10	George Paul	MAIT	georgepaul.ed@gmail.com
11	Gurumoorthy Hariharan	VISA	gharihar@visa.com
12	Manoj Sugathan	VISA	msugatha@visa.com
13	Himani Narula	American Express	himani.badola@aexp.com
14	Rajat Moona	IIT Bhilai	director@iitbhilai.ac.in
15	Supriya	Mastercard	supriya.kumthekar@mastercard.com
16	Anurag Ashok	E-Smartsystems	anurag.ashok@e-smartsystems.com
17	Adarsh Pillai	CDAC	adarshpillai@cdac.in
18	Ashish Khanna	CANON	ashish.khanna@canon.co.in
19	Mr Manikandan K	BIS (Member secretary)	maniyan@bis.gov.in
20	Call-in User_2		

Annex 2 Decision on the documents completed p-draft stages

(Item 5.1.2)

#	Doc No and Title	Decision
1	LITD 16 (16493)/ ISO/IEC 7816-15:2016) Identification cards Integrated circuit cards Part 15: Cryptographic information application	Approved this document for wide circulation for 60 days.
2	LITD/16/16494/ ISO/IEC 10373-1:2020 Cards and security devices for personal identification Test methods Part 1: General characteristics	Approved this document for wide circulation for 60 days. This will be revision of the existing Standard ISO/IEC 10373-1:2006 that was published in Feb 2021.
3	LITD 16 (16495) /ISO/IEC 10373-2:2015 Identification cards — Test methods — Part 2: Cards with magnetic stripes	Drop the project as the standard ISO/IEC 10373-2:2015 was already adopted and published in Feb 2021 as IS/ISO/IEC 10373-2:2015.
4	LITD/16/16496/ ISO/IEC 10373-3:2018 Identification cards — Test methods — Part 3: Integrated circuit cards with contacts and related interface devices	Approved this document for wide circulation for 60 days. This will be revision of the existing Standard ISO/IEC 10373-3:2010 that was published in Feb 2021.
5	LITD 16 (16498)/ISO/IEC 18745-1:2018) Test methods for machine readable travel documents MRTD and associated devices Part 1: Physical test methods for passport books durability	Approved these documents for wide circulation for 60 days.
6	LITD 16 (16499)/ ISO/IEC 18745-2:2016) Information technology Test methods for machine readable travel documents MRTD and associated devices Part 2: Test methods for the contactless interface	
7	LITD 16 (16518)/IS 16995 (Part 1) SCOSTA: Smart Card Operating System Template Architecture Part 1 Basic Command Set (First revision)	
8	LITD 16 (16656)/ ISO/IEC 15963-1:2020) Information technology Radio frequency identification for item management Part 1: Unique identification for RF tags numbering systems	The team comprises <ul style="list-style-type: none"> • Mr Achin jain, NXP; • Mr Madhusudan Sampath, Infineon • Mr Nitin Agarwal, eSmart
9	LITD 16 (16658)/ ISO/IEC 15963-2:2020) Information technology Radio frequency identification for item management Part 2: Unique identification for RF tags registration procedures	to review these Standards for its suitability of adoption as Indian Standards and to submit their recommendation on or before 25 May 2021.
10	LITD 16 (16657)/ ISO/IEC 18000-2)	

	Information technology Radio frequency identification for item management Part 2: Parameters for air interface communications below 135 kHz	<p>The team comprises</p> <ul style="list-style-type: none"> • Mr Achin jain, NXP; • Mr Madhusudan Sampath, Infineon • Mr Nitin Agarwal, eSmart <p>to review these Standards from the perspective of the patents involved in it and recommend the committee about the suitability of adopting these Standards as Indian Standards and to submit its recommendation on or before 25 May 2021.</p>
11	LITD 16 (16659)/ ISO/IEC 18000-3:2010) Information technology Radio frequency identification for item management Part 3: Parameters for air interface communications at 1356 MHz	
12	LITD 16 (16660)/ ISO/IEC 18000-4:2018) Information technology Radio frequency identification for item management Part 4: Parameters for air interface communications at 245 GHz	
13	LITD 16 (16661)/ ISO/IEC 18000-6:2013) Information technology Radio frequency identification for item management Part 6: Parameters for air interface communications at 860 MHz to 960 MHz General	
14	LITD 16 (16662)/ ISO/IEC 18000-7:2014) Information technology Radio frequency identification for item management Part 7: Parameters for active air interface communications at 433 MHz	
15	LITD/16/16718/ ISO/IEC 18000-61:201 Information technology Radio frequency identification for item management Part 61: Parameters for air interface communications at 860MHz to 960MHz Type A	
16	LITD/16/16719/ ISO/IEC 18000-62:201 Information technology Radio frequency identification for item management Part 62: Parameters for air interface communications at 860MHz to 960 MHz Type B	
17	LITD/16/16720/ ISO/IEC 18000-63:201 Information technology Radio frequency identification for item management Part 63: Parameters for air interface communications at 860MHz to 960 MHz Type C	
18	LITD/16/16721/ ISO/IEC 18000-64:201 Information technology Radio frequency identification for item management Part 64: Parameters for air interface communications at 860MHz to 960 MHz Type D	

Annex 3 Standards identified for detailed review

(Item 7.2.2)

#	Standard	Experts responsible for review of the Standard
1.	IS/ISO/IEC 10373 (Part 5):2014 Identification Cards - Test Methods Part 5 Optical Memory Cards	Prof. Rajat Moona, IIT Bhilai
2.	IS/ISO/IEC 10373 (Part 6):2016 Identification Cards - Test Methods Part 6 Proximity Cards	Prof. Rajat Moona, IIT Bhilai
3.	IS/ISO/IEC 10536 (Part 1):2000 Identification Cards Contactless Integrated Circuits Cards Close-Coupled Cards Part 1 Physical Characteristics	a. Mr Ajesh Kapoor, NXP Semiconductors
4.	IS/ISO/IEC 10536 (Part 2):1995 Identification Cards - Contactless Integrated Circuits Cards Part 2 Dimensions and Location of Coupling Areas	b. Mr Madhusudan Sampath, Infineon
5.	IS/ISO/IEC 10536 (Part 3):1996 Identification Cards - Contactless Integrated Circuits Cards Part 3 Electronic Signals and Reset Procedures	c. Prof. Rajat Moona, IIT Bhilai
6.	IS 14173 (Part 1):2012 /ISO/IEC 7812-1:2015 Identification cards - Identification of issuers Part 1 numbering system Second Revision	Mr Manikandan K, BIS
7.	IS 14173 (Part 2):2012 /ISO/IEC 7812-2:2015 Identification cards - Identification of issuers Part 2 application and registration procedures Second Revision	
8.	IS 15414:2018 /ISO/IEC 4909:2006 Identification cards - Financial transaction cards - Magnetic stripe data content for track 3 First Revision	Mr Anurag Ashok, e-Smart

Annex 4 Standards to be adopted as Indian Standards

(Item 8.3)

#	IS No	Title
1	ISO/IEC 7501-1:2008	Identification cards — Machine readable travel documents — Part 1: Machine readable passport
2	ISO/IEC 7501-2:1997	Identification cards — Machine readable travel documents — Part 2: Machine readable visa
3	ISO/IEC 7501-3:2005	Identification cards — Machine readable travel documents — Part 3: Machine readable official travel documents
4	ISO/IEC 7816-12:2005/Cor 1:2014	Identification cards - Integrated circuit cards — Part 12: Cards with contacts — USB electrical interface and operating procedures — Technical Corrigendum 1
5	ISO/IEC 14443-1:2018	Cards and security devices for personal identification — Contactless proximity objects — Part 1: Physical characteristics
6	ISO/IEC 14443-2:2020	Cards and security devices for personal identification — Contactless proximity objects — Part 2: Radio frequency power and signal interface
7	ISO/IEC 14443-3:2018 + Amd 2:2020	Cards and security devices for personal identification — Contactless proximity objects — Part 3: Initialization and anticollision
8	ISO/IEC 14443-4:2018	Cards and security devices for personal identification — Contactless proximity objects — Part 4: Transmission protocol
9	ISO/IEC 15693-1:2018	Cards and security devices for personal identification — Contactless vicinity objects — Part 1: Physical characteristics
10	ISO/IEC 15693-2:2019	Cards and security devices for personal identification — Contactless vicinity objects — Part 2: Air interface and initialization
11	ISO/IEC 15693-3:2019	Cards and security devices for personal identification — Contactless vicinity objects — Part 3: Anticollision and transmission protocol
12	ISO/IEC 18013-1:2018	Information technology — Personal identification — ISO-compliant driving licence — Part 1: Physical characteristics and basic data set
13	ISO/IEC 18013-2:2020	Personal identification — ISO-compliant driving licence — Part 2: Machine-readable technologies
14	ISO/IEC 18013-3:2017	Information technology — Personal identification — ISO-compliant driving licence — Part 3: Access control, authentication and integrity validation
15	ISO/IEC 18013-4:2019	Personal identification — ISO-compliant driving licence — Part 4: Test methods
16	ISO/IEC TR 18268:2013	Identification cards — Contactless integrated circuit cards — Proximity cards — Multiple PICCs in a single PCD field