

# BUREAU OF INDIAN STANDARDS

## Program of Work

### LITD 33 : Wearable electronic devices and technologies

**Scope:** Standardization in the field of wearable electronic devices and technologies which include patchable materials and devices, implantable materials and devices, ingestible materials and devices, and electronic textile materials and devices

**Liaison:** **IEC TC-IEC TC 124 (P):** *Wearable electronic devices and technologies* **IEC TC-IEC TC (P):** *Printed Electronics*

## Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/IEC 63203-101-1) : 2021 IEC 63203-101-1:2021 IEC 63203-101-1:2021	Wearable Electronic Devices and Technologies Part 101: Section1: Terminology		-	Identical under single numbering
2	IS/IEC 63203-201-3) : 2021 IEC 63203-201-3: 2021 IEC 63203-201-3: 2021	Wearable electronic devices and technologies Part 201 Electronic textile Section 3:Determination of electrical resistance of conductive textiles under simulated microclimate		-	Identical under single numbering
3	IS/IEC 63203-204-1) : 2023 IEC 63203-204-1: 2023 IEC 63203-204-1: 2023	Wearable electronic devices and technologies Part 204 Electronic textile Section 1: Test method for assessing washing durability of E-textile products		-	Identical under single numbering
4	IS/IEC/TR 63203-250-1) : 2021 IEC TR 63203-250-1:2021 IEC TR 63203-250-1:2021	Wearable electronic devices and technologies Part 250 Electronic textile Section 1: Snap fastener connectors between e-textiles and detachable electronic devices		-	Identical under single numbering
5	IS/IEC 63203-401-1) : 2023 IEC 63203-401-1:2023 IEC 63203-401-1:2023	Wearable electronic devices and technologies Part 401: Devices and systems: functional elements Section 1: Evaluation method of the stretchable resistive strain sensor		-	Identical under single numbering
6	IS/IEC 63203-406-1) : 2021 IEC 63203-406-1:2021 IEC	Wearable electronic devices and technologies Part 406: Test method for measuring surface temperature of wrist- Section 1: worn wearable electronic devices while in contact		-	Identical under single numbering

	63203-406-1:2021	with human skin			
7	IS/IEC 63203-801-1) : 2022 IEC 63203-801-1:2022 IEC 63203-801-1:2022	Wearable electronic devices and technologies Part 801: Smart body area network SmartBAN Section 1: Enhanced ultra-low power physical layer		-	Identical under single numbering
8	IS/IEC 63203-801-2) : 2022 IEC 63203-801-2:2022 IEC 63203-801-2:2022	Wearable electronic devices and technologies Part 801: Smart body area network SmartBAN Section 2: Low complexity medium access control MAC for SmartBAN		-	Identical under single numbering

### Standards under Development

#### Projects Approved

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Drafts Standards in WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
<i>No Records Found</i>		

#### Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	LITD 33 (24125)	Wearable Electronic Devices and Technologies Part 201 Electronic Textile Section 1 Measurement Methods for Basic Properties of Conductive Yarns
2	LITD 33 (24126)	Wearable electronic devices and technologies Part 201-2 Electronic textile Section 2 Measurement methods for basic properties of conductive fabrics and insulation materials

#### Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	LITD 33 (24135)	Wearable electronic devices and technologies Part 402 Performance measurement of fitness wearables Section 1 Test methods of glove-type motion sensors for measuring finger movements

**Total Published Standards:0 Total Standards Under development:3**

### Aspect Wise Report

Product : 0  
Code of Practices : 0  
Methods of Test : 0

Terminology : 0  
Dimensions : 0  
System Standard : 0  
Safety Standard : 0  
Others : 8  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

<b>Annexure-I :List of Indian Standards Withdrawn/Superseded</b>
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SI. No.	IS No. & Year	Title
<i>No Records Found</i>		

<b>Annexure-II :List of Indian Product Standards</b>
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SI. No.	IS No. & Year	Title
<i>No Records Found</i>		