

BUREAU OF INDIAN STANDARDS

Program of Work

LITD 27 : Internet of Things and & Digital Twin

Scope: To develop standards in the field of Internet of Things and Digital Twin related technologies including sensor networks.

Liaison: **ISO/IEC/JTC1 TC- SC-41 (O): ISO/IEC JTC 1/SC 41 ISO/IEC/JTC1 TC- SC-41 (P): Internet of Things and Digital Twin ISO/IEC/JTC1 TC- SC-41 (P): Foundational IoT Standards ISO/IEC/JTC1 TC- SC-41 (P): IoT Interoperability ISO/IEC/JTC1 TC- SC-41 (P): IoT Applications ISO/IEC/JTC1 TC- SC-41 (P): Digital Twins ISO/IEC/JTC1 TC- SC-41 (P): Maritime, underwater IoT and Digital Twin applications ISO/IEC/JTC1 TC- SC-41 (P): Maritime and Underwater IoT Effects on Environment and Ecology linked to ISO/TC 43/SC 3**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO/IEC 21823-1 : 2019 ISO/IEC 21823-1:2019 ISO/IEC 21823-1:2019	Internet of Things IoT - Interoperability for IoT systems - Part 1: Framework		-	Identical under single numbering
2	IS/ISO/IEC 21823-2 : 2020 ISO/IEC 21823-2:2020 ISO/IEC 21823-2:2020	Internet of Things IoT - Interoperability for IoT systems - Part 2: Transport interoperability		-	Identical under single numbering
3	IS/ISO/IEC 21823-3 : 2021 ISO/IEC 21823-3:2021 ISO/IEC 21823-3:2021	Internet of Things IoT - Interoperability for IoT systems - Part 3: Semantic interoperability		-	Identical under single numbering
4	IS/ISO/IEC 21823-4 : 2022 ISO/IEC 21823-4:2022 ISO/IEC 21823-4:2022	Internet of Things IoT - Interoperability for IoT systems - Part 4: Syntactic interoperability		-	Identical under single numbering
5	IS/ISO/IEC/TR 22417 : 2017 IS/ISO/IEC TR 22417 : 2017 Reviewed In : 2022 ISO/IEC TR 22417:2017	Information Technology Internet of Things (IOT) IOT Use Cases	December, 2022	-	Identical under single numbering

6	IS/ISO/IEC 30118-1 : 2021 ISO/IEC 30118-1:2021 ISO/IEC 30118-1:2021	Information technology Open Connectivity Foundation OCF Specification Part 1: Core specification		-	Identical under single numbering
7	IS/ISO/IEC 30118-2 : 2021 ISO/IEC 30118-2:2021 ISO/IEC 30118-2:2021	Information technology Open Connectivity Foundation OCF Specification Part 2: Security specification		-	Identical under single numbering
8	IS/ISO/IEC 30118-3 : 2021 ISO/IEC 30118-3:2021 ISO/IEC 30118-3:2021	Information technology Open Connectivity Foundation OCF Specification Part 3: Bridging specification		-	Identical under single numbering
9	IS/ISO/IEC 30118-4 : 2021 ISO/IEC 30118-4:2021 ISO/IEC 30118-4:2021	Information technology Open Connectivity Foundation OCF Specification Part 4: Resource type specification		-	Identical under single numbering
10	IS/ISO/IEC 30118-5 : 2021 ISO/IEC 30118-5:2021 ISO/IEC 30118-5:2021	Information technology Open Connectivity Foundation OCF Specification Part 5: OCF device specification		-	Identical under single numbering
11	IS/ISO/IEC 30118-6 : 2021 ISO/IEC 30118-6:2021 ISO/IEC 30118-6:2021	Information technology Open Connectivity Foundation OCF Specification Part 6: Resource to AllJoyn interface mapping specification		-	Identical under single numbering
12	IS/ISO/IEC 30118-7 : 2021 ISO/IEC 30118-7:2021 ISO/IEC 30118-7:2021	Information technology Open Connectivity Foundation OCF Specification Part 7: Wi-Fi easy setup specification		-	Identical under single numbering
13	IS/ISO/IEC 30118-8 : 2021 ISO/IEC 30118-8:2021 ISO/IEC 30118-8:2021	Information technology Open Connectivity Foundation OCF Specification Part 8: OCF resource to oneM2M resource mapping specification		-	Identical under single numbering
14	IS/ISO/IEC 30118-9 : 2021 ISO/IEC 30118-9:2021 ISO/IEC 30118-9:2021	Information technology Open Connectivity Foundation OCF Specification Part 9: Core optional specification		-	Identical under single numbering
15	IS/ISO/IEC 30118-10 : 2021 ISO/IEC 30118-10:2021 ISO/IEC 30118-10:2021	Information technology Open Connectivity Foundation OCF Specification Part 10: Cloud API for cloud services specification		-	Identical under single numbering

	30118-10:2021				
16	IS/ISO/IEC 30118-11 : 2021 ISO/IEC 30118-11:2021 ISO/IEC 30118-11:2021	Information technology Open Connectivity Foundation OCF Specification Part 11: Device to cloud services specification		-	Identical under single numbering
17	IS/ISO/IEC 30118-12 : 2021 ISO/IEC 30118-12:2021 ISO/IEC 30118-12:2021	Information technology Open Connectivity Foundation OCF Specification Part 12: Cloud security specification		-	Identical under single numbering
18	IS/ISO/IEC 30118-13 : 2021 ISO/IEC 30118-13:2021 ISO/IEC 30118-13:2021	Information technology Open Connectivity Foundation OCF Specification Part 13: Onboarding tool specification		-	Identical under single numbering
19	IS/ISO/IEC 30118-14 : 2021 ISO/IEC 30118-14:2021 ISO/IEC 30118-14:2021	Information technology Open Connectivity Foundation OCF Specification Part 14: OCF resource to BLE mapping specification		-	Identical under single numbering
20	IS/ISO/IEC 30118-15 : 2021 ISO/IEC 30118-15:2021 ISO/IEC 30118-15:2021	Information technology Open Connectivity Foundation OCF Specification Part 15: OCF resource to EnOcean mapping specification		-	Identical under single numbering
21	IS/ISO/IEC 30118-16 : 2021 ISO/IEC 30118-16:2021 ISO/IEC 30118-16:2021	Information technology Open Connectivity Foundation OCF Specification Part 16: OCF resource to UPlus mapping specification		-	Identical under single numbering
22	IS/ISO/IEC 30118-17 : 2021 ISO/IEC 30118-17:2021 ISO/IEC 30118-17:2021	Information technology Open Connectivity Foundation OCF Specification Part 17: OCF resource to Zigbee cluster mapping specification		-	Identical under single numbering
23	IS/ISO/IEC 30118-18 : 2021 ISO/IEC 30118-18:2021 ISO/IEC 30118-18:2021	Information technology Open Connectivity Foundation OCF Specification Part 18: OCF resource to Z-wave mapping specification		-	Identical under single numbering

Standards under Development

Projects Approved

Sl. 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
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
<i>No Records Found</i>		

Total Published Standards:18 Total Standards Under development:0

Aspect Wise Report

- Product : 0
- Code of Practices : 5
- Methods of Test : 0
- Terminology : 0
- Dimensions : 0
- System Standard : 18
- Safety Standard : 0
- Others : 0
- Service Specification : 0
- Process Specification : 0
- Unclassified : 0

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

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