

BUREAU OF INDIAN STANDARDS

Program of Work

TED 33 : Freight Containers Sectional Committee

Scope: a) Standardization of Freight Containers including General and Specific Purpose Containers, Methods of Tests to be performed, Performance requirements, Identification, Marking and Communication requirements along with Safety and related Handling and Securing Equipment. b) Co-ordination of work with ISO/ TC 104 and its subcommittees ISO/TC 104/SC 1, ISO/TC 104/SC 2 and ISO/TC 104/SC 4.

Liaison: **ISO TC-104 (P): Freight containers ISO TC-104 SC-1 (P): General purpose containers ISO TC-104 SC-2 (P): Specific purpose containers ISO TC-104 SC-4 (P): Identification and communication**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS/ISO 10368:2006 ISO 10368:2006 ISO 10368:2006	Freight Thermal Containers Remote Condition Monitoring		-	Identical under dual numbering
2	IS 10880:2006 Reviewed In : 2022	Twistlocks for lifting freight containers - Specification (First Revision)	November, 2022	-	Indigenous
3	IS 11466 (Part 1):1985 Reviewed In : 2022	Guidelines for packing, stowage and securing of cargo inside the freight container: Part 1 general cargo	November, 2022	-	Indigenous
4	IS 11466 (Part 2):1985 Reviewed In : 2022	Guidelines for packing, stowage and securing of cargo inside the freight containers: Part 2 dangerous goods	November, 2022	-	Indigenous
5	IS 13112:1991 Reviewed In : 2022	Cargo securing systems for general purpose freight containers general requirements	November, 2022	-	Indigenous
6	IS 13288 (Part 1):2021 ISO 1496-1 : 2013 ISO 1496-1 : 2013	Series 1 Freight Containers - Specification and Testing Part 1 General Cargo Containers for General Purposes (First Revision)		-	Identical under dual numbering
7	IS 13288 (Part 2):2020 ISO 1496-2 : 2018 Reviewed In : 2025 ISO 1496-2 : 2018	Series 1 Freight Containers — Specification and Testing Part 2 Thermal Containers (Third Revision)	March, 2025	-	Identical under dual numbering
8	IS 13288 (Part 3):2024 ISO 1496-3 : 2019 ISO 1496-3 : 2019	Series 1 Freight Containers — Specification and Testing Part 3 Tank Containers for Liquids, Gases and Pressurized Dry Bulk (Second Revision)		-	Identical under dual numbering

9	IS 13288 (Part 4):1993 ISO 1496-4 Reviewed In : 2023 ISO 1496-4:1991	Series 1 freight containers - Specification and testing part 4 non-Pressurized containers for dry bulk	September, 2023	1	Identical under dual numbering
10	IS 13288 (Part 5):2020 ISO 1496-5 : 2018 Reviewed In : 2025 ISO 1496-5 : 2018	Series 1 Freight Containers — Specification and Testing Part 5 Platform and Platform-based Containers (Second Revision)	March, 2025	-	Identical under dual numbering
11	IS 13697:1993 ISO 9669 Reviewed In : 2023	Series 1 freight containers - Interface connections for tank containers	September, 2023	1	Indigenous
12	IS 13698 (Part 1):1993 ISO 9711-1 Reviewed In : 2023 ISO 9711-1:1990	Freight containers - Information related to containers on board vessels: Part 1 bay plan system	September, 2023	-	Identical under dual numbering
13	IS 13699:1993 ISO 10374 Reviewed In : 2023 ISO 10374:1991	Freight containers - Automatic identification	September, 2023	1	Identical under dual numbering
14	IS 13731:2003 ISO 9897 Reviewed In : 2023	Freight containers - Container equipment data exchange (Cedex) - General communication codes (First Revision)	September, 2023	-	Indigenous
15	IS/ISO/TR 15069:2018 ISO 15069 : 2018 ISO 15069 : 2018	Series 1 Freight Containers — Handling and Securing — Rationale for ISO 3874:2017 Annexes A To E		-	Identical under dual numbering
16	IS/ISO 15070:1996 ISO 15070 : 1996 ISO 15070 : 1996	Series 1 Freight Containers - Rationale for Structural Test Criteria		-	Identical under dual numbering
17	IS 15734:2007 Reviewed In : 2022	Freight containers - Repair before refurbishing - Guidelines	November, 2022	-	Indigenous
18	IS 15739:2007 Reviewed In : 2022	Freight containers - Refurbishing - Guidelines	November, 2022	-	Indigenous
19	IS 15926:2012 ISO 14829 : 2002 Reviewed In : 2022	Freight containers - Straddle carriers for freight container handling - Calculation of stability	November, 2022	-	Indigenous
20	IS 17381:2021 ISO 17712 : 2013 ISO 17712 : 2013	Freight containers Mechanical seals		-	Identical under dual numbering
21	IS/ISO 18185-1:2007 ISO 18185-1:2007 ISO 18185-1:2007	Freight containers Electronic seals Part 1: Communication protocol		-	Identical under dual numbering
22	IS/ISO 18185-2:2007 ISO 18185-2:2007 ISO 18185-2:2007	Freight containers Electronic seals Part 2: Application requirements		-	Identical under dual numbering
23	IS/ISO 18185-3:2015 ISO 18185-3:2015 ISO 18185-3:2015	Freight Containers Electronic Seals Part 3: Environmental Characteristics		-	Identical under dual numbering
24	IS/ISO 18185-4:2007 ISO 18185-4:2007 ISO 18185-4:2007	Freight containers Electronic seals Part 4: Data protection		-	Identical under dual numbering

25	IS/ISO 18185-5:2007 ISO 18185-5:2007 ISO 18185-5:2007	Freight containers Electronic seals Part 5: Physical layer		-	Identical under dual numbering
26	IS/ISO 18186:2011 ISO 18186:2011 ISO 18186:2011	Freight containers RFID cargo shipment tag system		-	Identical under dual numbering
27	IS/ISO 18625:2017 ISO/TS 18625:2017 ISO/TS 18625:2017	Freight containers Container Tracking and Monitoring Systems CTMS: Requirements		-	Identical under dual numbering
28	IS 19037:2023 ISO 16111:2018 ISO 16111:2018	TRANSPORTABLE GAS STORAGE DEVICES HYDROGEN ABSORBED IN REVERSIBLE METAL HYDRIDE		-	Identical under dual numbering
29	IS/ISO 20854:2019 ISO 20854 : 2019 ISO 20854 : 2019	Thermal Containers Safety Standard for Refrigerating Systems Using Flammable Refrigerants Requirements for Design and Operation		-	Identical under dual numbering
30	IS 6566:2020 ISO 668 : 2020 Reviewed In : 2025 ISO 668 : 2013	Series 1 Freight Containers — Classification, Dimensions and Ratings (Fourth Revision)	March, 2025	-	Identical under dual numbering
31	IS 6569:2004 ISO 830 Reviewed In : 2025 ISO 830:1999	Freight containers - Vocabulary (Third Revision)	March, 2025	-	Identical under dual numbering
32	IS 6928:2001 ISO 6346 Reviewed In : 2022 ISO 6346:1995	Freight containers - Coding, identification and marking (Third Revision)	March, 2022	-	Identical under dual numbering
33	IS 7622:2021 ISO 3874 : 2017 ISO 3874 : 2017	Series 1 Freight Containers - Handling and Securing (Third Revision)		-	Identical under dual numbering
34	IS 7694:2021 ISO 1161 : 2016 ISO 1161 : 2016	Series 1 freight containers Corner and intermediate fittings Specifications		-	Identical under dual numbering
35	IS 7917:1994 ISO 8323 Reviewed In : 2023 ISO 8323:1985	Freight containers - Air/surface (Intermodal) general purpose containers - specification and tests (First Revision)	September, 2023	-	Identical under dual numbering
36	IS 9881:2007 Reviewed In : 2022	Container spreaders - Specification (First Revision)	November, 2022	-	Indigenous

Standards under Development

Projects Approved

Sl. No.	Doc No.	Title
1	TED 33 (28681)	Short-range wireless sensor to device communication
2	TED 33 (28682)	Freight containers NFC orand QR code seals
3	TED 33 (28683)	Freight containers Radio frequency identification RFID Licence plate tag
4	TED 33 (28684)	Supply chain applications of RFID Freight containers

Preliminary Draft Standards

Sl. No.	Doc No.	Title
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No Records Found

Drafts Standards in WC Stage

Sl. No.	Doc No.	Title
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No Records Found

Draft Standards Completed WC Stage

Sl. No.	Doc No.	Title
1	TED 33 (27777)	FREIGHT CONTAINERS REPAIR BEFORE REFURBISHING GUIDELINES
2	TED 33 (27919)	Freight containers - Vocabulary

Finalized Draft Indian Standard

Sl. No.	Doc No.	Title
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No Records Found

Finalized Draft Indian Standards under Print

Sl. No.	Doc No.	Title
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No Records Found

Total Published Standards:35 Total Standards Under development:6

Aspect Wise Report

Product : 11
Code of Practices : 6
Methods of Test : 6
Terminology : 1
Dimensions : 3
System Standard : 6
Safety Standard : 3
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
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No Records Found

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10880:2006 Reviewed In : 2022	Twistlocks for lifting freight containers - Specification First Revision
2	IS 13112:1991 Reviewed In : 2022	Cargo securing systems for general purpose freight containers general requirements
3	IS 13288 (Part 1):2021 ISO 1496-1 : 2013 ISO 6558 (Pt-2):1992	Series 1 Freight Containers - Specification and Testing Part 1 General Cargo Containers for General Purposes First Revision
4	IS 13288 (Part 4):1993 ISO 1496-4 Reviewed In : 2023 ISO 1496-4:1991	Series 1 freight containers - Specification and testing part 4 non-Pressurized containers for dry bulk

5	IS 13697:1993 ISO 9669 Reviewed In : 2023	Series 1 freight containers - Interface connections for tank containers
6	IS 17381:2021 ISO 17712 : 2013 60603-6 : 1987	Freight containers Mechanical seals
7	IS/ISO 18186:2011 ISO 18186:2011	Freight containers RFID cargo shipment tag system
8	IS 19037:2023 ISO 16111:2018	TRANSPORTABLE GAS STORAGE DEVICES HYDROGEN ABSORBED IN REVERSIBLE METAL HYDRIDE
9	IS 7694:2021 ISO 1161 : 2016	Series 1 freight containers Corner and intermediate fittings Specifications
10	IS 7917:1994 ISO 8323 Reviewed In : 2023 ISO 8323:1985	Freight containers - Air surface Intermodal general purpose containers - specification and tests First Revision
11	IS 9881:2007 Reviewed In : 2022	Container spreaders - Specification First Revision