

BUREAU OF INDIAN STANDARDS

Program of Work

LITD 12 : Transmitting and Receiving Equipment For Radio Communication

Scope: Standardization of transmitting and receiving equipment for radiocommunications purposes and electronic and optical devices employing similar techniques. The standardization work deals with methods of measurement, safety requirements and transmitter control and interconnection

Liaison: **IEC TC-103 (O):** *Transmitting and receiving equipment for radiocommunication*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10437 : 2019 IEC 60215 : 2016 Reviewed In : 2022 IEC 60215:2016	Safety requirements for radio transmitting equipment - General requirements and terminology (Second Revision)	May, 2022	-	Identical under dual numbering
2	IS 10820 (Part 1) : 1984 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60489-1	Methods of measurement for radio equipment used in mobile services: Part 1 general definitions and conditions of measurement	January, 2024	-	Modified/Technically Equivalent
3	IS 10820 (Part 2) : 1996 Reviewed In : 2024 Reaffirmed but not taken up for revision IEC 60489-2:1991	Methods of measurement for radio equipment used in the mobile services: Part 2 Transmitters employing A3E, F3E or G3E emissions	January, 2024	-	Identical under dual numbering
4	IS 10820 (Part 5) : 1992 IEC 60489-5 Reviewed In : 2024 IEC 60489-5:1987	Methods of measurement for radio equipment used in the mobile services: Part 5 receivers employing single - Sideband techniques (R3E, H3E Or J3E)	January, 2024	-	Identical under dual numbering
5	IS 10820 (Part 6) : 2015 IEC 60489-6 Reviewed In : 2024 IEC 60489-6:1999	Methods of measurement for radio equipment used in the mobile services: Part 6 selective calling and data equipment (First Revision)	January, 2024	-	Identical under dual numbering
6	IS 13409 : 1992 Reviewed In : 2024 Reaffirmed but not taken up for revision	High frequency transreceTvers specification	January, 2024	-	Indigenous
7	IS 16313 (Part 1) : 2016 IEC 60864-2(1997) Reviewed In : 2022	Standardization of interconnections between broadcasting transmitters or transmitter systems and supervisory equipment: Part 1	July, 2022	1	Identical under dual numbering

	IEC 60864-1:1986	interface standards for systems using dedicated interconnections			
8	IS 16313 (Part 2) : 2016 IEC 60864-2 : 1997 Reviewed In : 2022 IEC 60864-2:1997	Standardization of interconnections between broadcasting transmissions of transmitter systems and supervisory equipment: Part 2 interface standards for systems using data bus type interconnections	September, 2022	-	Identical under dual numbering
9	IS 16320 : 2016 IEC 61566 : 1997 Reviewed In : 2022 IEC 61566:1997	Measurement of exposure to radio frequency electromagnetic fields - Field strength in the frequency range 100 kHz to 1 ghz	July, 2022	-	Identical under dual numbering
10	IS 16321 (Part 1) : 2016 IEC 62273-1 : 2007 Reviewed In : 2022 IEC 62273-1:2007	Methods of measurement for radio transmitters: Part 1 performance characteristics of terrestrial digital television transmitters	July, 2022	-	Identical under dual numbering
11	IS 1885 (Part 82) : 1996 IEC 60050(716) Reviewed In : 2024 Decision taken to Reaffirm and Archive IEC 60050(716):1995	Electrotechnical vocabulary: Part 82 integrated services digital networks (ISDN)	January, 2024	-	Identical under dual numbering
12	IS 1885 (Part 86) : 2022 IEC 60050-704:1993 IEC 60050-704:1993	Electrotechnical Vocabulary Part 86 Transmission		-	Identical under dual numbering
13	IS 1885 (Part 87) : 2022 IEC 60050-713:1998 IEC 60050-713:1998	Electrotechnical Vocabulary – Part 713: Radio communications: transmitters, receivers, networks and operation		1	Identical under dual numbering
14	IS 1885 (Part 88) : 2022 IEC 60050-725:1994 IEC 60050-725:1994	Electrotechnical Vocabulary Part 88 Space Radio Communications		1	Identical under dual numbering
15	IS 1885 (Part 712) : 2021 IEC 60050-712:1992 Reviewed In : 2024 IEC 60050-712:1992	Electrotechnical Vocabulary – Part 712: Antennas	March, 2024	1	Identical under dual numbering
16	IS 2032 (Part 16) : 1972 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Graphical symbols used in electrotechnology: Part 16 aerials	January, 2024	-	Indigenous
17	IS/IEC 62272-2 : 2007 IEC 62272-2 : 2007 Reviewed In : 2023 IEC 62272 - 2 : 2007	Digital Radio Mondiale (DRM) Part 2 Digital Radio in the Bands Below 30 Mhz - Methods of Measurement for DRM Transmitters	July, 2023	-	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
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

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

Total Published Standards:17 Total Standards Under development:0

Aspect Wise Report

Product : 1
 Code of Practices : 0
 Methods of Test : 4
 Terminology : 5
 Dimensions : 0
 System Standard : 0
 Safety Standard : 0
 Others : 7
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10184 : 1982 Reviewed In : 1998	Lumbered Synthetic Quartz Crystal
2	IS 10485 : 1983 Reviewed In : 2021	Code of practice for installation of single and community antenna systems for reception of sound and televisions broadcasting
3	IS 10853 (Part 1) : 2019 IEC 60244-1 : 1999	Methods of measurement for radio transmitters Part 1 general characteristics for broadcast transmitters First Revision

	Reviewed In : 2022 IEC 60244-1:1999	
4	IS 10853 (Part 2) : 1984 Reviewed In : 2018	Methods of measurement for radio transmitters Part 2 Frequency
5	IS 10853 (Part 3) : 1984 Reviewed In : 2018	Methods of measurement for radio transmitters Part 3 Output power and power consumption
6	IS 10853 (Part 4) : 1994 IEC 60244-13 Reviewed In : 2021 IEC 60244-13:1991	Methods of measurement for radio transmitters Part 4 performance characteristics for FM sound broadcasting
7	IS 1885 (Part 5) : 1965	Electrotechnical vocabulary Part 5 - Quartz crystals
8	IS 1885 (Part 18) : 1967 Reviewed In : 2021 IEC 60050(60)	Electrotechnical vocabulary Part 18 general terms on radio communications
9	IS 1885 (Part 19) : 1967 Reviewed In : 2021 IEC 60050(60)	Electrotechnical vocabulary Part 19 radio communication circuits
10	IS 1885 (Part 20) : 1967 Reviewed In : 2021 IEC 60050(60)	Electrotechnical vocabulary Part 20 radiowave propagation
11	IS 1885 (Part 21/Sec 16) : 1988 Reviewed In : 2018 IEC 60050(712)	Electrotechnical vocabulary Part 21 antennas First Revision
12	IS 1885 (Part 23) : 1967 Reviewed In : 2021 IEC 60050(60)	Electrotechnical vocabulary Part 23 radio telegraphy and mobile radio
13	IS 1885 (Part 25) : 1967 Reviewed In : 2021 IEC 60050-713:1998	Electrotechnical vocabulary Part 25 radiolocation and radio - Navigation
14	IS 1885 (Part 33) : 1972	Electrotechnical vocabulary Part 33 - Piezo-electric filters
15	IS 1885 (Part 65/Sec 15) : 1988 Reviewed In : 2021 IEC 60050-704:1993	Electrotechnical vocabulary Part 15 transmission
16	IS 1885 (Part 66) : 1988 Reviewed In : 2021 IEC 60050-725:1994	Electrotechnical vocabulary Part 66 space radio communication
17	IS 2916 (Part 1) : 1969	Quartz crystal units used in oscillators Part 1 General requirements and tests
18	IS 2916 (Part 2) : 1972	Quartz crystal units used in oscillators Part 2 Type AA-01
19	IS 2916 (Part 3) : 1972	Quartz crystal units used in oscillators Part 3 Type AA-02
20	IS 2916 (Part 4) : 1972	Quartz crystal units used in oscillators Part 4 Type AA-03
21	IS 2916 (Part 5) : 1972	Quartz crystal units used in oscillators Part 5 Type AA-04
22	IS 2916 (Part 6) : 1972	Quartz crystal units used in oscillators Part 6 Type AA-05
23	IS 2916 (Part 7) : 1975	Quartz crystal units used in oscillators Part 7 Type AA-06
24	IS 2916 (Part 8) : 1976	Quartz crystal units used in oscillators Part 8 Type AA-07
25	IS 2916 (Part 9) : 1976	Quartz crystal units used in oscillators Part 9 Type AA-08
26	IS 2916 (Part 10) : 1977	Quartz crystal units used in oscillators Part 10 Type AA-09

27	IS 8899 : 1978 Reviewed In : 2000	Guide for the use of synthetic quartz crystal
28	IS 9709 : 1980 Reviewed In : 1996	Synthetic Quartz Single Crystal

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 13409 : 1992 Reviewed In : 2024 Reaffirmed but not taken up for revision	High frequency transreceTVers specification