

BUREAU OF INDIAN STANDARDS

Program of Work

ETD 34 : Instrument Transformers

Scope: To prepare standards and application guides for instrument transformers

Liaison: **IEC TC-38 (P): Instrument Transformers**

Published Standards

| S.No | IS No. | TITLE | Reaffirm M-Y | No. of Amds | Eqv. |
|------|--|--|----------------|-------------|-----------------------------------|
| 1 | IS 16227 (Part 1) : 2016 IEC 61869-1 : 2007 IEC 61869-1:2007 | Instrument transformers: Part 1 general requirements | | - | Identical under dual numbering |
| 2 | IS 16227 (Part 2) : 2016 IEC 61869-2 : 2012 Reviewed In : 2021 IEC 61869-2:2012 | Instrument transformers: Part 2 additional requirements for current transformers | February, 2021 | - | Identical under dual numbering |
| 3 | IS 16227 (Part 3) : 2015 iec61869-3 iec61869-3:2011 | Instrument transformers: Part 3 additional requirements for inductive voltage transformers | | - | Identical under dual numbering |
| 4 | IS 16227 (Part 4) : 2015 IEC 61869-4 : 2013 IEC 61869-4:2013 | Instrument transformers: Part 4 additional requirements for combined transformers | | - | Identical under dual numbering |
| 5 | IS 16227 (Part 5) : 2015 iec61869-5 iec61869-5 :2015 | Instrument transformers: Part 5 additional requirements for capacitors voltage transformers | | 1 | Identical under dual numbering |
| 6 | IS 16227 (Part 6) : 2018 IEC 61869-6 : 2016 Reviewed In : 2023 IEC 61869-6: 2016 | Instrument transformers: Part 6 additional general requirements for low - Power instrument transformers | March, 2023 | - | Identical under dual numbering |
| 7 | IS 16227 (Part 9) : 2018 IEC 61869-9 : 2016 Reviewed In : 2023 IEC 61869-9: 2016 | Instrument transformers: Part 9 digital interface for instrument transformers | March, 2023 | - | Identical under dual numbering |
| 8 | IS 16227 (Part 100) : 2018 IEC 61869-100 : 2017 IEC 61869-100:2017 | Instrument transformers: Part 100 guidance for application of current transformers in power system protection | | - | Identical under dual numbering |
| 9 | IS 16227 (Part 102) : 2018 | Instrument transformers: Part 102 ferroresonance oscillations in | | - | Identical under dual numbering |

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|----|---|---|----------------|---|----------------------------------|
| | IEC/TR 61869-102 : IEC TR 61869-102 : 2012 | substations with inductive voltage transformers | | | |
| 10 | IS 16227 (Part 103) : 2018 IEC/TR 61869-103 : 2012 IEC/TR 61869-103 : 2012 | Instrument Transformers part 103 The use of instrument Transformers for power quality Measurement | | - | Identical under dual numbering |
| 11 | IS 16855 (Part 1) : 2018 IEC 62689 -1 : 2016 IEC 62689-1: 2016 | Current and voltage sensors or detectors, to be used for fault passage indication purposes: Part 1 general principles and requirements | | - | Identical under dual numbering |
| 12 | IS 16855 (Part 2) : 2018 IEC 62689-2 : 2016 IEC 62689-2 : 2016 | Current and Voltage Sensors or Detectors to be used for Fault Passage Indication Purposes part 2 System Aspects | | - | Identical under dual numbering |
| 13 | IS 16855 (Part 100) : 2019 IEC 62689-100 : 2016 IEC 62689-100: 2016 | Current and voltage sensors or detectors to be used for fault passage indication purposes: Part 100 requirements and proposals for the is/iec 61850 series data model extensions to support fault passage indicators applications | | - | Identical under dual numbering |
| 14 | IS 2705 (Part 1) : 1992 Reviewed In : 2017 | Current transformers - Specification: Part 1 general requirements (Second Revision) | | 2 | Indigenous |
| 15 | IS 4146 : 1983 Reviewed In : 2016 | Application guide for voltage transformers (First Revision) | | - | Indigenous |
| 16 | IS 4201 : 1983 Reviewed In : 2016 | Application guide for current transformer (First Revision) | | - | Indigenous |
| 17 | IS 5547 : 1983 Reviewed In : 2016 | Application guide for capacitor voltage transformers (First Revision) | | - | Indigenous |
| 18 | IS/IEC 60044-7 : 1999 Reviewed In : 2022 IEC60044-7 | Instrument transformers: Part 7 electronic voltage transformers | December, 2022 | - | Identical under single numbering |
| 19 | IS/IEC 60044-8 : 2002 IEC 60044-8 : 2002 IEC 60044-8:2002 | Instrument transformers: Part 8 electronic current transformers | | - | Identical under single numbering |
| 20 | IS 6949 : 1973 Reviewed In : 2016 | Specification for summation current transformers | | - | Indigenous |

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:20 Total Standards Under development:0

Aspect Wise Report

Product : 12
Code of Practices : 5
Methods of Test : 0
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 3
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

| SI. No. | IS No. & Year | Title |
|---------|---|--|
| 1 | IS 11322 : 1985 Reviewed In : 2016 | Method for partial discharge measurement in instrument transformers |
| 2 | IS 2705 (Part 2) : 1992 Reviewed In : 2017 | Current transformers Part 2 Measuring current transformers |
| 3 | IS 2705 (Part 3) : 1992 Reviewed In : 2012 | Current transformers Part 3 Protective current transformers |
| 4 | IS 2705 (Part 4) : 1992 Reviewed In : 2012 | Current transformers Part 4 Protective current transformers for special purpose applications |
| 5 | IS 3156 (Part 1) : 1992 Reviewed In : 2012 | Voltage transformers Part 1 General requirements |
| 6 | IS 3156 (Part 2) : 1992 Reviewed In : 2012 | Voltage transformers Part 2 Measuring voltage transformers |
| 7 | IS 3156 (Part 3) : 1992 Reviewed In : 2012 | Voltage transformers Part 3 Protective voltage transformers |
| 8 | IS 3156 (Part 4) : 1992 Reviewed In : 2012 | Voltage transformers Part 4 Capacitor voltage transformers |
| 9 | IS/IEC6004 :-1 : 2003 Reviewed In : 2012 IEC60044-1 | Instrument Transformers Part 1 Current Transformers |

Annexure-II :List of Indian Product Standards

| SI. No. | IS No. & Year | Title |
|---------|---|--|
| 1 | IS 16227 (Part 1) : 2016 IEC 61869-1 : 2007 IEC 61869-1:2007 | Instrument transformers Part 1 general requirements |
| 2 | IS 16227 (Part 2) : 2016 IEC 61869-2 : 2012 Reviewed In : 2021 IEC 61869-2:2012 | Instrument transformers Part 2 additional requirements for current transformers |
| 3 | IS 16227 (Part 3) : 2015 iec61869-3 iec61869-3:2011 | Instrument transformers Part 3 additional requirements for inductive voltage transformers |
| 4 | IS 16227 (Part 4) : 2015 IEC 61869-4 : 2013 IEC 61869-4:2013 | Instrument transformers Part 4 additional requirements for combined transformers |
| 5 | IS 16227 (Part 5) : 2015 iec61869-5 iec61869-5 :2015 | Instrument transformers Part 5 additional requirements for capacitors voltage transformers |
| 6 | IS 16227 (Part 6) : 2018 IEC 61869-6 : 2016 Reviewed In : 2023 IEC 61869-6: 2016 | Instrument transformers Part 6 additional general requirements for low - Power instrument transformers |
| 7 | IS 16227 (Part 9) : 2018 IEC 61869-9 : 2016 Reviewed In : 2023 IEC 61869-9: 2016 | Instrument transformers Part 9 digital interface for instrument transformers |
| 8 | IS 16855 (Part 1) : 2018 IEC 62689 -1 : 2016 IEC 62689-1: 2016 | Current and voltage sensors or detectors to be used for fault passage indication purposes Part 1 general principles and requirements |
| 9 | IS 2705 (Part 1) : 1992 Reviewed In : 2017 | Current transformers - Specification Part 1 general requirements Second Revision |
| 10 | IS/IEC 60044-7 : 1999 Reviewed In : 2022 IEC60044-7 | Instrument transformers Part 7 electronic voltage transformers |
| 11 | IS/IEC 60044-8 : 2002 IEC 60044-8 : 2002 IEC 60044-8:2002 | Instrument transformers Part 8 electronic current transformers |
| 12 | IS 6949 : 1973 Reviewed In : 2016 | Specification for summation current transformers |