

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### MED 39 : Energy Management and Energy Savings Sectional Committee

**Scope:** Standardization in the field of energy management and energy savings, including for example: energy efficiency, energy performance, energy supply, procurement practices for energy using equipment and systems, and energy use as well as measurement of current energy consumption, implementation of a measurement system to document, report, and validate continual improvement in energy management and evaluation / determination of energy savings.

**Liaison:** **TC-301 (P):** *Energy management and energy savings*

### Published Standards

| S.No | IS No.  | TITLE   | Reaffirm M-Y   | No. of Amds | Eqv.                             |
|------|---|---|----------------|-------------|----------------------------------|
| 1    | IS/ISO/IEC 13273-1 : 2015<br>ISO/IEC 13273-1 : 2015<br><br>Reaffirmed but not taken up for revision<br><b>ISO/IEC 13273-1:2015</b>          | Energy efficiency and renewable energy sources - Common international terminology: Part 1 energy efficiency         |                | -           | Identical under single numbering |
| 2    | IS/ISO/IEC 13273-2 : 2015<br>ISO/IEC 13273-2 : 2015<br><br>Reaffirmed but not taken up for revision<br><b>ISO/IEC 13273 : Part 2 : 2015</b> | Energy efficiency and renewable energy sources - Common international terminology: Part 2 renewable energy sources  |                | -           | Identical under single numbering |
| 3    | IS/ISO 17741 : 2016<br>ISO 17741 : 2016<br><br>Reaffirmed but not taken up for revision<br><b>ISO 17741 : 2016</b>                          | General technical rules for measurement, calculation and verification of energy savings of projects                 |                | -           | Identical under single numbering |
| 4    | IS/ISO 17742 : 2015<br>ISO 17742 : 2015<br><b>Reviewed In : 2022</b><br><b>ISO 17742 : 2015</b>   | Energy efficiency and savings calculation for countries, regions and cities   | February, 2022 | -           | Identical under single numbering |
| 5    | IS/ISO 17743 : 2016<br>ISO 17743 : 2016<br><br>Reaffirmed but not taken up for revision   | Energy savings - Definition of a methodological framework applicable to calculation and reporting on energy savings |                | -           | Identical under single numbering |

|    |  |   |                |   |                                  |
|----|--|---|----------------|---|----------------------------------|
|    | ISO 17743 : 2016   |   |                |   |                                  |
| 6  | IS/ISO 50001 : 2018<br>ISO 50001 : 2018<br>ISO 50001 : 2018                          | Energy management systems - Requirements with guidance for use (First Revision)   | -              | - | Identical under single numbering |
| 7  | IS/ISO 50002 : 2014<br>ISO 50002 : 2014<br>Reviewed In : 2022<br>ISO 50002 : 2014N/A | Energy audits - Requirements with guidance for use  | February, 2022 | - | Identical under single numbering |
| 8  | IS/ISO 50003 : 2021<br>50003<br>50003  | Energy management systems Requirements for bodies providing audit and certification of energy management systems First Revision               |                | - | Identical under single numbering |
| 9  | IS/ISO 50004 : 2020<br>50004<br>50004  | ENERGY MANAGEMENT SYSTEMS GUIDANCE FOR THE IMPLEMENTATION MAINTENANCE AND IMPROVEMENT OF AN ISO 50001 ENERGY MANAGEMENT SYSTEM First Revision |                | - | Identical under single numbering |
| 10 | IS/ISO 50005 : 2021<br>50005:2021<br>50005:2021                                      | ENERGY MANAGEMENT SYSTEMS GUIDELINES FOR A PHASED IMPLEMENTATION  |                | - | Identical under single numbering |
| 11 | IS/ISO 50006 : 2023<br>ISO 50006:2023<br>ISO 50006:2023                              | Energy Management Systems Evaluating Energy Performance using Energy Performance Indicators and Energy Baselines First Revision               |                | - | Identical under single numbering |
| 12 | IS/ISO 50007 : 2017<br>ISO 50007 : 2017<br>Reviewed In : 2024<br>ISO 50007           | Energy Services "€" Guidelines for the Assessment and Improvement of the Energy Service to Users  | May, 2024      | - | Identical under single numbering |
| 13 | IS/ISO 50009 : 2021<br>50009<br>50009  | Energy management systems Guidance for implementing a common energy management system in multiple organizations                               |                | - | Identical under single numbering |
| 14 | IS/ISO/PAS 50010 : 2023<br>ISO/PAS 50010 : 2023<br>ISO/PAS 50010 : 2023              | Energy Management and Energy Savings - Guidance For Net Zero Energy In Operations Using An ISO 50001 Energy Management System                 |                | - | Identical under single numbering |
| 15 | IS/ISO/TS 50011 : 2023<br>ISO/TS 50011 : 2023<br>ISO/TS 50011 : 2023                 | Energy Management Systems Assessing Energy Management Using ISO 50001 : 2018  |                | - | Identical under single numbering |
| 16 | IS/ISO 50015 : 2014<br>ISO 50015 : 2014<br>Reviewed In : 2022<br>ISO 50015 : 2014    | Energy management systems - Measurement and verification of energy performance of organizations - General principles and guidance             | February, 2022 | - | Identical under single numbering |
| 17 | IS/ISO 50045 : 2019<br>ISO 50045 : 2019<br>Reviewed In : 2024<br>ISO 50045           | Technical Guidelines for the Evaluation of Energy Savings of Thermal Power Plants   | May, 2024      | - | Identical under single numbering |

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|----|--|---|-----------|---|-------------------------------------|
| 18 | IS/ISO 50046 : 2019<br>ISO 50046 : 2019<br>Reviewed In : 2024<br>ISO 50046                                     | General Methods for Predicting<br>Energy Savings  | May, 2024 | - | Identical under single<br>numbering |
| 19 | IS/ISO 50047 : 2016<br>ISO 50047 : 2016<br><br>Reaffirmed but not<br>taken up for revision<br>ISO 50047 : 2016 | Energy savings - Determination of<br>energy savings in organizations  |           | - | Identical under single<br>numbering |
| 20 | IS/ISO 50049 : 2022<br>50049:2020<br>50049:2020  | CALCULATION METHODS<br>FOR ENERGY EFFICIENCY<br>AND ENERGY CONSUMPTION<br>VARIATIONS AT COUNTRY<br>REGION AND CITY LEVELS |           | - | Identical under single<br>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  |
|---------|----------------|--|
| 1       | MED 39 (26050) | Energy management systems - Requirements with guidance for use First Revision Amendment -<br>1 |

**Total Published Standards:18 Total Standards Under development:1**

### Aspect Wise Report

Product : 0  
Code of Practices : 2  
Methods of Test : 0  
Terminology : 2

Dimensions : 0  
System Standard : 16  
Safety Standard : 0  
Others : 0  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

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| <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> |               |       |

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