

Process Reforms in Standardization Activity of BIS

Bureau of Indian Standards

WHY REFORM?

Areas for improvement

- Identification of New Areas for Standardization
- Creating Support Structures
- Stakeholder Management
- Committee Management Strategy
- Enhancing International Footprint
- Digital Transformation
- Standards Promotion

IDENTIFICATION OF NEW AREAS FOR STANDARDIZATION

- Standards National Action Plan (SNAP) 2022-27
- Rolling Annual Action Plan for 2023-2024
- Annual Programme for Standardization
 - For Central Ministries and Departments
 - State Governments
 - Industry Associations
- Annual Meeting Calendar for TCs
- Creation of Standardization Cells
- Interaction with the Faculty of Prominent Technical Institutes
- Subscription of all important Scientific Journals and Periodicals
- Participation in important National and International Events

CREATING SUPPORT STRUCTURES



STAKEHOLDER MANAGEMENT

- Annual Strategic Roadmap document, monitoring the progress and ensuring timely reviews.
- Identifying various stakeholder communities, sharing current and future strategic directions in standardization, encouraging participation, promoting synergy and harmonious development of standards between various bodies through interactions.
- Focused outreach activities with the leaderships of specific groups like industry, professional bodies, scientific and research groups, policy makers and regulators, innovators and startups, etc where relevant.
- Coordinating with Standardization Cells and their capacity building.
- Coordinating activities connected to collaboration with other national level SDOs under One nation One Standard Scheme.

COMMITTEE MANAGEMENT STRATEGY

- ▶ Standardization as a whole-organization activity, ending the compartmentalized approach.
- ▶ Focus on creation of a larger pool of experts.
- ▶ All Branch Offices to function as outposts of Standardization.
- ▶ Focus on Institutionalization of the participation of Civil Society Groups.
- ▶ Manak Manthan – a platform for the formal launch of new standards and deliberations on revisions, amendments and Wide Circulation Drafts.
- ▶ Half-Yearly Standards Conclaves by Branch Offices

COMMITTEE MANAGEMENT STRATEGY

- Ensuring adequate representation and expertise in Sectional Committees.
- Ensuring regular attendance in Sectional Committee meetings.
- Ensuring frequent meeting of Sectional Committees and timely communication with members through Standardization Portal.
- Keeping track of progress of the work of standards formulation through stage wise timelines and provision of monitoring progress through Standardisation Portal.
- Review of standards through Review Module in Standardization Portal following Action Research Based Approach.
- Mandatory submission of proposal for taking up formulation or revision of a standard through Standardization Portal with adequate justification

RESEARCH SUPPORT

- R & D Projects to be taken up for inclusion of empirical data and insights
- Funding of R&D Projects by BIS for Establishment and Revision of Indian Standards, Special Publications and Handbooks

A. **Small R&D Projects:**

- Projects involving preparation of working draft of new standards and revision of existing standards. The mode of research is normally through internet resources, books, journals, periodicals, regulations, SDO/national/regional/international/foreign standards.
- This may involve a single standard or multiple standards of the same Sectional Committee.
- The duration of a small project shall not exceed one year (i.e. the time for submission of working draft) with approved expenditure not exceeding Rs.2lakh per project.

B. **Large R&D Projects:**

- Projects involving preparation of working draft of new Standards or revision or amendment of existing standards where subjects/standards are of highly complex and of specialized nature and/or involve voluminous technical work.
- Projects involving formulation/revision/amendment of voluminous deliverables such as special publications/handbooks.
- Projects involving work of experimental nature and may include validation of test methods.
- This may involve single standard or multiple standards of same group.
- The approved expenditure for such large projects may exceed Rs.2 lakh per project but their duration shall not exceed 2 years (i.e. the time for submission of working draft).

ENHANCING INTERNATIONAL FOOTPRINT

- Founder member of International Organization for Standardization (ISO).
- Member of Apex Governance Body i.e. ISO Council from 01 January 2022 to 31 December 2024 and ISO Council Standing Committee on Strategy & Policy.
- Member of Apex Governance Body for technical matters i.e. Technical Management Board of ISO from 01 January 2023 to 31 December 2025.
- Member of Standards Management Board of IEC since 2015, further elected from 01 January 2021 to 31 December 2023.
- 32 MoUs and 09 BCAs
- Member of IEC Market Strategy Board from March 2022 to March 2024

ENHANCING INTERNATIONAL FOOTPRINT

- Secretariats for 03 Technical Committees and 08 Subcommittees of ISO.
- Leading SyC LVDC “Low Voltage Direct Current and Low Voltage Direct Current for Electricity Access” of IEC.
- Actively involved in standardization under regional and multilateral platforms such as South Asian Regional Standards Organization (SARSO), Pacific Area Standards Congress (PASC), BRICS, IBSA, etc.
- Chair of the Technical Management Board and of the Board for Conformity Assessment (BCA) of SARSO.
- Nominated convenors for 23 working groups of ISO and 12 working groups/system evaluation groups of IEC.

ENHANCING INTERNATIONAL FOOTPRINT

- Proposal sent for hosting ISO General Assembly meeting in 2025 and IEC General Assembly meeting in 2027.
- Plenary meeting of COPOLCO was held at New Delhi in May 2023.
- Study tour of 19 BIS Scientific Officers to CEN-CENELEC, EFTA and AFNOR organized. Group of 4 Senior Officers also visited Standards Australia.
- Action plan for Indo-German working group finalized, and visit by German and Indian delegations to happen this year.
- Review of ISO/IEC Technical Committees for enhancing P Member status.
- Identification of indigenous standards to be proposed as new subjects at ISO/IEC level
- Closer examination of New Work Item Proposals received from ISO/IEC
- Measures to ensure effective participation by Indian experts at ISO/IEC levels

DIGITAL TRANSFORMATION

- Structuring and framing the specifications of a revamped Standards Portal, future improvements in portal and in functioning of the portal on day to day basis.
- Generation of various reports for monitoring standards development activities.
- Review and undertake improvements in standardization processes including of project management and process KPIs.
- Restructuring of committees and review of committee compositions.
- Organize maintenance of all databases pertaining standardization.
- Monitor the standardization activities including that of publication of standards.

STANDARDS PROMOTION

Standards Club:

- 4200 new standards club formed since 1 April 2022.
- Residential training for mentors from each of these institutions.
- More than 1 lakh students enrolled.
- Student centric activities relating to standards and quality conducted with the help of mentors.
- Learning science via Standards taken up to popularize Indian Standards and improve the quality of science education
- 51 lesson plans under Learning science via Standards developed.
- A film on Orientation program for Standards Club
- Online Exchange Forum under development.



STANDARDS PROMOTION

- ▶ District Level Officers (DLO) sensitized on BIS activities and Indian Standards.
- ▶ Out of 766 districts , Sensitization programme in 491 districts organized.
- ▶ Focus on products under compulsory certification.
- ▶ To be followed up with Sensitization programmes for Sub-district level officials.
- ▶ Training programmes for State Government organizations and utilities.
- ▶ Webinar with State Consumer Affairs Secretaries and District Collectors.
- ▶ Quality Connect Programme organized on World Standards Day and BIS Foundation day involving 25,000 youth volunteers covering more than 5 lakh houses.

THANK YOU