

STANDARDS NATIONAL ACTION PLAN



BUREAU
OF INDIAN
STANDARDS

STANDARDS NATIONAL ACTION PLAN (SNAP)

Mr J Roy Chowdhary
Deputy Director General (Laboratory) &
Head (International Relations)
Bureau of Indian Standards

Need for Standards National Action Plan

To respond to current **standardization challenges** so that:

- Standards are developed with clear understanding of **national priorities**
- Standards take into account **emerging technologies**
- There is enhanced **participation of stakeholders** in standards development
- National standardization is **integrated** within the country and with International standardization

Methodology

STEP

1

- The **Indian National Strategy for Standardisation (INSS)** released by Ministry of Commerce & Industry, Govt. of India was taken as the background.

- key elements of the quality infrastructure
- key facilitator of all economic activities
- importance of developing a comprehensive ecosystem for standards development in India by adopting the best international practices
- creating a response mechanism to meet the standardisation challenges

Methodology

STEP

2

- **Secondary research for prioritisation of key standardization areas** through a process as outlined in **the ISO guidelines** :
 - Dataset from the period 2011-12 to 2016-17
 - Contribution to Gross Domestic Product (GDP)
 - Contribution to trade (both export and import)
 - National Accounts Statistics 2017
 - Balance of Payment dataset of Ministry of Commerce and Industry
 - Export-Import Dataset of Department of Commerce
 - Export- Import databank
 - NITI Aayog reports and the three-year action plan
 - The policy directions and developmental programmes of different ministries
 - Various world body reports on India

Methodology

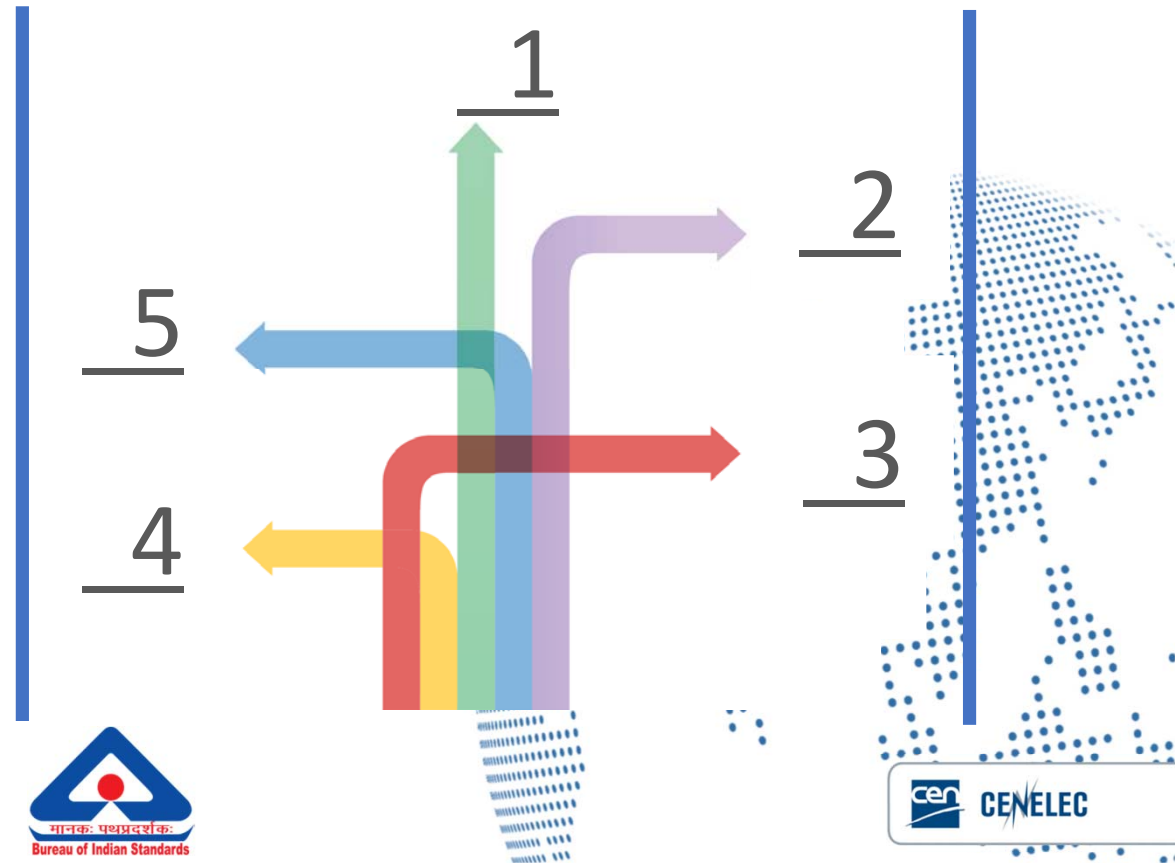
STEP

3

- Extensive process of **consultation with stakeholders** for identification of the following **key issues**:
 - **Gap areas in standardisation** and subjects/ topics to be taken up for future standards development,
 - Evolving **mechanism for regular feedback** on standards and standardisation needs,
 - **Constraints faced in participation** in standardisation work both at national and international level,
 - **Difficulties faced in implementation** of standards, and
 - **Capacity building needs of stakeholders** for effective participation in standards development.

Action Plan - Identified Objectives

- Identification of **standardisation needs** and **enhancing stakeholder involvement**
- Making standardisation processes **efficient and fast**
- Ensuring **harmonious** standardisation activities in the country
- Increasing participation and involvement in **international standardisation** activities
- Increasing **awareness and implementation** of standards



Identification of standardisation needs and enhancing stakeholder involvement

OBJECTIVE

1

ACTION PLAN

- **Interaction** with Ministries, Regulators and Industry Associations
- **Standardisation Cells** in Ministries/ Departments/ Industry Association
- **Online submission** of standardisation proposals and comments
- Seeking **expression of interest for participation** of experts
- **Capacity building** of experts
- **Funding** of participation
- **Recognition** of contribution
- **Young professionals'** discussion forum/platform

Making standardisation processes efficient and fast

OBJECTIVE

2

ACTION PLAN

- Extensive use of **web conferencing facilities** in technical committee meetings.
- Introduction of **e-committees** in national standards work.
- Creating **National Commenting platform** for online commenting/feedback on existing standards/draft documents.
- Strengthening **Project Management** approach in standardisation work.
- Conversion of standards to **XML format**.
- Improving the **process of reviewing** of existing standards.
- Introduction of **online authoring and collaboration platform** in standards development.

Ensuring harmonious standardisation activities in the country

OBJECTIVE



ACTION PLAN

- Introduce a **Scheme for Accreditation / Recognition of SDOs** by BIS.
- Hold regular **meetings with other SDOs** in India.
- Conduct **trainings on Good Standardisation Practices** for other SDOs.



Increasing participation and involvement in international standardisation activities

OBJECTIVE



ACTION PLAN

- Identify **priority areas of participation in ISO & IEC** and **relevant experts** and draw an **annual delegation plan**.
- Propose **new work items** for standardisation
- **Simplify the procedure of approval of delegation**
- Seek membership/participation in **other international Standards bodies** of relevance.
- **Agreements with other national/ international/global Standards bodies on adoption**
- **Hosting international events**
- **collaboration activities with NSBs** that are MoU partners.

Increasing awareness and implementation of standards

OBJECTIVE

5

ACTION PLAN

- Awareness programmes for
 - Industry with **focus on MSMEs**.
 - **Govt. Departments/Regulators/ procurement agencies**
 - **Consumer bodies**.
- Product specific training programmes for **industry**
- Organise conferences/seminars/workshops in **partnership with industry bodies/associations, technical and academic institutes or professional bodies**.
- Theme based **Media campaigns** (theme-based)
- Develop **publicity and communication materials**
- **Introduce standards education** in academia/academic curriculum.
- Establish contact/interact with **innovation centres in academic institutions**

Increasing awareness and implementation of standards

OBJECTIVE

5

ACTION PLAN

- Provide **limited access to standards** used in regulations or on subscription basis.
- Conduct **technical committee meetings in universities/technical institutions.**
- **Promote/fund R&D work** for the purpose of standards development.
- Create **easy accessibility** to information on Indian standards.
- **Young Professionals Programme/Young Standardisers Programme**
- **Registry of testing facilities** in the country.
- Introduce options for **sale of standards as collections.**

Key standardization areas

KEY

26

SECTORS

- 1) Aerospace
- 2) Agriculture
- 3) Appliances
- 4) Automotive
- 5) Building and Construction
- 6) Chemicals
- 7) Coal & related products
- 8) Electronics
- 9) Engineering
- 10) Environment
- 11) Food & Food processing
- 12) Health & Safety
- 13) Healthcare
- 14) Information Technology
- 15) Leather
- 16) Manufacturing
- 17) New & Renewable Energy
- 18) Petrochemicals
- 19) Petroleum
- 20) Power
- 21) Services
- 22) Steel
- 23) Textiles
- 24) Transportation
- 25) Urban development
- 26) Water resources

Implementation of the Action Plan

- The action plan would be implemented in the **next three years** and the progress monitored periodically in terms of measures identified against each.
- The review process **may result in new initiatives** being identified so as to meet the emerging requirements and challenges.
- **Sustainability, smartness and service standardisation** would be the key aspects that would define the future national standardisation work of BIS.
- Specific plans and activities/initiatives would further **evolve** as necessary and appropriate **resources would be mobilised** to support the work and execute the action plan.
- The National Standards Action Plan would enable BIS to effectively lead the national standardisation work, ensuring that it fulfills its objectives of being a National Standards Body.

*Thank
you*



J Roy Chowdhary
ird@bis.gov.in