Bhutan Standards Bureau (BSB)

‘The National Standards Body of Bhutan’

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Standardization Division,
ktshetrim@bsb.gov.bt
OUTLINE

- Brief Background, Core Mandates & Organizational Structure
- Services provided by BSB
- Standardization Services
- International memberships and partners
- Challenges

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BRIEF BACKGROUND

Standards & Quality Control Division, MoC

2000

Standards & Quality Control Authority, MoWHS

2003

Good Governance + : SQCA to NSB

2005

Bhutan Standards Bureau (Autonomous)

2010

Bhutan Standards Act 2010

2011

BSB (subsumed under MoICE)

Jan 2023

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1. **STANDARDS:** Develop & promote national standards and facilitate their implementation

2. **METROLOGY:** Establish & operate the National Metrological Laboratory

3. **ACCREDITATION:** Permit, coordinate and facilitate accreditation of laboratories and certification bodies

4. **CONFORMITY ASSESSMENT SERVICES:** Establish and operate product testing infrastructure; carry out/operate product and management system certification schemes

5. **PROMOTE QUALITY & STANDARDIZATION**

6. **TRADE FACILITATION:** Facilitate implementation of the regional & international trade
Services provided by BSB

01 Standardization
02 Certification
03 Metrology & Laboratory

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Standardization Services
Develops/adopts and publishes national standards

Facilitate their implementation through publicity and awareness programs.
Principles for Development of Standards

✓ Consensus

✓ Transparency

✓ Approval by recognized body
STANDARDIZATION METHODS

✓ Development (405 Days)
✓ Adoption
  ✓ Identical
  ✓ Modified
✓ Non equivalent / development
✓ Harmonization
STAKEHOLDERS IN STANDARDIZATION

- Industry
- Business
- Government Agencies
- Regulatory Bodies
- Academia
- NGOs
- Others
STANDARDS DEVELOPMENT

Standardization Process

1. Need for New Standard development is proposed to BSB
2. Government, Industries, Consumers, Regulatory Agencies, Institutions, NGOs & other relevant stake holders
3. Constitution of Technical Committees and development of standards
4. Consensus
5. Draft Circulation
6. Approval by BSB Board
7. Publication and Sale

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<th>TC</th>
<th>TC-01 Civil Engineering</th>
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### List of Standards under Mechanical Engineering TC

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<tr>
<th>SL.No</th>
<th>STD No</th>
<th>Standards Title</th>
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<td>1</td>
<td>BTS 34: 2017</td>
<td>Power Tillers- Basic Requirements (Part 1)</td>
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<td>2</td>
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<td>Power Tiller Test Code (Part 2)</td>
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<td>BTS 36: 2018</td>
<td>Power Reaper - Basic Requirements (Part 1)</td>
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<td>BTS 38: 2019</td>
<td>Rice Mill- Basic Requirements (Part 1)</td>
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<td>Portable Brush Cutter-Basic Requirements(Part 1)</td>
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<td>Grain Mill-Basic Requirement (Part 1)</td>
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<td>Green House-Basic Requirement –Part 1</td>
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<td>Tractor- Test Code–Part 2</td>
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International Memberships & Partners

Memberships:

1. Correspondent membership to International Organization for Standardization (ISO) since 2005
2. Affiliate + membership to International Electrotechnical Commission (IEC) since 2006
3. South Asian Regional Standardization Organization (SARSO)

MOUs:

1. Institute of Electrical and Electronics Engineers (IEEE) - 2021
2. ASTM International
3. BSTI, Bangladesh
4. BIS, India
5. NABL, NABCB and DTH, India
6. BSNI, Indonesia
Challenges

✓ Lack of Awareness or understanding on the importance of Standards for national economy.
✓ Lack of Resources.
✓ Lack of experts.
✓ Poor coordination between the stake holders.
STANDARDIZATION UPDATE

- Total Number of BTS: 341
- BSB Developed standards: 70
- Adoption of other standards as BTS:
  - Identical: ISO-56, IEC:122, ASTM-1 & BIS-83
  - SARSO Harmonized Standards: 11
Participation to ISO Standardization

- Participated as an observer to ISO TC

- 1. ISO/TC 23: Tractors and machinery for agriculture and forestry