Developing the National Standardization Strategy
To give an overview of the ISO Methodology for developing National Standardization Strategies (NSS)
Why develop a NSS?

- Benefits of Standards
- Effectively satisfy real stakeholder needs
- Rationalize Limited Resources
ISO Methodology - The basic logic

Possible improvements
Sectors
Fields (Sub-sectors)
Subjects

STANDARDS
National Standardization Plan

- **WHAT:** Lists the required National Standards
- **WHY:** Gives an identification of their priority, including a reason why they are important
- **WHEN:** Contains a time plan for their development
- **WHO:** Assigns responsibilities for their development
- **HOW MUCH:** Associated with a resource plan
National Standardization Strategy

- Identifies required National Standards (assessment of the economy, society, national development plans, stakeholder inputs)
- Assigns ranks to identify the priority of each standard
- Arrives at a (nearly) final list of required standards
- Undertake planning of human and financial resources
- Arrives at a national standardization plan (Standards Work Programme)
- Implements the plan
- Undertakes follow-up activities (monitoring & evaluation)
**Phase 1:** Determination of needs & priorities to be addressed by standards

**Phase 2:** Development/Adoption of standards

**Phase 3:** Dissemination/Capacity Building/Training in the use of the standards

**Phase 4:** Use/Implementation of the standard

**Phase 5:** Monitoring of the effects and impact of standards

**Phase 6:** Review/decision on follow-up: Revise, Confirm, Withdraw Standards/ Strengthen their dissemination and implementation
Determining Priorities

- Economic importance (e.g. GDP, Export potential)
- Social importance/ Critical societal needs
- Future needs
- Stakeholder views/ Input
Analysis of the National Economy

Economic factors considered:

- **Gross domestic product**
- **Trade figures**
  - Exports
  - Imports
- **Employment contribution**

Information obtained from national statistics trade, trade data and information from Ministries
Analysis of Social Non-economic Factors

Social issues considered include:

- Health
- Environment and sustainability
- Education
- Safety (public and industrial)
- Accessibility issues for persons with disabilities
- National security

Information obtained from same sources as economic information but also includes public concerns and opinion expressed in media.
Approach to Stakeholder Engagement

- Stakeholder surveys
  - Board members of the NSB
  - Technical committees and subcommittees of the NSB
  - Industry and professional associations cooperating with the NSB
  - Interested government agencies
  - Consumer associations
  - Regional entities/zones
  - Selected companies
  - NGOs

- Internal feedback solicited through NSS Task Force
# Ranking scheme for the prioritization of standards and projects

<table>
<thead>
<tr>
<th>Rank</th>
<th>Economic Priorities</th>
<th>Non-economic (Social) Priorities</th>
<th>Priorities derived from Development Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Very important &amp; urgent</td>
<td>Very serious &amp; urgent problem, public outcry</td>
<td>Great importance in near future</td>
</tr>
<tr>
<td>2</td>
<td>Highly important</td>
<td>Serious problem, common occurrence, media attention</td>
<td>Great importance, if conditions apply</td>
</tr>
<tr>
<td>3</td>
<td>Moderately important</td>
<td>Serious problem, some media reports</td>
<td>Some importance in medium term</td>
</tr>
<tr>
<td>4</td>
<td>Of secondary importance</td>
<td>Problem is localized, no media reaction</td>
<td>Some importance in long term</td>
</tr>
<tr>
<td>5</td>
<td>Not important</td>
<td>Other issues</td>
<td>No importance expected</td>
</tr>
</tbody>
</table>
From standardization priorities to a national standards development plan

- **Socio-economic PRIORITIES**
- **Stakeholder proposed PRIORITIES**

**Combined socio-economic (sectors) and stakeholder priorities (subjects)**

**Standards development plan**

List of priority national standards to be developed through:
- Adoption
- Further evaluation
- Active participation
- Monitoring
- National development

Analyse human & financial resources needed
Check available human & financial resources

Compare & prepare final list of standards to be developed over a three-year period (National standards development plan)
Combining socio-economic and stakeholder priorities

• Data combined into a single priority rank in the standards development plan:
  
  1. **Priority ranks derived from economic and social data**
  
  2. **Priority ranks expressed by stakeholders**

• The overall priority for each item calculated as the average of socio-economic priority and the priority perceived by stakeholders and expressed in a final rank.
Main Output

Result - A final priority ranking established for the subject or topic for standardization based on desk research and requests obtained from stakeholders
### Classification of topics
(3 levels: Level of subjects should be so specific as to allow a mapping to the topics of standards)

### Ranking on socio-economic criteria
(enter the rank for these criteria in the cells below)

### Stakeholder rank

<table>
<thead>
<tr>
<th>Sector</th>
<th>Field</th>
<th>Subject</th>
<th>GDP</th>
<th>Export</th>
<th>Import</th>
<th>National plans</th>
<th>Non-economic / Social</th>
<th>Stakeholder response</th>
</tr>
</thead>
</table>

Template for Results
Comparison between required and available resources

Available human and financial resources

Analysis of required human and financial resources

Prepare draft listing of standards projects and seek feedback

Prepare draft strategy

Final approval by TTBS

Publish NSS

Roll out of NSS

Annual Review and update of NSS
The End