Benefits of Standardization
The main criteria for international standardization are:

- Improvement in universal technical communication and mutual understanding;
- Facilitation of international exchange of goods and services;
- Removal of technical barriers to trade;
- Transfer of technology.
Benefits of Standardization

- Uniform terminology is created
- Sizes and dimensions are co-ordinated and adapted
- Variety is reduced
- Function requirements and characteristics are specified
- Unambiguous testing methods are established
Benefits of Standardization

For *product standards* the benefits may be broadly summarized under the headings variety reduction, interchangeability, and availability:

the effects of *variety reduction* are well known and can mostly be assessed in terms of hard cash, taking due account of the additional cost reduction effects on associated parts and operations;

*interchangeability* as a result of standardization leads to higher productivity and lower manufacturing costs. These benefits are relayed to the users as a result of increased competition. Interchangeability is also very important to erection, installation, maintenance, and repairs;

easy *availability* implies that an adequate number of varieties are always in stock. This means shorter lead times and less capital tied up on the user side.
So, you have changed of neighbourhood!

Congratulations!
Benefits of Standardization

You pay a first visit to the local supermarket with your shopping list.

What happens?
Benefits of Standardization

- Products are in different places
- Brands are different
- New products unknown to you
Benefits of Standardization

You are obliged to search and compare!
Benefits of Standardization

Relationship between the supermarket’s manager and the new customer:

Manager

↑  ↓  ↑

New customer
Customers have different tastes, different pockets, and buy every time for different reasons.
Users and Consumers

**USERS:** Buy to add value to the product and make profit

**CONSUMERS:** Buy to consume the product and get satisfaction at a reasonable price.
Benefits of Standardization

Is there enough offer of standards?
Is there enough demand of standards?
Are there too many standards?
Are they sufficiently employed?

Gentlemen: Your comments, please!
Benefits of Standardization

The Universe of the Standardization

- International
- Regional
- National
- Sectoral
- Company

Level

Activity

Management
Electrical
Food Industry
Agriculture
Forestry
Textile Industry
Chemical Products
Information Technology
Education and Training

Terminology
Technical Specifications
Sampling and control
Testing and analysing
Reduction of the variety
Grading
Codes of Good Practices
Relationship between standardization at company, national, and international levels

It should always be remembered that it is on the company level that the actual implementation of
Where is it my galaxy?
Users, consumers, and producers of standards, are looking in the same direction?
Benefits of Standardization

The offer:

- Are NSBs offering all available standards?
- Do they know in detail the Universe of Standardization?
- Do they try to adjust their offer to the real needs of the specific user and consumer?
- Do they know the universe of available standards for each sector of the economy?
Benefits of Standardization

Levels of potential demand

- Government
- Entrepreneurial community
- Exporters and importers
Benefits of Standardization

For Governments:

- Regulatory activities
- Public procurement
- Public works projects
- Communications
- Technical support to social projects
Benefits of Standardization

To industries:

— market research

— development;
  — engineering;
  — production engineering;
  — tooling;
  — estimating;
  — ordering;
  — works order planning;
  — purchasing;
  — component production;
  — assembly;
  — inspection;
  — storing, warehousing;
  — marketing;

— Support to management systems

— distribution;
— transport;
— installation;
final inspection;
— operation and use;
— maintenance;
— repairs;
— extensions;
effects from environment;
effects on environment;
dismantling, recycling;
destruction.
Benefits of Standardization

To consumers:

• A source of information
• The application of the performance approach
• Comparative analysis
• Source for complaints
• More balanced technical regulations
Benefits of Standardization

According to the environment, emphasize:

- Economic benefits
- Technical Benefits
- Social benefits
- Political benefits
- Management benefits