



Adoption of IEC International Standards

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Training Workshop
2015-10-19
Moscow, RU



**INTERNATIONAL
ELECTROTECHNICAL
COMMISSION**

What is a standard?

document, established by **consensus** and approved by a recognized **body**, that provides, for common and repeated use, rules, guidelines or characteristics for activities or their results, aimed at the achievement of the optimum degree of order in a given context

NOTE Standards should be based on the consolidated results of science, technology and experience, and aimed at the promotion of optimum community benefits.

How are standards developed?

- Standards are developed in **TC/SCs** (174 in IEC)
- **Defined process**
 - Proposal NP
 - Preparatory WD
 - Committee CD
 - Enquiry CDV
 - Approval FDIS
 - Publication PUB



Welcome to the World of IEC.
A natural passion.



Technical regulations

- **Used to support government policy**
 - **Laws**
 - **Rules**
 - **Directives**
 - **Regulations**
- **Technical and administrative provisions**
- **Refer to standards for technical provisions**

Types of standards

- **International**
 - **IEC, ISO, ITU**
- **Regional**
 - **CENELEC, CEN, EASC**
- **National**
 - **DIN, ÖVE, BSI ...**

Adoption of International Standards

- **ISO/IEC Guide 21: Regional or national adoption of International Standards and other International Deliverables — Part 1: Adoption of International Standards**

Degrees of correspondence

- **Identical (IDT)**
- **Modified (MOD)**
- **Not equivalent (NEQ)**

Adoption methods

- **Endorsement**
- **Republication**

Technical deviations

- **Deletions**
- **Additions**
- **Alterations**
- **Parallel requirements**
- **Combination of all these**

WTO and TBT

- **National technical regulations, conformity assessment procedures should not constitute unnecessary barriers to international trade ...**
- **Balance between members' right to regulate and threat posed by TBTs**
- **Use IS as the basis for regulations**
- **Play a full part in their development**

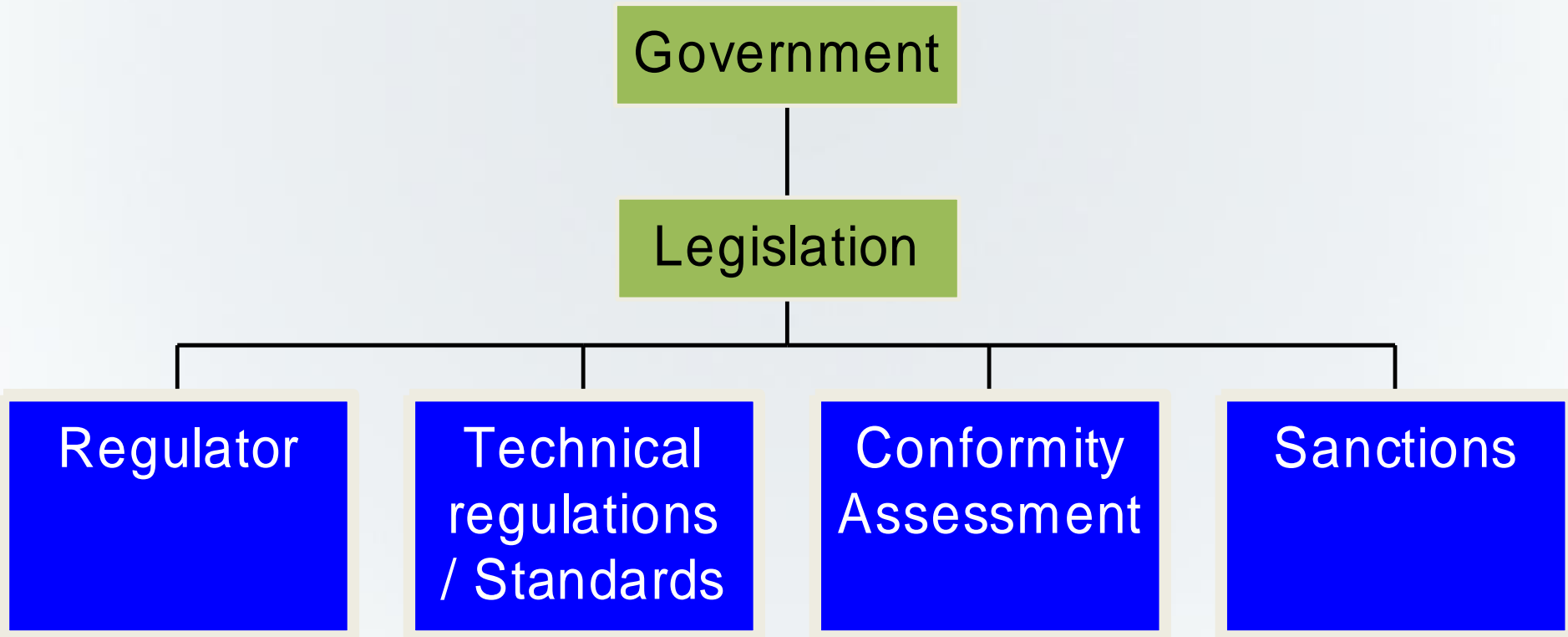
Why regulate?

- **Free market system**
- **Bad products or services rejected**
- **Advantage for producers of good products**
- **No incentive to produce bad products**
- **Competition in all markets**
- **Prices forced down by competition**
- **Only efficient producers survive**
- **Everyone is happy!**

The risks

- **Risk of oligarchies**
- **Risk of lowest quality fit for purpose**
- **Temptation to supply sub-standard products/services to stay in business**

Model of technical regulatory system



Government / Legislator

- **Applies to all levels of government**
- **National, provincial (state), municipal**
- **Covers products, services and actions**
- **Compulsory provisions needed**
- **Over and above the free-market system**
- **Private contracts are not regulations!**
- **National government is supreme authority in its territory**
- **Must respect commitments under international agreements**

Regulator

- **Established by law**
- **Legal entity, “juristic person”**
- **Powers and limitations are known**
- **Avoid conflict of interests with standards or CA systems**
- **Has implications on government structure**

Technical regulations / Standards

- **Regulator sets regulations**
- **Public enquiry**
- **Impact assessment**
- **Backed by government**
- **Includes**
 - **Purpose, scope, who is affected**
 - **Technical requirements to be complied with**
 - **Administrative provisions: Rules for samples, conformity assessment, sanctions**

Standards (WTO context)

- **WTO recommends**
 - **Use of relevant International Standards as a basis for technical regulations except**
 - **When such International Standards would be ineffective or inappropriate**
 - **For example, because of fundamental climatic or geographical factors or fundamental technological problems**



Conformity Assessment

- **Assess compliance with standards**
- **Operates separately and is different from sector to sector**
- **IEC operates 4 CA systems**

Adopt or not?

- **No obligation to adopt**
- **Parties can use “as is”**
- **But**
 - **May not be allowed by national law**
 - **No mechanism for indication of national deviations**
 - **Risk of legal challenges**
 - **Why have a standards body?**
- **Endorsement = Adoption**





Thank you

Gracias

شكرا

Спасибо

Teşekkür ederim

Cảm ơn bạn

σας ευχαριστώ

Kiitos

Merci

ขอขอบคุณคุณ

Dank u

با تشکر از شما

谢谢

감사합니다

Danke schön

Grazie

Köszönöm

ありがとう

Tack

Obrigado

धन्यवाद

Mulțumesc



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