



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Организация по Стандартам

IEC FORUM Sao Paulo 2003

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International Standard 60364

**Low Voltage Electrical Installations and
Protection against Electric Shock**



Differences between Standard and Specification

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- ▶ **Standard : basic requirement and principles**
- ▶ **Specification : how to apply basic requirement and principles taking into account special conditions**
e.g. type of construction

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Differences between :

- ▶ **Product Standard**
- and
- ▶ **Installation Standard**

The Story

- ▶ **1882** **United Kingdom**
- ▶ **1896** **Germany**
- ▶ **1897** **United States**
- ▶ **1911** **France (Electrical Contractors)**

- ▶ **1967** **IEC : To prepare :**
 Recommendations on
 fundamental principles concerning
 safety.

SAFETY PILOT FUNCTION

- ▶ **Work to be done in liaison with other technical committees**

Why to refer to IEC 60364 ?

- ▶ **Experience**
- ▶ **Expertise**
- ▶ **Stability**
- ▶ **Maintenance**

Essential Differences in Requirements (EDR)

- ▶ **EDR proposals :**
 - ▶ **Technical infrastructure - frequencies, voltages, currents, earthing systems**
 - ▶ **Climatic conditions**
 - ▶ **Other characteristics**
- ▶ **EDRs due to legal or regulatory provisions - informative annex**
- ▶ **“In some countries” notes, to be reviewed in 2 years time**

Maintenance and Revision

- ▶ **Numbering**
- ▶ **Editorial**
- ▶ **New Requirement : e.g. SPD's, EMI ...**
- ▶ **Part 7**

TC/SC Efficiency

- ▶ **SMB report is accompanied by statistics on :**
 - ▶ **The number of publications developed in the last 4 years**
 - ▶ **The current level of activity**
 - ▶ **The difference between the requested time to develop publications and the reality**
 - ▶ **The average development time**
- ▶ **Objective - to gauge the TC/SC efficiency**

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Conclusions

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Thanking you for your attention