

# **Standards Development Process and Status in China**

**National Lighting Test Centre**

**WANG Jing**

**LIU Qian**

**HUA Shuming**

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Tel: 86-10-67708989

Fax: 86-10-67761445

Email: [wangj@nltc.cn](mailto:wangj@nltc.cn)



# Outline

- **What is the current use of IEC standards within China?**
- **Who in China is responsible for IEC both at a high level and for lighting in particular?**
- **Who initiates the development of test standards and who goes to the IEC meetings?**
- **Which organisation are involves in the standards development process and what is the normal development timeframe?**
- **What is the current status of lighting standards and the timetable for likely revisions?**





# What is the current use of IEC standards within China?

- **Chinese Government encourage to adopt IEC standards and support the relevant institutions to attend IEC activities**
- **Lighting Industry**
  - **Almost all safety standards of lighting applications equate to IEC standards**
  - **Performance**
    - **Model defined closely to IEC**
    - **No defined requirements for performance specifications in IEC standards, so they are established by ourselves**
    - **There are few IEC test method standards, which were mainly established by ourselves**





# Who in China is responsible for IEC both at a high level and for lighting in particular?

- **Standardization Administration of the People's Republic of China – National Standards**
- **Ministry of Industry and Information Technology – Industry Standards**
- **National Development and Reform Commission & Ministry of Science and Technology – Regulations**
- **National Technical Committee on Lighting of Standardization Administration**
  - **IEC TC34/SCA,B,C lighting sources and their accessories sub-committee**
  - **IEC TC34/SCD Luminaries sub-committee**
  - **CIE Division 2 measurement sub-committee**
  - **CIE others illumination basis sub-committee**



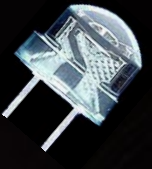


# **Who initiates the development of test standards and who goes to the IEC meetings?**

- **It is normally suggested by the manufacturers and government institutions to develop the standards**
- **Lighting sub-committees make the plans of the development and report to lighting committee**
- **For national standards, then report to Standardization Administration of the People's Republic of China**
- **For industry standards, then report to CALI and Ministry of Industry and information Technology**
- **For Regulations, then report to NDRC and MOST and would be drafted by their appointed institutions**
- **The test standards is usually initiated by test institutions (such as NLTC)**







# Who initiates the development of test standards and who goes to the IEC meetings?

- A lot of people have participated in IEC meetings
- NLTC has participated in the IEC discussions
  - Mercury test method
  - CFL and LED IEC meetings



# **Which organisations are involved in the standards development process and what is the normal development timeframe?**

- The main manufacturers in China usually the mostly involved in the Chinese standards development
- Typically, at least one year is needed to draft a standard
- Another one year is needed for examination and approval.
- Last year, the standards developed too fast, which might effect their quality. Therefore this year government will pay more attention to the quality of standards.
- For CFL performance standard, as there is no IEC or other standards for reference, it was drafted by NLTC (in 1996)



# **What is the current status of lighting standards and the timetable for likely revisions?**



- **Almost all IEC safety standards transformed to be Chinese standards quickly**
- **China is paying more attention to IEC standards**
- **What China mostly focus on is LEDs**
  - **The test method research is very important**
  - **It would be better not to make more performance standards too early**
  - **NLTC drafted some relevant LED regulations, which will be updated at least each six months**





# What is the current status of lighting standards and the timetable for likely revisions?

- China attaches importance to international cooperation for the standards
- NLTC think much of the standard harmonization, however the precondition is the united of the test method and evaluation method
- LED Street lighting specification has been published
- At the end of this year, other LED specification will also come out
- The LED lighting test method and evaluation method are under research





# THANKS!

**Tel:** 86-10-67708989  
**Fax:** 86-10-67761445  
**Email:** [wangj@nltc.cn](mailto:wangj@nltc.cn)

