



# **VIETNAM STADARDS DEVELOPMENT PROCESSES AND STATUS**

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**1. ASEAN's policy**

**2. Vietnam's policy**

**3. How to develop Vietnamese standards (TCVNs)?**

**4. Lighting standards**

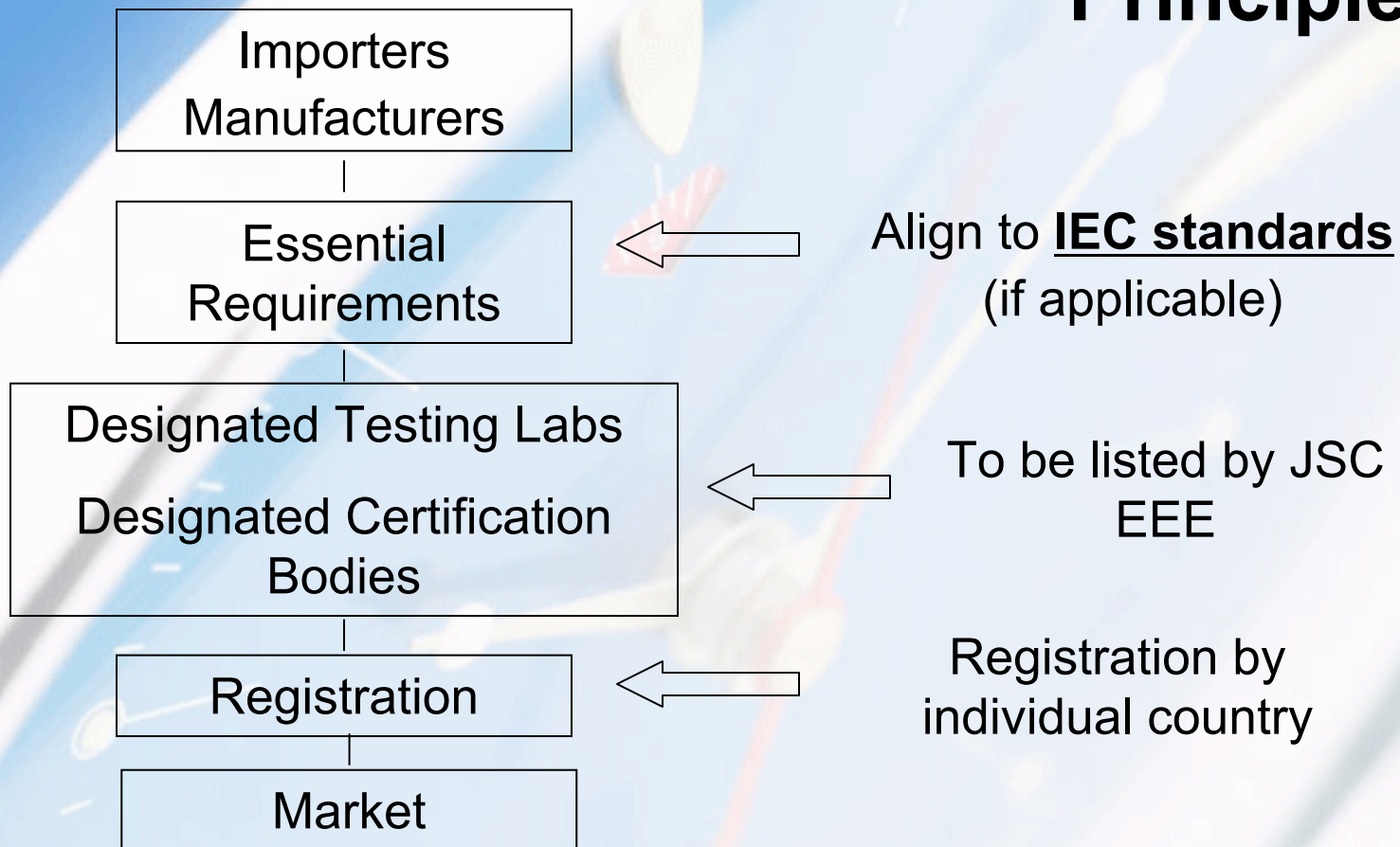
## **ASEAN's POLICY**

### ***ASEAN agreement on Harmonization Electrical and Electronic Equipment Regulatory Regime (AHEEERR)***

- ***Signed in December 2005***
- ***To be effective in January 1<sup>st</sup>, 2011***
- ***Objective: to create a ASEAN common market of EEE***

# ASEAN EEE AGREEMENT

## Principle





# **ASEAN EEE AGREEMENT**

## ***Essential requirements for EEE***

- ***Safety***
- ***Electromagnetic Compatibility***
- ***Environment (e.g. energy efficiency)***

# **ASEAN EEE AGREEMENT**

## ***Product Certification System***

- ***Medium Risk EEE -> System 1***  
***(type testing)***
- ***High Risk EEE -> System 5***  
***(type testing + Factory Inspection)***



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## **VIETNAM's POLICY**

- ***Priority to adopt IEC as Vietnamese standards (since 2006)***
- ***Result: 270/400***



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## **HOW TO DEVELOP VIETNAMESE STANDARDS (TCVNs)?**

- **Technical committee method**
- **All organizations, individuals have right to make proposal and participate in TCVN development process**
- **1 year (including preparation of working draft, committee draft, circulation for comments, formulation and approval)**



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# **LIGHTING STANDARDS**

There are 27 lighting standards in Vietnam:

- 6 TCVNs Lamp controlgear (IEC 61347)
- 5 TCVNs Luminaires (IEC 60598)
- 10 TCVNs on Lamps
- 2 TCVNs on Ballasts
- 2 TCVNs on lampholders
- 1 TCVN on starters
- 1 TCVN on Auxiliaries

# **LIGHTING STANDARDS**

There are 5 TCVNs on Energy Efficiency of lighting equipment:

1. TCVN 7451-1 : 2005, High efficiency lighting products – Part 1: Minimum energy performance
2. TCVN 7451-2 : 2005, High efficiency lighting products – Part 2: Methods for determination of energy performance
3. TCVN 7896: 2008, Compact fluorescent lamps – Energy efficiency
4. TCVN 7897: 2008, Electronic ballasts for fluorescent lamps – Energy efficiency
5. High pressure sodium lamps – Energy efficiency (ongoing)



***Thank for your attention!***

***Q & A***