

# **Proposed Framework of IEC Electrical Energy Efficiency (EEE) Labeling Program**

**4 December 2012**

**IEC/APSG Seminar @ Singapore**

**Toshiyuki Kajiya**

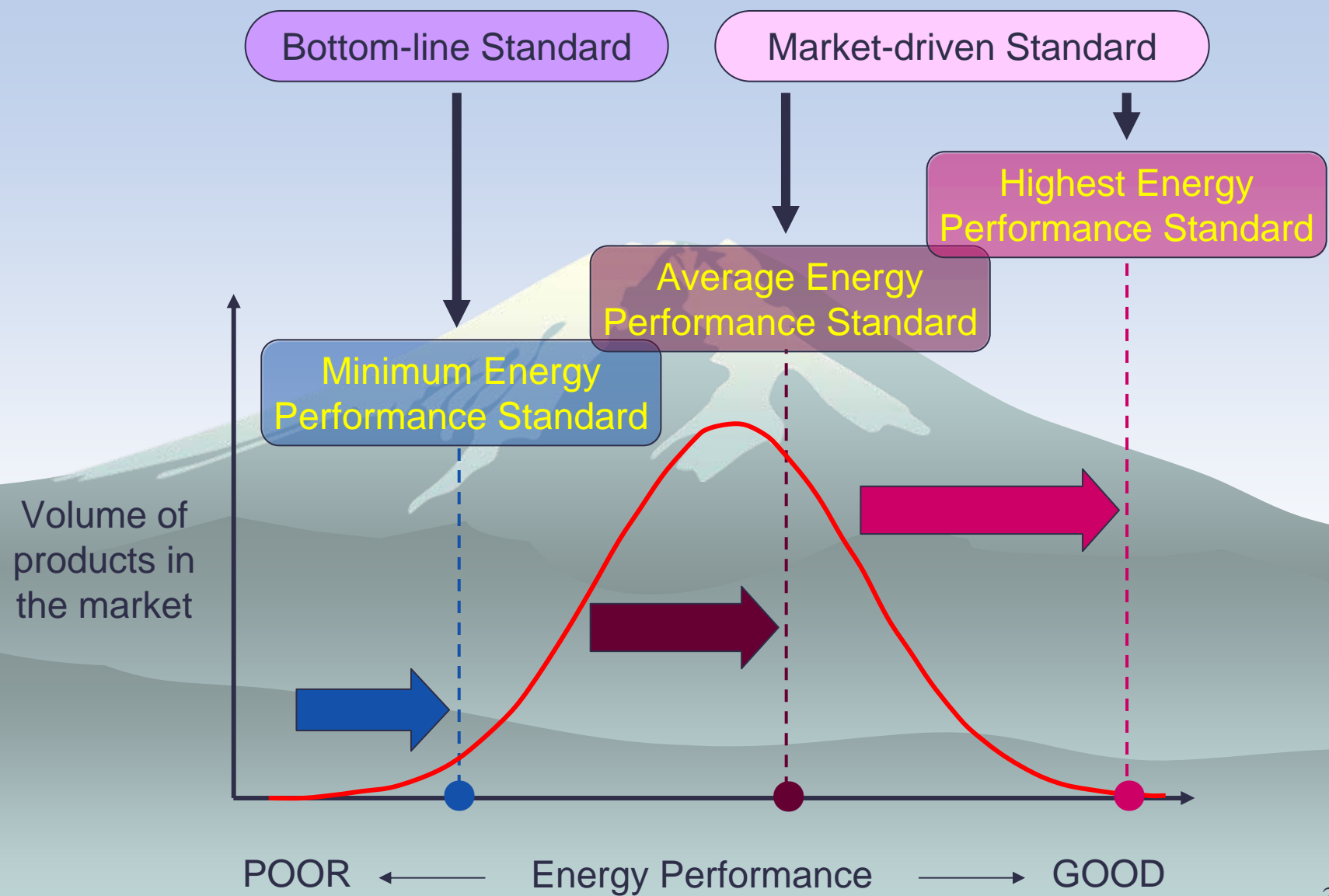
**A Member of**

**IEC Conformity Assessment Board (CAB)**

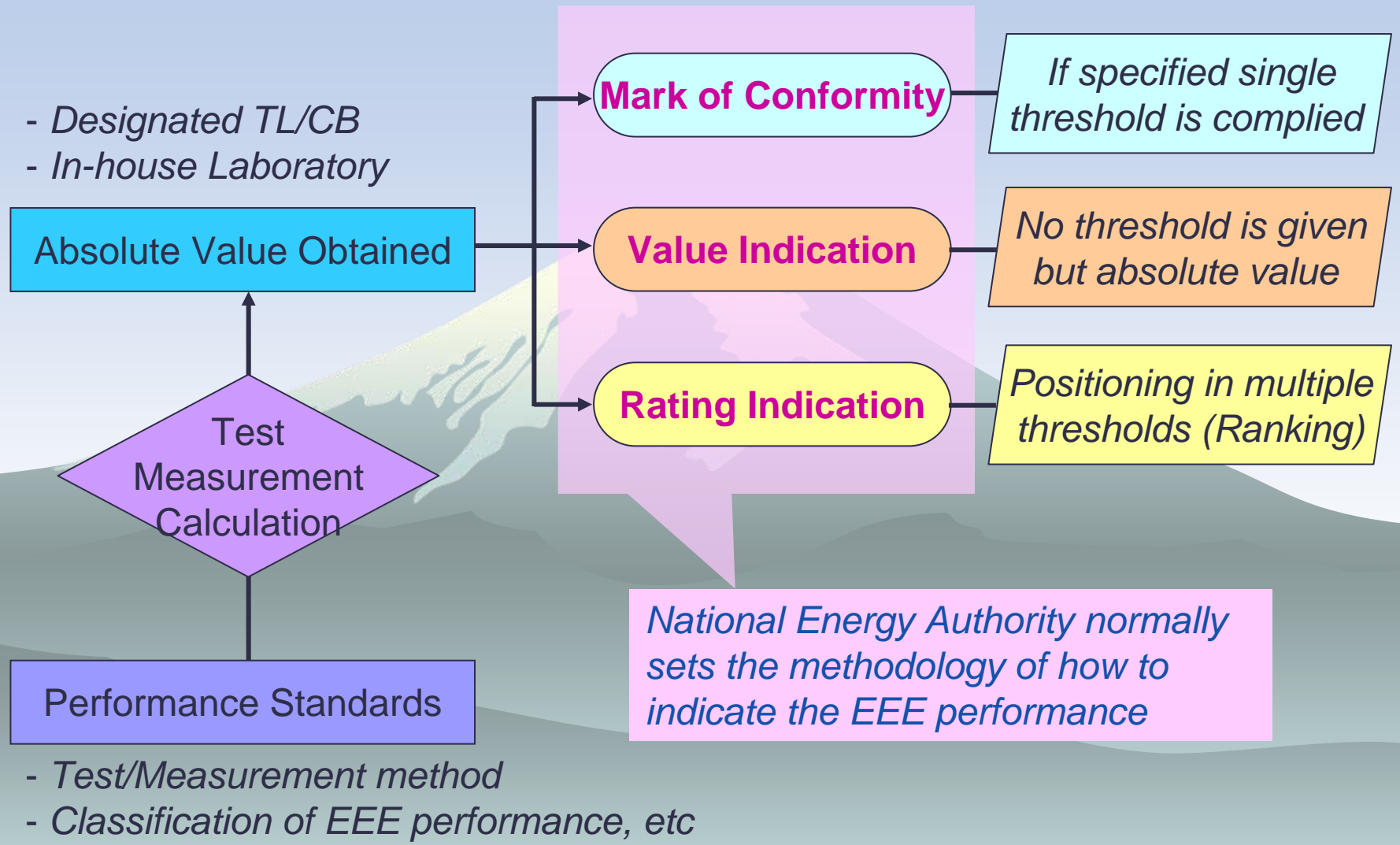
**Convener of WG12**



# Existing EEE Performance Criterion



# Existing EEE Performance Indications



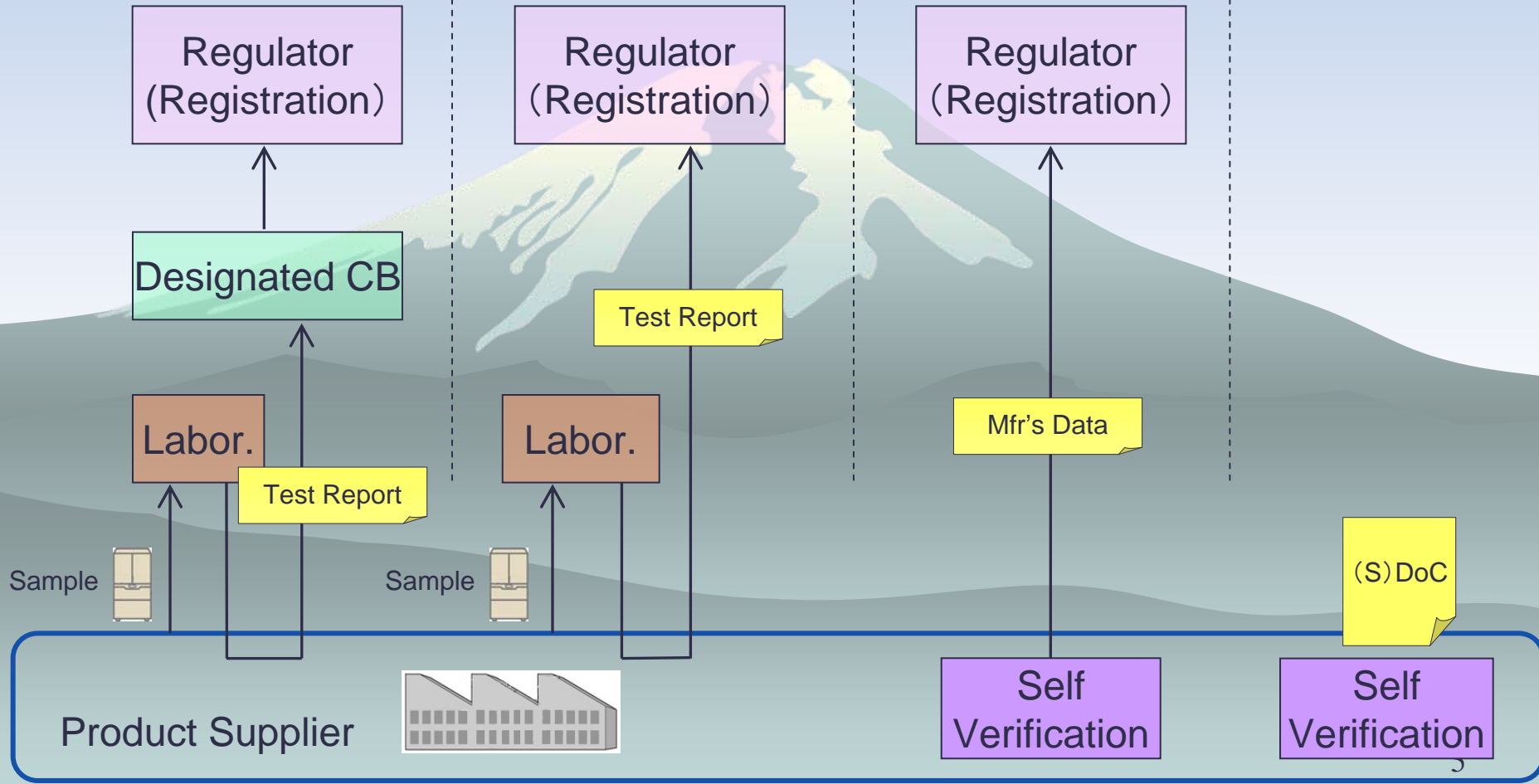
# IEC Existing Difference in CA Procedures

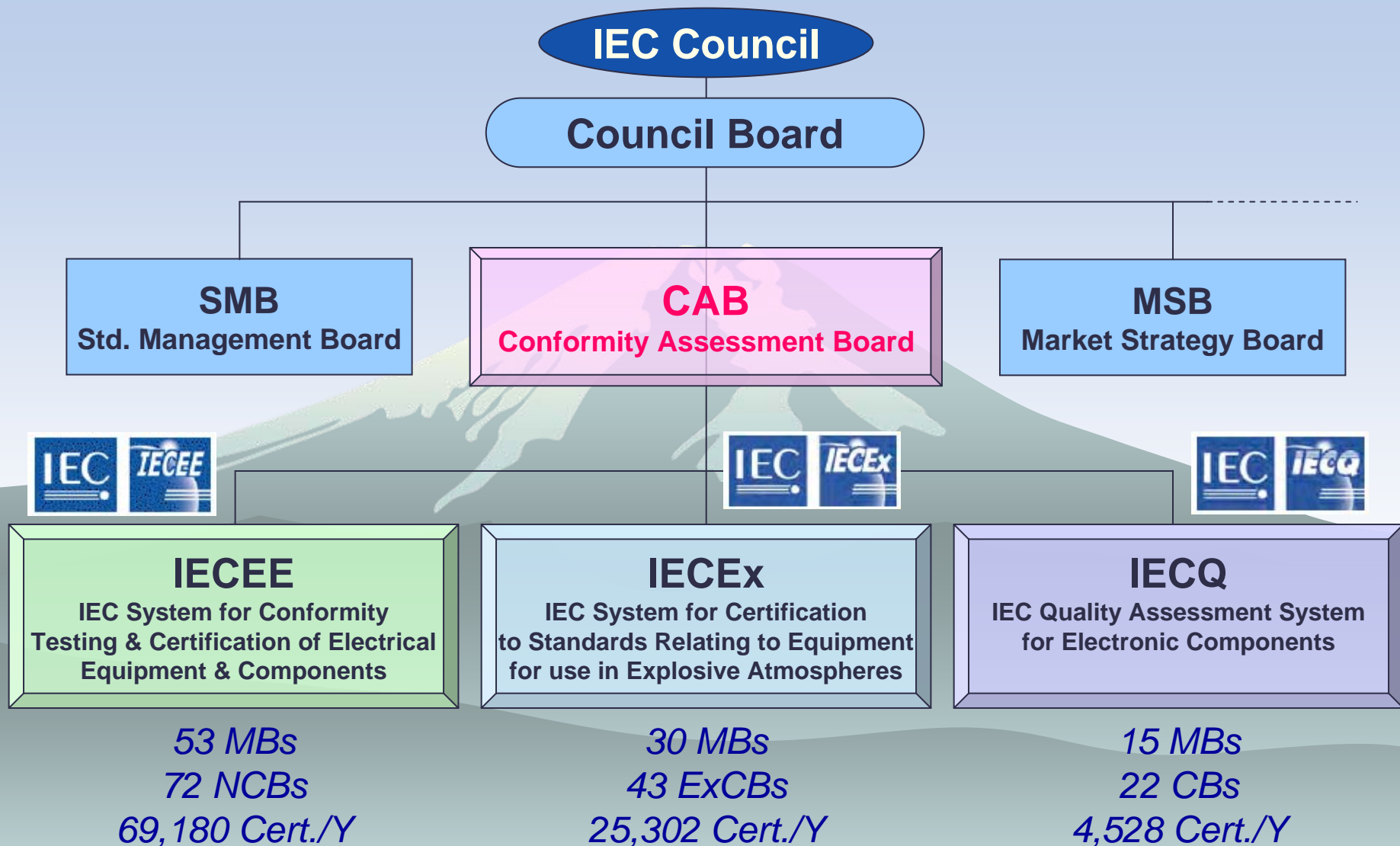


- AU  
 BR  
 CN  
 MX
- PH  
 SG  
 TH  
 MY

- ESP (Except US)
- FTC Labeling

- ErP Directive
- Toprunner Program





\* Figures are extracted from annual report to CAB Oslo meeting 2012

- ▶ *National energy-saving policy is encouraging the marketing of energy efficient products by developing unique energy labeling program.*
- ▶ *There is a need for harmonization of EEE labels from industries to facilitate their global trade*

## **Decision 31/10:**

### ***Global electrical energy efficiency labeling program framework***

**The CAB requests WG 12, in conjunction with expertise to be provided by NCs on each country's existing energy efficiency labeling scheme and the Affiliate Country Program for the needs of countries without such a scheme, to develop the framework for a global energy efficiency labeling program. Any concrete proposals for methods, services or labels should be developed depending on market demand and availability of suitable standards to provide a common technical basis.**

**Convener: T. Kajiya/JP**

**Member : P. de Ruvo/IECEE Secretariat as System Advisor**

**M. Brenon/FR, representing IECQ as System Advisor**

**K. McManama/US, representing IECEx as System Advisor**

**G. Fredriksson/SE, representing IECEE**

**L. M. da Locha/BR**

**S. Paulsen/CA**

**T. Fisher/DE**

**J.- P. Isnard/FR**

**S. H. Paik/KR**

**S. E. Hartquist/US**



## Ultimate Goal

*Contribution to the efficient use of electrical energy on a global basis, providing electrical & electronic products with common demonstration means based on the standardized energy efficiency labeling program within the framework of IEC Conformity Assessment Systems.*

A large, blue, downward-pointing arrow is centered on the page, pointing from the 'Ultimate Goal' section to the 'Tactics & Action' section.

## Tactics & Action

*CAB WG12 compiles the document “Framework on Global Electrical Energy Efficiency (EEE) Labeling Program” as guidelines for the IEC affiliate countries and other developing countries/regions that have no national EEE labeling programs and have a plan to develop, or to improve the programs for their global trade facilitation.*

## ◆ **Target scope of product**

*Products whose IEC (partly ISO) performance standards exist, mainly focused on the household appliances (IEC TC 59) and others, as appropriate for the purpose.*

## ◆ **Energy performance standards & criteria**

*MEPS (Minimum Energy Performance Standard) is most appropriate for IEC standardization purpose, based on the testing standards describing the methodology.*

## ◆ **Conformity assessment procedure**

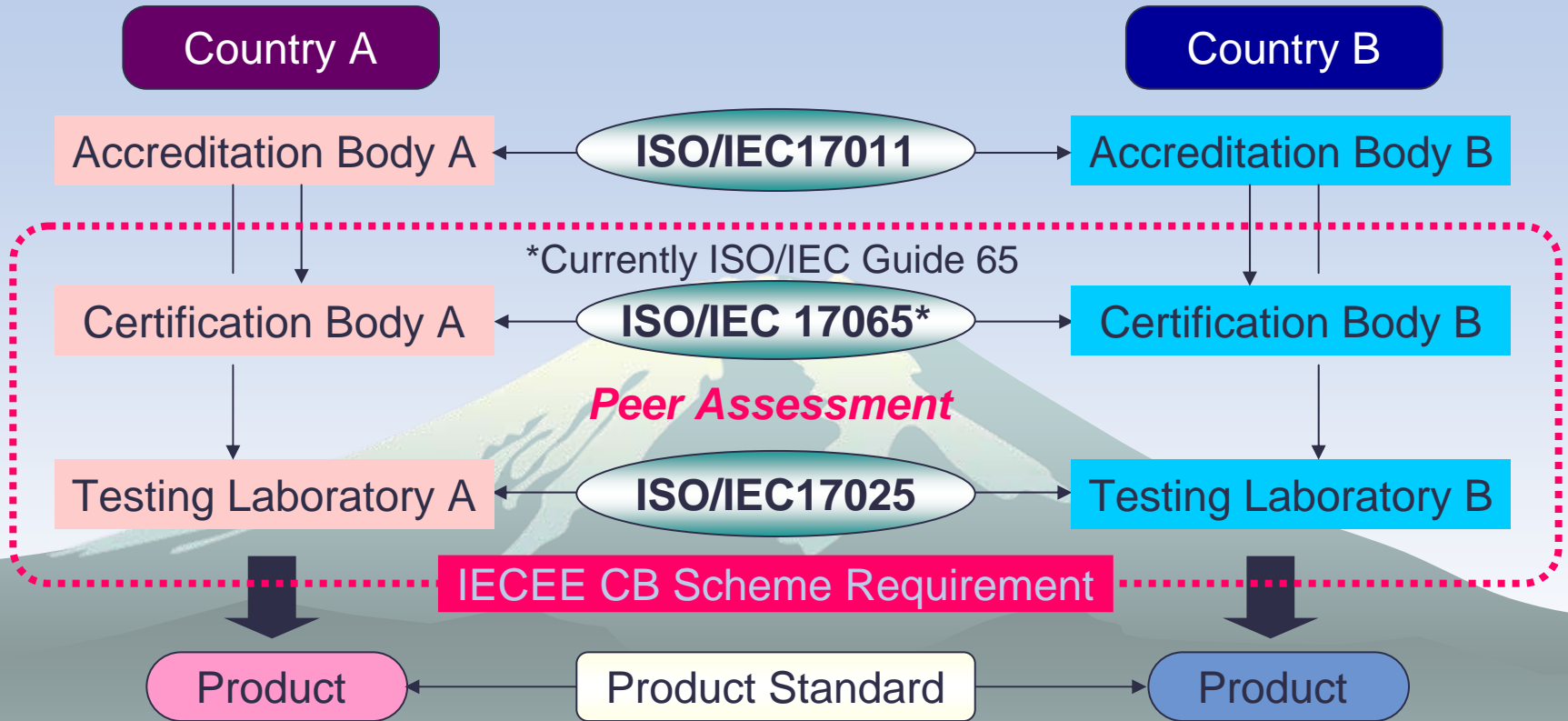
*1) Compliance with ISO/IEC 17025 for bodies performing EEE testing, including manufacturer's in-house laboratory, and ISO/IEC 17065\* for bodies issuing certificates where applicable*

*\* Currently ISO/IEC Guide 65, to be changed to ISO/IEC17065 within 3 years*

*2) Outcome of testing is drawn up in an unified test report and is used for securing supplier's accountability to parties outside, or for product certification purpose where applicable*

*3) IECEE STR issuing service (outlined in next page) is considered as satisfying the items 1) & 2) above*

# Mutual Recognition Mechanism of CA Result

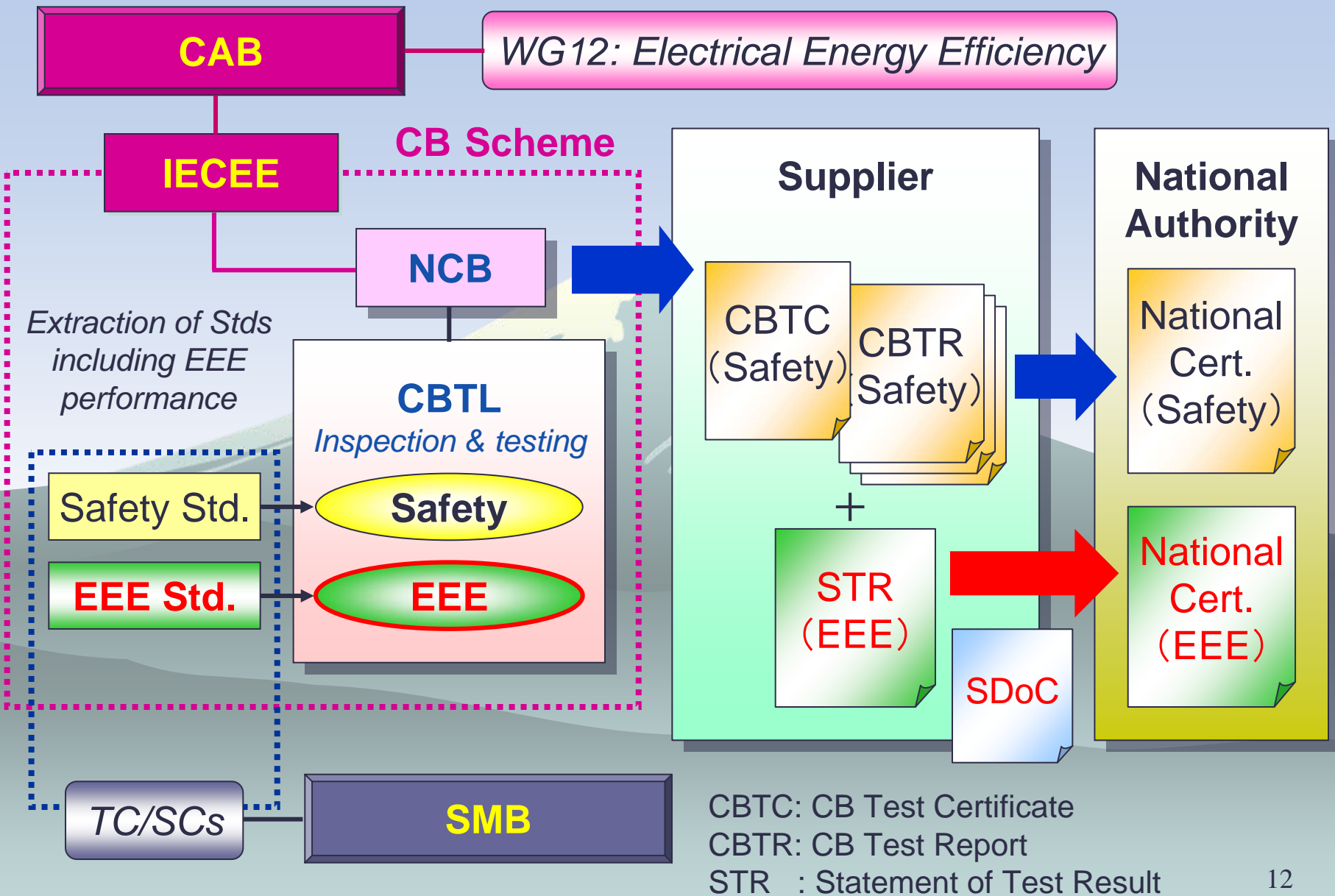


**ISO/IEC 17011: General requirements for accreditation bodies accrediting conformity assessment bodies**

**ISO/IEC 17065: Requirements for bodies certifying products, processes & services**

**ISO/IEC 17025: General requirements for the competence of testing & calibration laboratories**

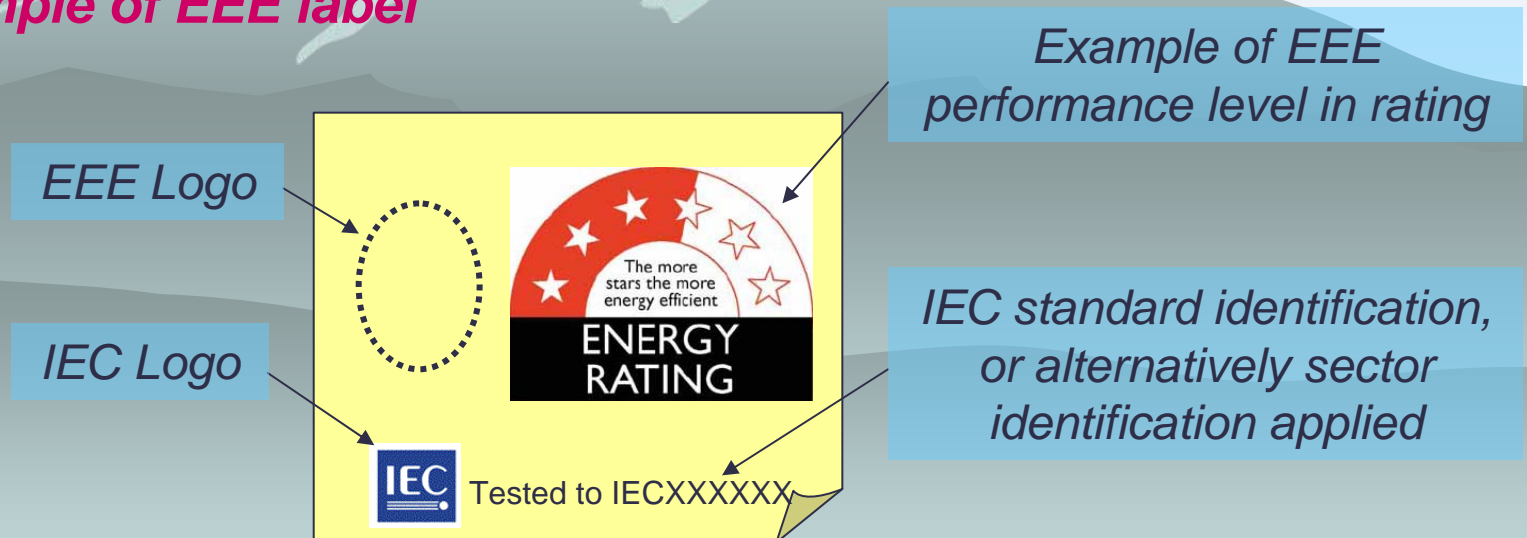
# Optional EEE STR Service in IECEE



## ◆ Contents of EEE label

- 1) Existing IEC logo
- 2) EEE logo (design to be decided by IEC/CO)
- 3) Identification of IEC standard(s) applied
- 4) EEE performance level in rating by number or other graphical means, showing the position of product type tested to be placed within multiple thresholds specified in the standard or other normative document

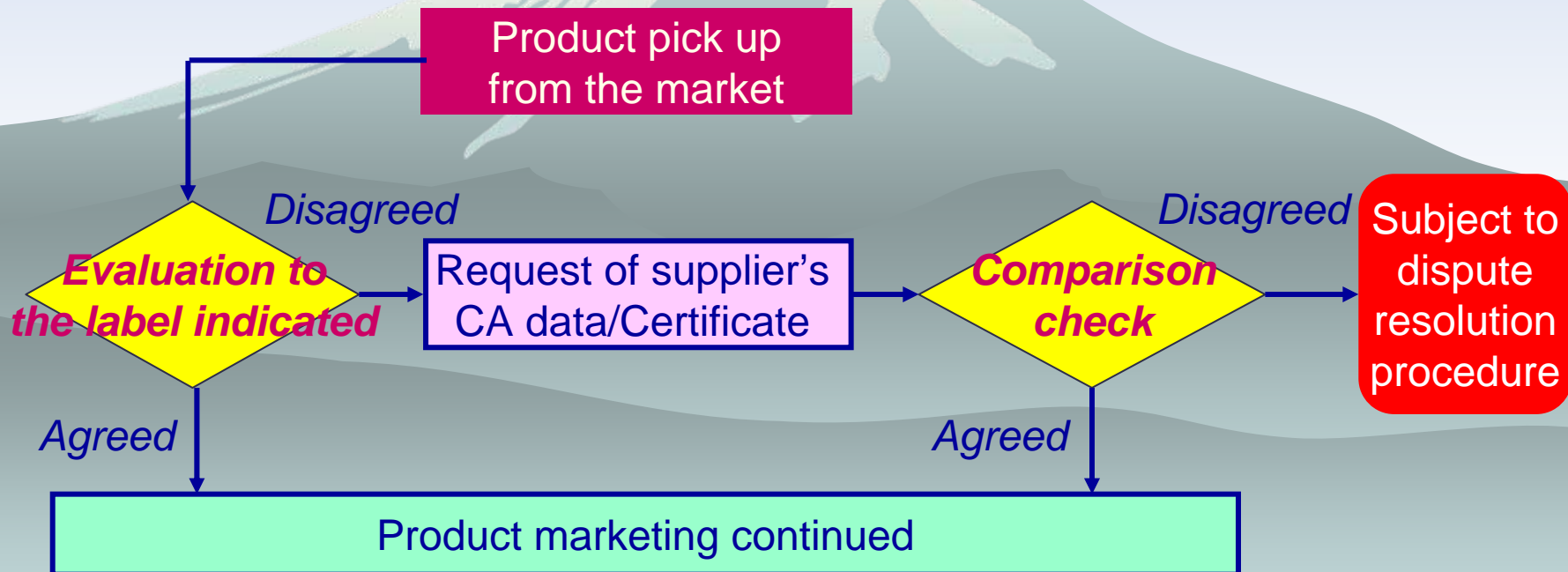
## ◆ Example of EEE label



## ◆ *Conformity supervision*

*Conformity supervision by the authoritative body is essential part of EEE labeling program in order to maintain its sustainable credibility , regardless of regulatory or voluntary program. For this purpose, national authority may adopt “System 5” in ISO/IEC Guide 67 for certification.*

## ◆ *Example of procedure*



*If you have any query or comment,  
feel free to let me know !*

**Thank you for your attention**

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