

IEC vs Myanmar vs Electrical and Electronic Equipment Standards

ဦးအေးကို
ဒုတိယ ညွှန်ကြားရေးမှူး
လျှပ်စစ်စစ်ဆေးရေးဌာန
မန္တလေးတိုင်းဒေသကြီးစက်မှုကြီးကြပ်ရေးနှင့်စစ်ဆေးရေးဦးစီးဌာန
စက်မှုဝန်ကြီးဌာန။

Topic Present

- **ASEAN History**
- **ASEAN EE MRA**
- **ASEAN Harmonized EEE Agreement**
- **ASEAN Harmonized EEE Regime**
- **ASEAN EE MRA VS. AHEEER**
- **JSCEEE VS. Electrical Inspection Department**

Topic Present

- **ASEAN History**
- **ASEAN EE MRA**
- **ASEAN Harmonized EEE Agreement**
- **ASEAN Harmonized EEE Regime**
- **ASEAN EE MRA VS. AHEEER**
- **JSCEEE VS. Electrical Inspection Department**

Association of South East Asian Nations

ASEAN on August 8th 1967 - Bangkok Declaration

- Indonesia
- Malaysia
- The Philippines
- Singapore
- Thailand

- Brunei – 7-1-1984
- Vietnam – 28-7-1995
- Laos & Myanmar
- 23-7-1997
- Cambodia – 30-4-1999



PEACE
STABILITY
COURAGE
DYNAMISM
PURITY
PROSPERITY

ASEAN 10 – 1999

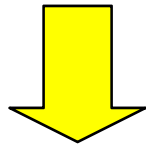
10 NATIONS 1 ONE COMMUNITY

ASEAN ECONOMIC COMMUNITY

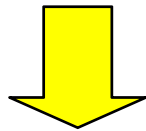
“single market & single production base”

**“free flows of goods / services / investment/
skilled labors / free flow of capital”**

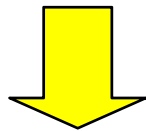
AFTA



Free Trade Area

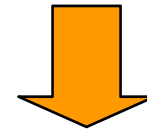


Mutual Recognition



ASEAN EE MRA

AEC



Single Market



Harmonization



AHEEERR

ACCSQ 1992

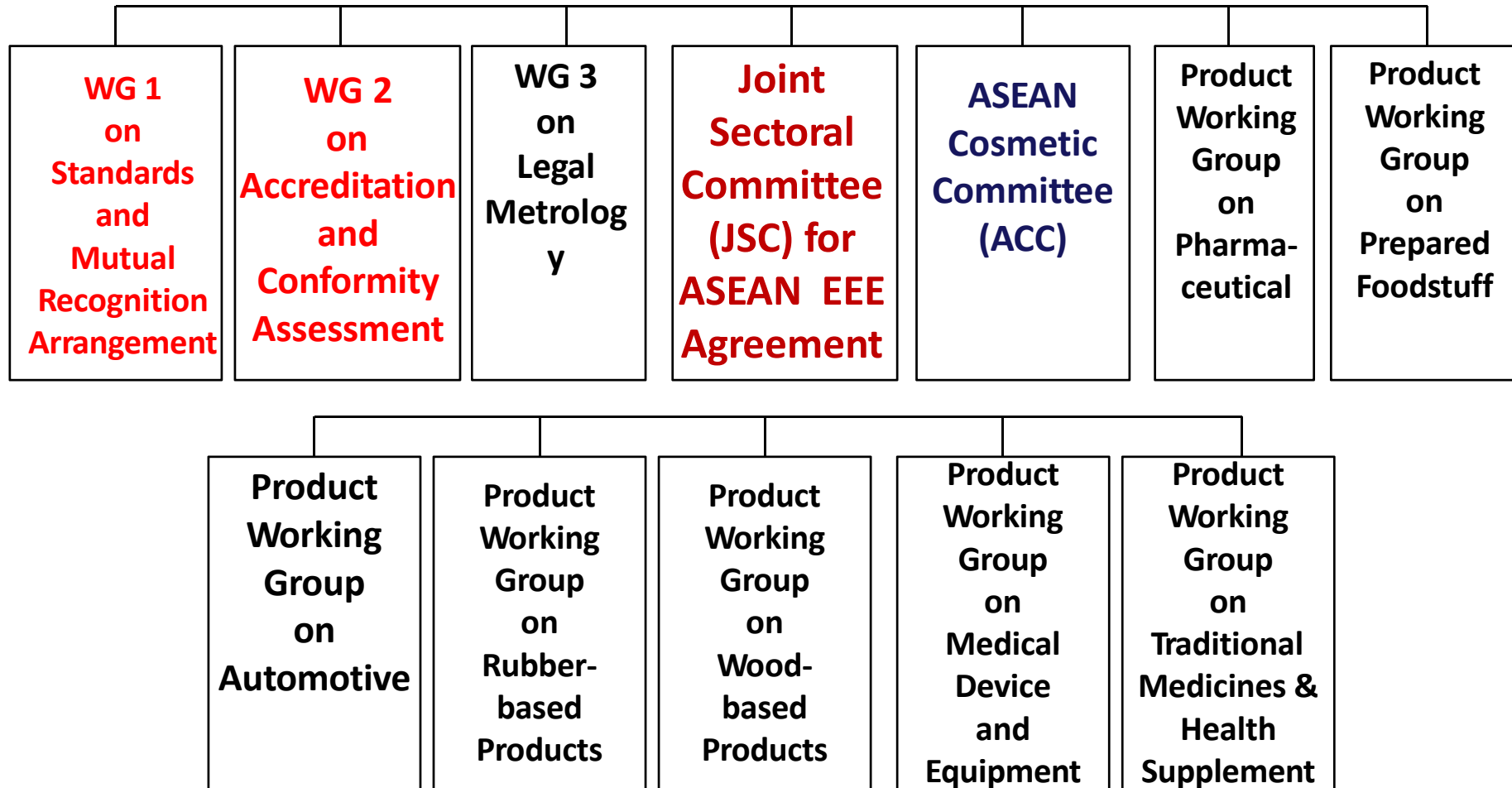
ASEAN

**Consultative
Committee for
Standards and
Quality**

EPWG

Electrotechnical
Product
Working
Group

ATFWP(ASEAN Trade Facilitation Work Program) - 12 WGs/PWGs



Harmonization of Technical Barriers to Trade (Standards)

- ASEAN Policy Guideline on Standards and Conformance
(ISO/IEC Guide 21 & Annex 3 of the WTO/TBT Agreement)
- ASEAN Good Regulatory Practice Guide

Standards		
Sectors	Corresponding standards	Outcome of harmonization
Electrical and electronics - Electrical appliances - Electrical safety - EMC	ISO and IEC	139 harmonized standards (119-EEE Harmonized Stds)
Rubber-based products	ISO	3 harmonised standards
Pharmaceuticals	International Conference on Harmonisation Requirements (ICH)	ASEAN Common Technical Dossiers (ACTD) ASEAN Common Technical Requirements (ACTR)

Harmonization of (Technical regulations & MRA)

Technical Regulations	
Electrical & Electronics	ASEAN Harmonised Electrical and Electronic Equipment Regulatory Regime signed on 9 December 2005
Cosmetics	ASEAN Harmonised Cosmetic Regulatory Scheme signed on 2 September 2003.
Mutual Recognition Arrangements	
Electrical & Electronics	ASEAN Electrical and Electronic Mutual Recognition Arrangement (ASEAN EE MRA) signed - 5 April 2002
Cosmetics	ASEAN Mutual Recognition Arrangement of Product Registration Approvals for Cosmetics signed on 2 September 2003
Pharmaceuticals	Sectoral MRA on Good Manufacturing Practice

Harmonisation of technical barriers to trade

Standards

Technical Regulations

Conformity Assessment Procedures

ASEAN Policy Guideline on Standards and Conformance

- ISO/IEC Guide 21
- Annex 3 of the WTO/TBT Agreement

ASEAN Good Regulatory Practice Guide

Standards		Technical Regulations	
		Electrical & electronics	AHEEERR signed on 9 December 2005
Standards		Mutual Recognition Arrangements	
Sectors	Corresponding standards	Outcome of harmonization	Electrical & electronics
EE - E Appliances - Electrical safety - EMC	ISO & IEC	119 harmonised standards	ASEAN EE MRA signed on 5 April 2002

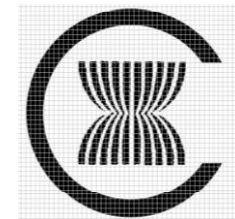
Post-market surveillance system

ASEAN Cosmetics Directives to be implemented by **AMCs** by 1 January 2008
A move from the traditional and preferred approach of pre-market approval to the new approach of post-market surveillance.

Post marketing alert system for defective or unsafe medical device

ASEAN Conformity Mark

A regional third- party mark of conformity
to indicate that a product is in conformity with
the particular ASEAN Harmonized Technical
Regulations/ Requirements specified under the
relevant ASEAN Agreements



ASEAN Framework Agreement on Mutual Recognition Arrangements

.....signed on **16 December 1998**

.....general principles for developing sectoral MRAs

.....an important means of eliminating TBT

.....enhancing intra-ASEAN market access

Three sectoral MRAs have been developed

**Electrical and
electronics**

Cosmetics

Telecommunications

ACCSQ 'S DECISIONS ON MRAs

25th Meeting of ACCSQ, 9-10 March 2005, Vientiane

.....agreed on basis of developments of ASEAN MRAs

.....designed to facilitate intra-ASEAN trade for the realisation of AFTA

.....products subject to mutual recognition in ASEAN MRAs are manufactured in ASEAN by an AMC.

.....for products manufactured by a country outside ASEAN, the recognition of the test reports and certificate would be subjected to agreement by AMCs concerned and that particular country outside ASEAN.

ACCSQ - Partners

JAPAN

- ASEAN Standards and Conformance Cooperation Program
- ASEAN-Japan Standards and Conformance E-Center

EU

- The EU-ASEAN Economic Cooperation Programme on Standards, Quality and Conformity Assessment
- Trans-Regional EU-ASEAN Trade Initiative (TREATI)
- ASEAN Programme for Regional Integration Support (APRIS)

CER

- MOU on Standards and Conformance
- ASEAN-Australia Development Cooperation Programme (AADCP)
- New Zealand Metrology Cooperation

US

- MOU on Trade related Standards and Conformance Issues
- ASEAN-US Enhanced Partnership (AEP)

KOREA

- Framework Agreement on Comprehensive Economic Cooperation Among ASEAN and Korea

CHINA

- ASEAN-China Proposal on Contact Point and Priority Cooperation Areas on Standardization

ELECTRICAL AND ELECTRONICS SECTOR

ASEAN EE MRA

ASEAN Electrical and Electronic Mutual Recognition Arrangement

.....signed on 5 April 2002@ Bangkok

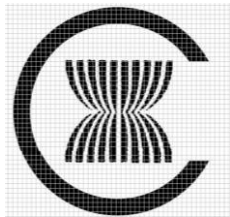
**..... all AMCs have notified participation in
Recognition of test reports**

ASEAN HARMONIZED ELECTRICAL AND ELECTRONIC EQUIPMENT REGULATORY REGIME - AHEEER

.....signed on 9 December 2005

..... eliminate restrictions to trade of EEE in ASEAN

..... leading to a single regulatory regime



.....facilitate the negotiations for MRAs on
Conformity Assessment between
ASEAN and other countries
or group of countries/blocs

JSC EE MRA Taskforce

on Harmonization of **EEE Regulatory Regime**

• March 2004	3rd JSC Meeting;	Taskforce was formed
• May 2004,	1st Meeting;	Principle of Harmonization
• September 2004,	2nd Meeting;	1 st Draft Agreement
• November 2004,	3rd Meeting;	2 nd Draft Agreement
• January 2005,	4th Meeting;	3 rd Draft Agreement
• March 2005,	5th Meeting;	4 th Draft Agreement
• May 2005,	6th Meeting;	5 th Draft Agreement
• July 2005,	7th Meeting;	6 th Draft Agreement
• August 2005,	26th ACCSQ Meeting;	Revised 6 th Draft Agreement
• October 2005,	1st Special Meeting;	-
• November 2005,	2nd Special Meeting;	Final Draft Agreement
• December 2005,	AEM Meeting;	Agreement was signed

- **January 2011, Agreement fully implemented !**

- Objectives : Together acceptance

> Test Reports

> Certification

Relevants Product;

(Mandatory standard, Regulated Products)

- Test Report from Testing Lab
- Certification from Certification Body

Listed under ASEAN EE MRA

Testing Body >> ISO/IEC 17025

Certification Body >>
ISO/IEC Guide 65

JSC EE MRA

Advise for Implementation

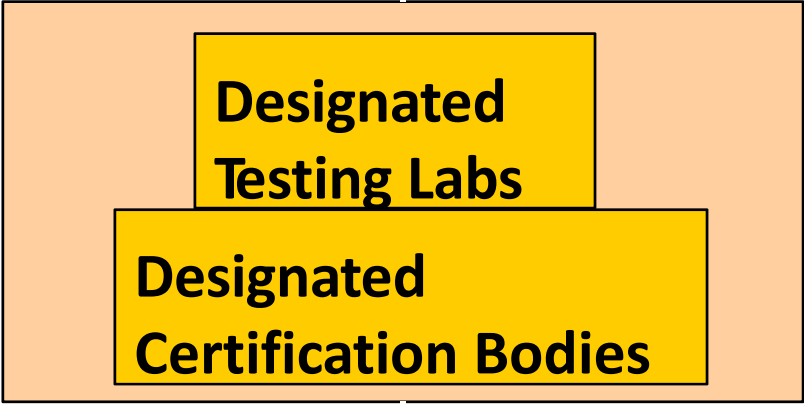
List of CAB & Listed LAB by ASEAN EE MRA

AMS Country	Acceptance Condition	Listed Testing Lab	Listed CB-TL
Brunei	Test Report & Cert.	-	-
Cambodia	Test Report & Cert.	-	-
Indonesia	Test Report & Cert.	6	5
Lao	Test Report & Cert.	-	-
Malaysia	Test Report	1	1
Myanmar	Test Report & Cert.	-	-
Philippine	Test Report	2	-
Singapore	Test Report & Cert.	4	1
Thailand	Test Report	6	1
Vietnam	Test Report & Cert.	2	1
TOTAL		21	9

Source: Update data from (24th JSCEEE Meeting)

**Importers,
Manufacturers**

**Essential
Requirements**



Registration

One Mark

Market



EE MRA Principle align to IEC Standards

To be listed by JSC EE MRA

Registration by individual country

ASEAN Conformity Mark

Elements of the ASEAN Harmonized EEE Agreement

- Essential Requirements for EEEs

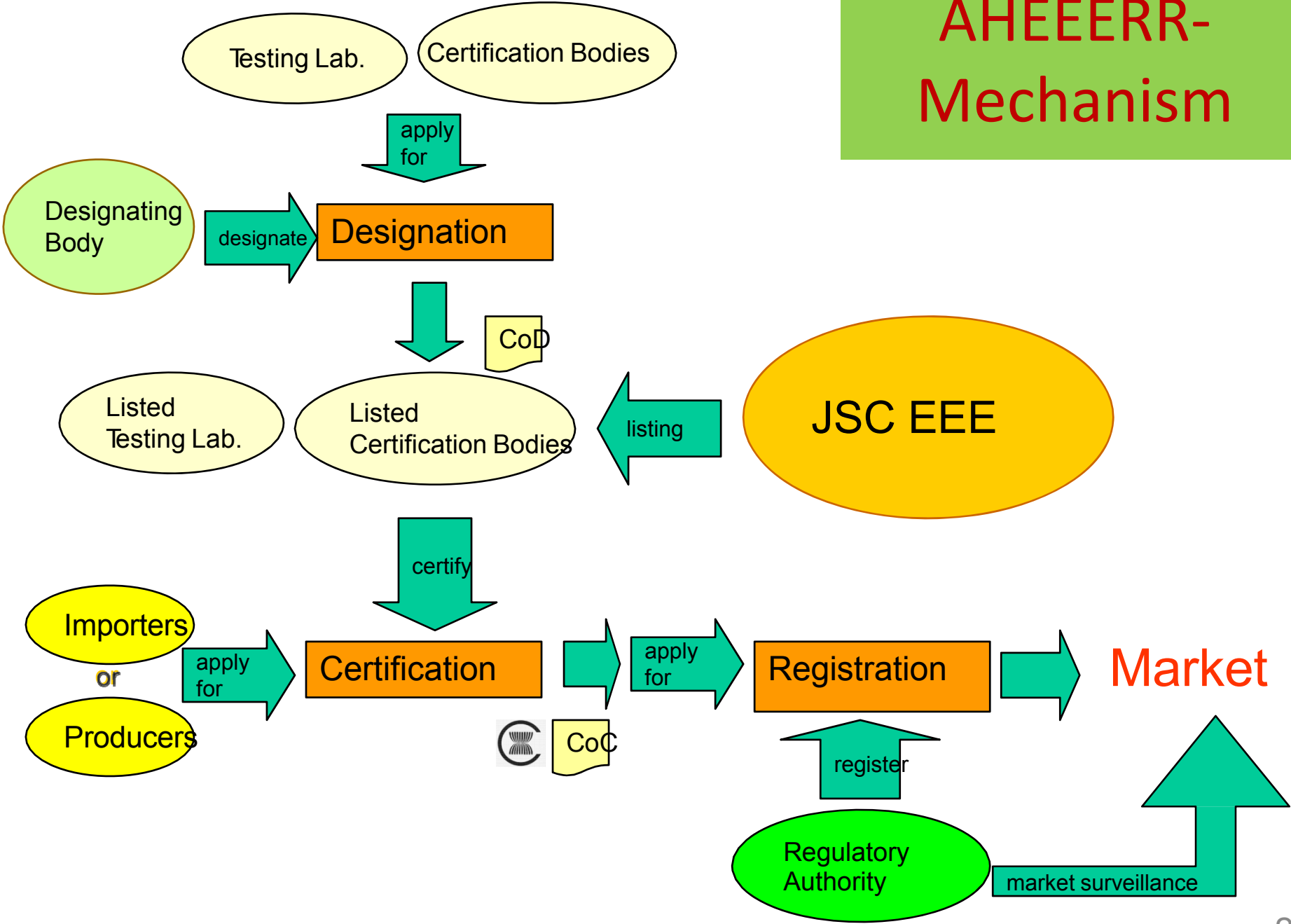
- Safety
- Environment
- Electromagnetic Compatibility (EMC)

- Conformity Assessment Procedures & Registration of EEEs

- Registration of EEEs
&
• Designation of CABs

- Designation of CABs

AHEEERR- Mechanism



Certification System

- **Low Risk EEEs** → System 1 (Type 1 a)
[Type Testing]
- **High Risk EEEs** → System 5 (Type 5)
[Type Testing + Quality System Assessment + Surveillance]

2 Specified Category

ISO/IEC GUIDE 65



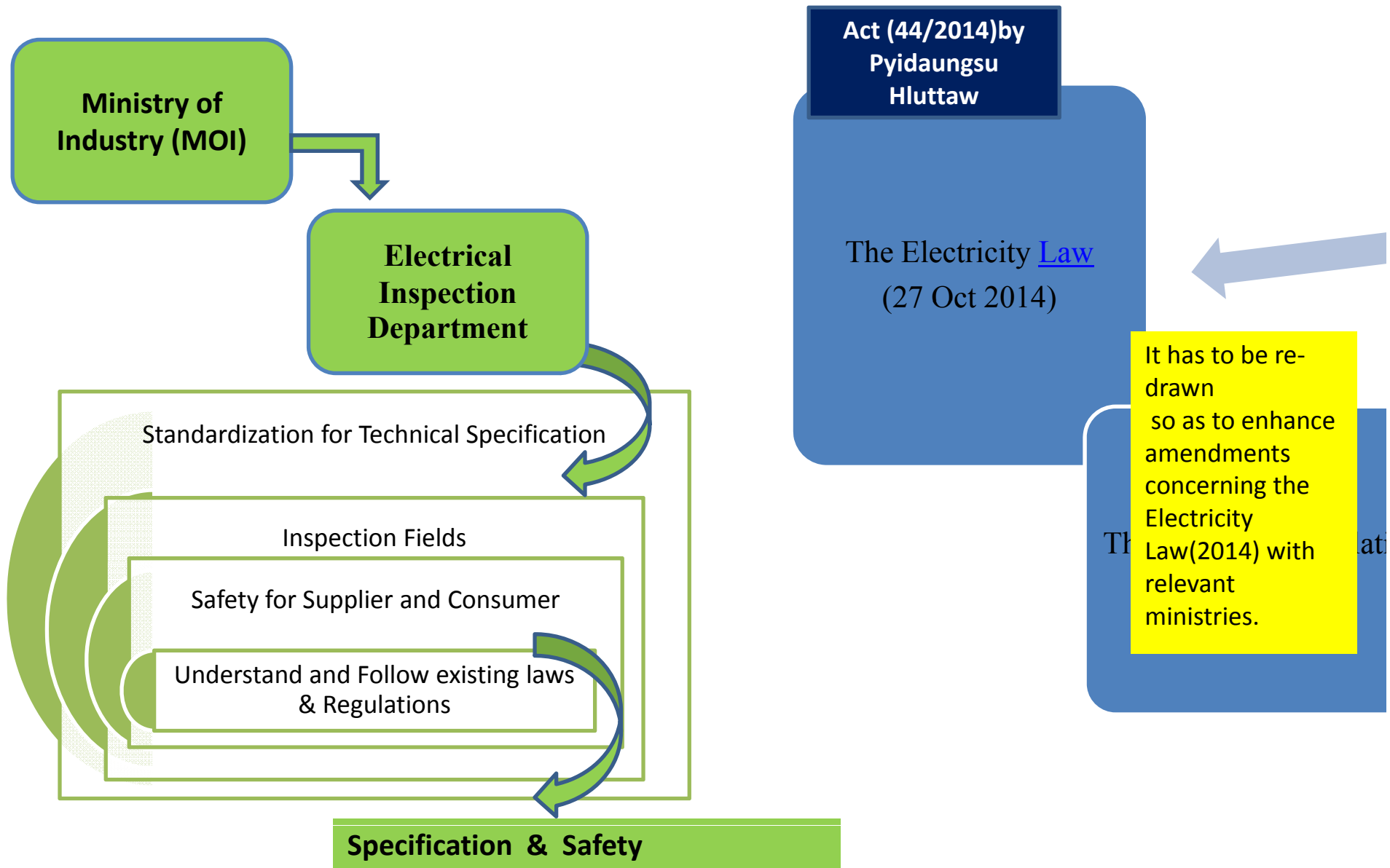
Relationship between JSCEEE &

Electrical Inspection Department



PEACE
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COURAGE
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PURITY
PROSPERITY

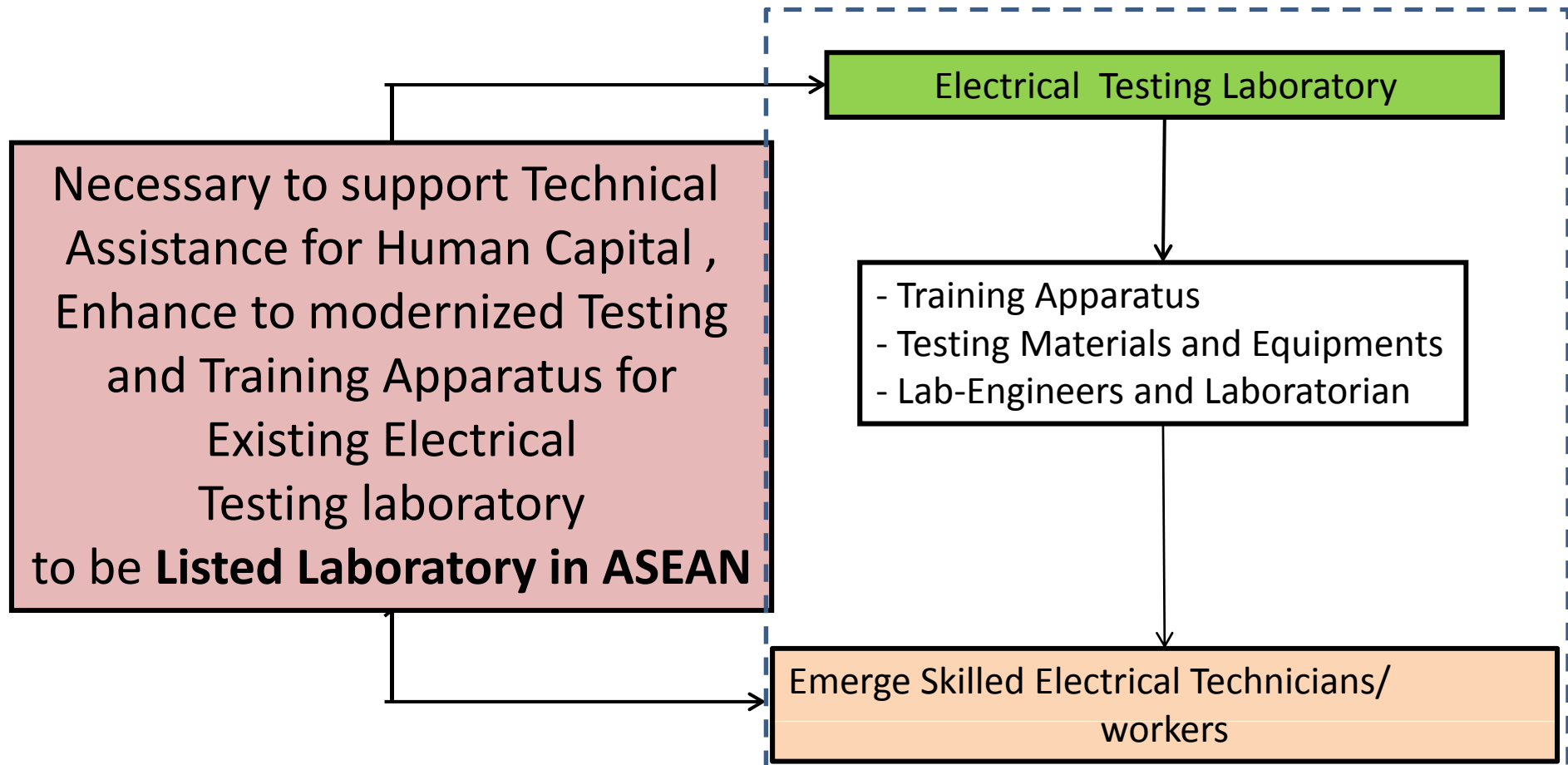
Inspection Sector by Electricity law & Regulation



Testing Facilities for the Regulated EEE

- Currently, Electrical Inspection Department has to take responsible for the Regulatory Authority for EEE sectors.
- Being a **Third Party**, Electrical Inspection Department has its own Electrical Testing Laboratory ,**however**, it has not been accredited in accordance with ASEAN EEE MRA,yet.
- Testing and Inspection of our department are well-performed in accordance with harmonized standards, B.S standards, JIS standards

Challenges regarding For Listed Testing Lab



Current Situation: Myanmar on the Development of EEE Regulations

Sr.No	Matter arising to the Development of EEE regulations in Myanmar	DRI	EI
1	Legislation	Standardization Law	Electricity Law
2	National Level responsibility and coordination for Harmonization of Standards for the EEE Sector	DRI (Focal Point of ACCSQ)	Electrical Inspection Department (Focal Point of JSCEEE)
3	Development of Standard for EEE sector in Standardization	National Standard Council	Technical Working Committee(Electrical)
4	Technical Regulation for EEE Sector	regard to its regulation	Plan to add necessary paragraph in the amendment of regulation
5	Testing Facilities for the Regulated EEE	-	Need to update its existing Electrical Testing Laboratory
6	Identification of Conformity Assessment System for EEE (national level responsibility)	Some activities by Standardization Law	
7	Accreditation Body	(according to Standardization Law)	
8	Certification Body	(according to Standardization Law)	
9	Regulated EEE and Mandatory Requirements/Standards	(according to Standardization Law)	29

Legislation

The Electricity Law(2014)

According to the duties of Inspector General: Inspector General can issue or withdrawal-

Certificate of Electrical Safety

Certificate of Conformity

Electricity skilled Certificate

The Law on Standardization (2014)

According to Chapter(VI)-Application for and issue of certification

Product certificate of certification

Production process certificate of certification

Service certificate of certification

Relationship with ASEAN

- All the matters for Electrical appliances are supervised by Joint Sectoral Committee Electrical and Electronic Equipment (JSCEEE).
- The Electrical Inspection Department is the Focal Point for Myanmar in order to take responsibility for the harmonization Electrical and Electronic Equipment in ASEAN.

Relationship with ASEAN

- Being a focal point, our department has to focus on Importance of harmonization for standards of Electrical and Electronic Equipment , especially those related to quality ,sustainable energy and safety for environment.
- Our country agreed on the (ASEAN Sectoral Mutual Recognition Arrangement for Electrical and Electronic- ASEAN EE MRA)(5 April 2002) and (ASEAN Harmonized Electrical and Electronic Equipment Regulatory Regime-AHEEERR) (9 December 2005)

Technical Sub-Committee of Standardization in EEE Sector

- Director(Electrical Inspection Department) takes the role of Chairman in Technical Sub-Committee of Standardization in Electrical and Electronic Equipment and perform the implementation of Mandatory Myanmar Standard (MMS) adoption from International Harmonized IEC Standards.
- At present , 20 International Harmonized IEC Standards are in On-going Stage .

Lists of Standards by Technical sub-committee for EEE Sector

Lists of IEC

- IEC 60335-1
- IEC 60335-2-3
- IEC 60335-2-41
- IEC 60335-2-43
- IEC 60335-2-44
- IEC 60335-2-80
- IEC 60335-2-26
- IEC 60335-2-15
- IEC 60335-2-23
- IEC 60335-2-40
- IEC 60227-5
- IEC 60669-1
- IEC 60884-1
- IEC 60898-1
- IEC 60898-2

Thank you