

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



UPDATES OF VIETNAM'S REGULATIONS ON EE PRODUCTS



Nov 16, 2017

Presenter: Do Pham Nhan Hoa

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



1

SAFETY REGULATIONS ON EE PRODUCTS

2

TECHNICAL REGULATIONS ON EMC

3

ENERGY LABELLING &
LEVEL OF MINIMUM ENERGY EFFICIENCY LABELLING (LMEE)

4

ROHS REGULATION

5

NEW UPDATE ON SAFETY, EMC, ENERGY EFFICIENCY

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



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SAFETY REGULATIONS ON EE PRODUCTS

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

1

ELECTRICAL SAFETY REGULATIONS ON EE PRODUCTS

MINISTRY OF SCIENCE AND TECHNOLOGY

REGULATION

PRODUCT

SCHEME

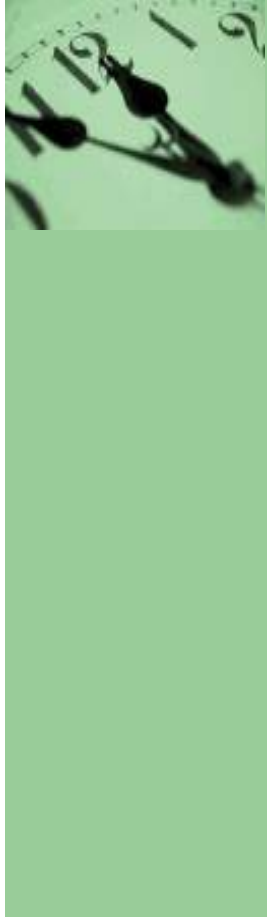
QCVN 4: 2009 / BKHCN
(Amendment 1:2016
QCVN 4:2009/BKHCN)

1. Instant water heater
2. Storage water heater
3. Appliances for skin or hair care
4. Electric kettle
5. Rice Cooker
6. Electric fan
7. Electric iron
8. Microwave oven
9. Electric grills, toasters and similar portable cooking appliances
- 10. PVC insulated wires and cables of rated voltages up to and including 450/750V**
11. Portable immersion heaters
12. Electric tea and coffee makers
13. Electric hand dryer

**Scheme
5, 7**

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



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SAFETY REGULATIONS ON EE PRODUCTS

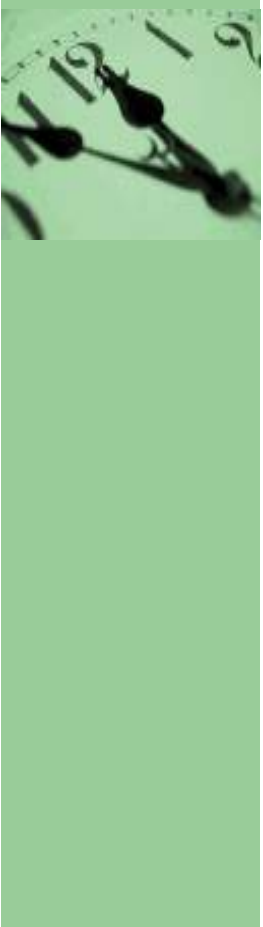
Circular No 28/2012/TT-BKHCN (issued on 12/12/2012 by MOST): Regulations on voluntary/mandatory declaration & conformity assessment schemes
 (update: [Circular No 02/2017/TT-BKHCN, dated 31/03/2017](#))

Article 5: Conformity assessment schemes

Certification schemes	Scheme 1: Type-test
	Scheme 2: (Type-test) + initial factory inspection + surveillance by testing samples taken on the market
	Scheme 3: (Type-test) + initial factory inspection + surveillance by factory inspection combined with testing samples taken at the production site
	Scheme 4: (Type-test) + initial factory inspection + surveillance by factory inspection combined with testing samples taken at the production site and on the market
	Scheme 5: (Type-test) + initial factory inspection + surveillance by factory inspection combined with testing samples taken at the production site or on the market or both
	Scheme 6: initial audit + surveillance audit the quality management system
	Scheme 7: Lot inspection
	Scheme 8: Inspection the whole of products / commodities

QUALITY ASSURANCE AND TESTING CENTER 3

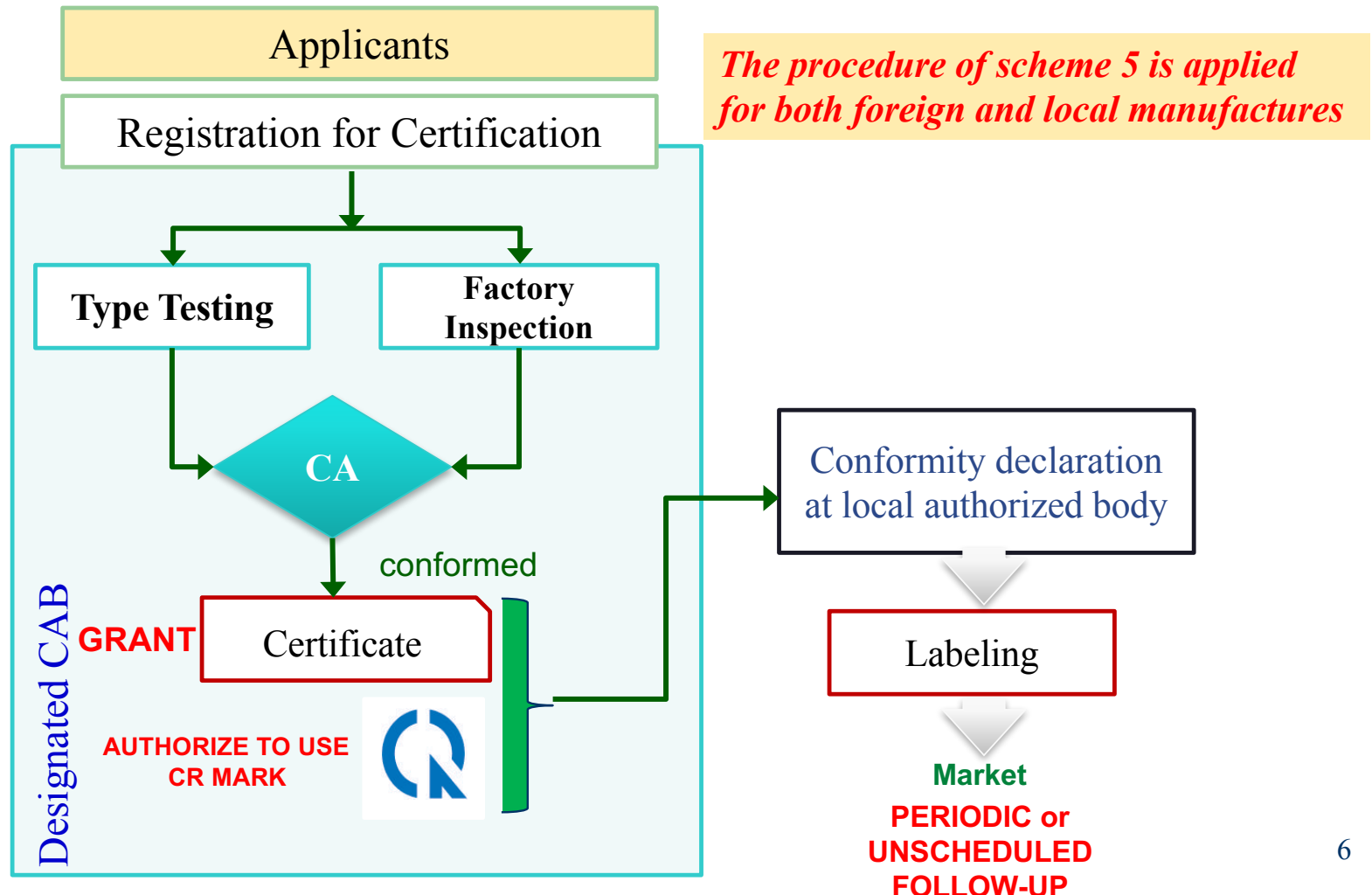
ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



1

ELECTRICAL SAFETY REGULATIONS ON EE PRODUCTS

SCHEME 5: PROCEDURE FOR FACTORY INSPECTION + SAMPLE TESTING + FOLLOW-UP



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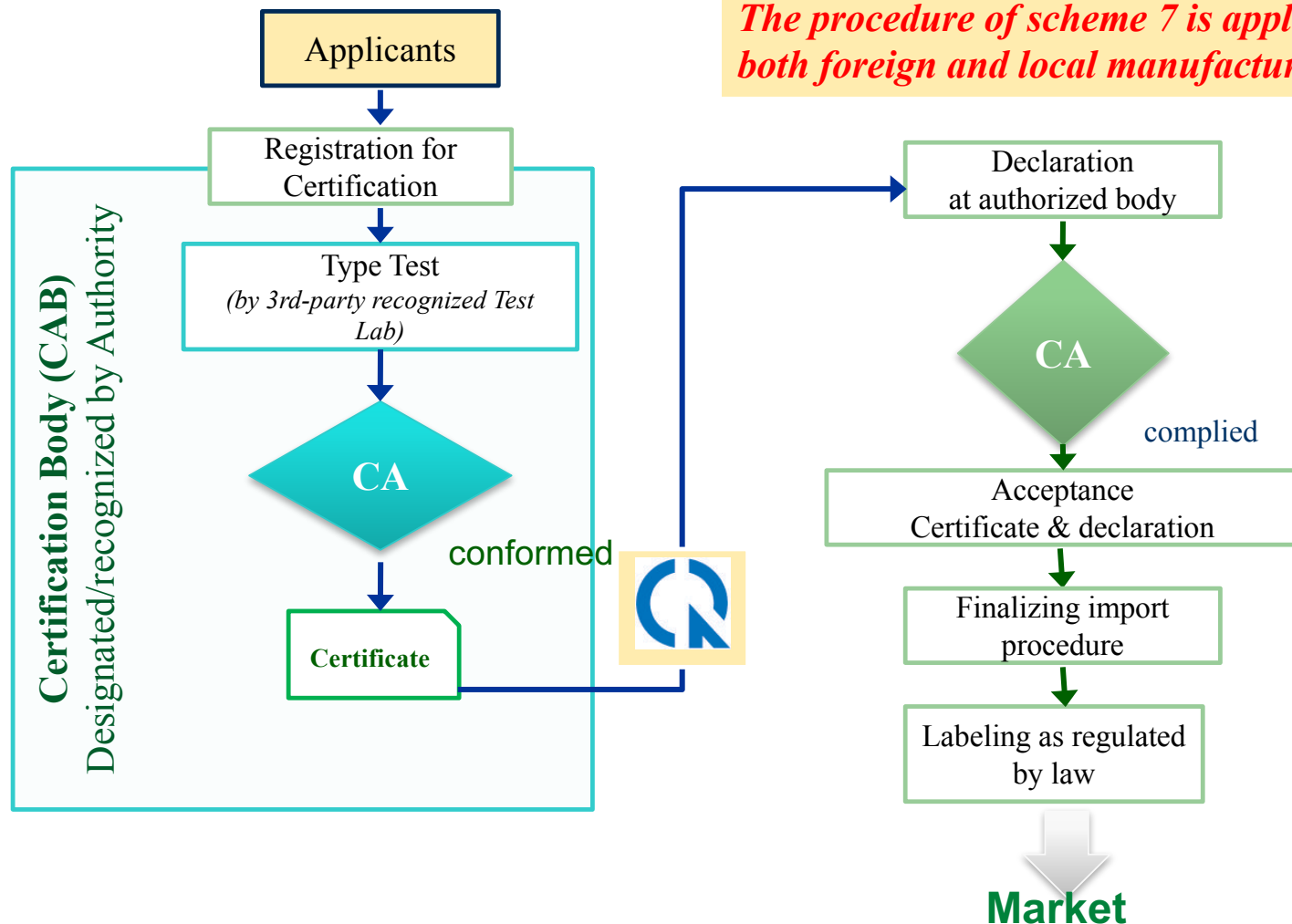
ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

1

ELECTRICAL SAFETY REGULATIONS ON EE PRODUCTS

SCHEME 7: PROCEDURE FOR LOT INSPECTION

The procedure of scheme 7 is applied for both foreign and local manufactures

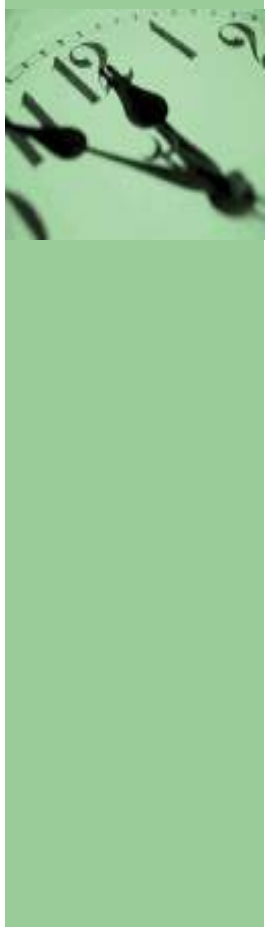


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1

ELECTRICAL SAFETY REGULATIONS ON EE PRODUCTS

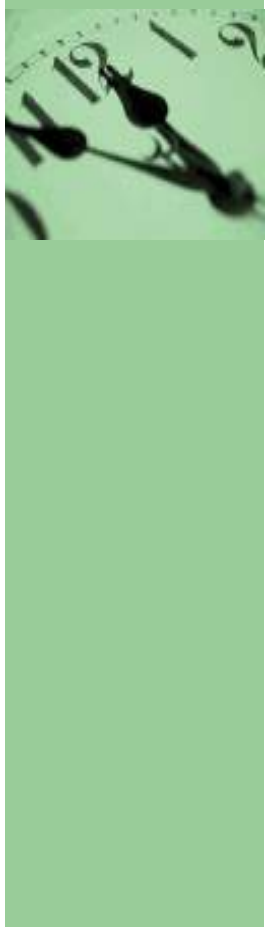


QCVN 4:2009/BKHCHN (HOUSE)

PRODUCTS	APPLIED STANDARD	EFFECTIVE DATE & UPDATES
Instant water heater	TCVN 5699-2-35:2007 / IEC 60335-2-35:2005 <i>TCVN 5699-2-35:2013/IEC 60335-2-35:2012</i>	01/06/2010 (Circular 21/2009/TT-BKHCHN)
Storage water heater	TCVN 5699-2-21:2007 / IEC 60335-2-21:2004 <i>TCVN 5699-2-21:2013/IEC 60335-2-21:2012</i>	
Appliances for skin or hair care	TCVN 5699-2-23:2007 / IEC 60335-2-23:2005 <i>TCVN 5699-2-23:2013/IEC 60335-2-23:2012</i>	
Electric kettle	TCVN 5699-2-15:2007 / IEC 60335-2-15:2005 <i>TCVN 5699-2-15:2013/IEC 60335-2-15:2012</i>	
Rice Cooker	TCVN 5699-2-15:2007 / IEC 60335-2-15:2005 <i>TCVN 5699-2-15:2013/IEC 60335-2-15:2012</i>	
Electric fan	TCVN 5699-2-80:2007 / IEC 60335-2-80:2005	

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ELECTRICAL SAFETY REGULATIONS ON EE PRODUCTS

QCVN 4:2009/BKHCN

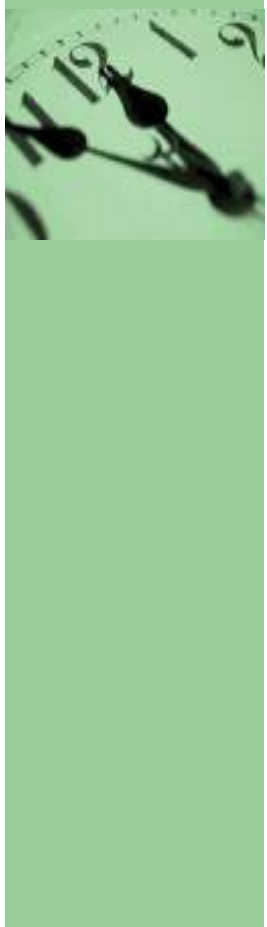
PRODUCTS	APPLIED STANDARD	EFFECTIVE DATE
Electric iron	TCVN 5699-2-3:2006 / IEC 60335-2-3:2005 <i>TCVN 5699-2-3:2010/IEC 60335-2-3:2010</i>	01/01/2011 (Circular 21/2009/TT-BKHCN)
Microwave oven	TCVN 5699-2-25:2007 / IEC 60335-2-25:2005	
Electric grills, toasters and similar portable cooking appliances	TCVN 5699-2-9:2004 / IEC 60335-2-9:2002 & Am 2004 <i>TCVN 5699-2-9:2010/IEC 60335-2-9:2008</i>	
PVC insulated wires and cables of rated voltages up to and including 450/750V	TCVN 6610-1:2007/ IEC 60227-1:1998; TCVN 6610-3:2000 / IEC 60227-3:1997 TCVN 6610-4:2000 / IEC 60227-4:1992 & Am 1997 TCVN 6610-5:2007 / IEC 60227-5:2003 <u><i>update :TCVN 6610:2014</i></u>	
Portable immersion heaters	TCVN 5699-2-74:2005 / IEC 60335-2-74:2002 <i>TCVN 5699-2-74:2010/IEC 60335-2-74:2009</i>	
Electric tea and coffee makers	TCVN 5699-2-15:2007 / IEC 60335-2-15:2005 <i>TCVN 5699-2-15:2013/IEC 60335-2-15:2012</i>	
Electric hand dryer	TCVN 5699-2-23:2007 / IEC 60335-2-23:2005 <i>TCVN 5699-2-23:2013/IEC 60335-2-23:2012</i>	

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ELECTRICAL SAFETY REGULATIONS ON EE PRODUCTS



SAFETY MARK (CR MARK)



QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



2

TECHNICAL REGULATIONS ON EMC

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

2

TECHNICAL REGULATIONS ON EMC

DETAILS AND UPDATES

QCVN 9:2012/BKHCN (EMC)
(under process of update by Ministry)

PRODUCTS	APPLIED STANDARD	EFFECTIVE DATE & UPDATES
Instant water heaters	TCVN 7492-1:2010 / CISPR 14-1:2009 (Emission)	01/06/2013 (Circular No 11/2012/TT-BKHCN)
Motor operated portable electric drillers	TCVN 7492-1:2010 / CISPR 14-1:2009 (Emission)	<u>01/06/2015</u> (Circular <u>No. 13/2013/TT-BKHCN</u>)

CERTIFICATION SCHEME: SCHEME 1

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

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TECHNICAL REGULATIONS ON EMC

DETAILS AND UPDATES

QCVN 9:2012/BKHCHN (EMC)

PRODUCTS	APPLIED STANDARD	EFFECTIVE DATE & UPDATES
Fluorescent lamps with built-in ballasts	TCVN 7186:2010 / CISPR 15:2009 (Limit of radio disturbance)	01/06/2014 (Circular No 11/2012/TT-BKHCHN) <u>01/01/2016</u> (Circular No. 13/2013/TT-BKHCHN)
Electric Vacuum cleaners	TCVN 7492-1:2010 / CISPR 14-1:2009 (Emission)	
Electric Washing machines	TCVN 7492-1:2010 / CISPR 14-1:2009 (Emission)	
Electric refrigerators and freezers	TCVN 7492-1:2010 / CISPR 14-1:2009 (Emission)	
Electric Air-conditioners	TCVN 7492-1:2010 / CISPR 14-1:2009 (Emission)	

CERTIFICATION SCHEME: SCHEME 1

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TECHNICAL REGULATIONS ON EMC
Decision No. 1983/2014/QD-TDC

ARTICLE 5: Conformity assessment and certification

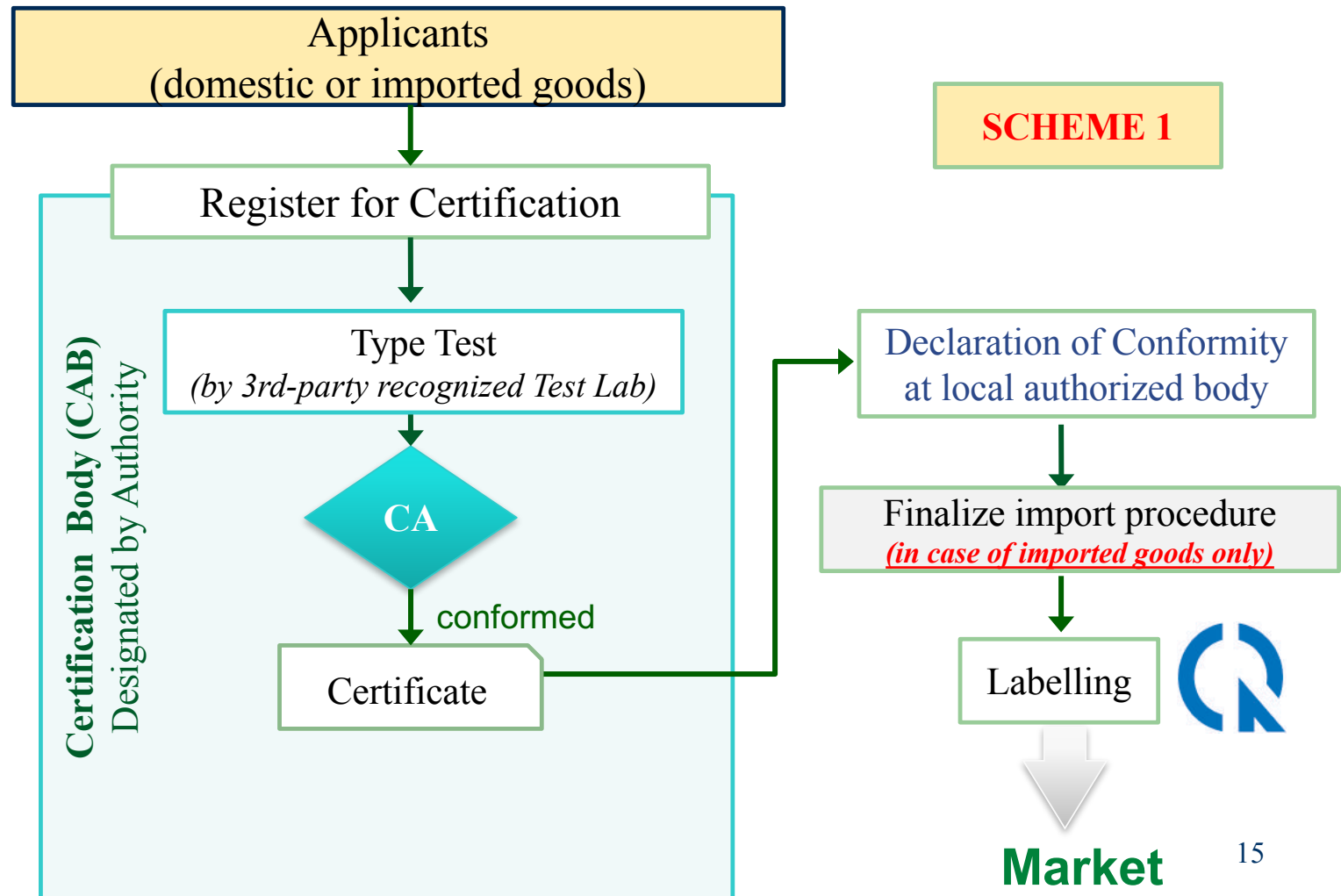
Article	Contents	Description
5.1	Scheme of certification	Scheme 1
5.2	Registration dossier	<ul style="list-style-type: none"> - Application form - Technical specifications - Images (outside & inside) - User manuals - Conformity certificate (if any) - Type - Test reports of electromagnetic interference radiation (if any)
5.3	Type-sampling	Samples provided by businesses: <ul style="list-style-type: none"> - 01 sample: in case of using test reports of TBs of exporting countries - 02 samples: in case of tests conducted by local TBs

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TECHNICAL REGULATIONS ON EMC

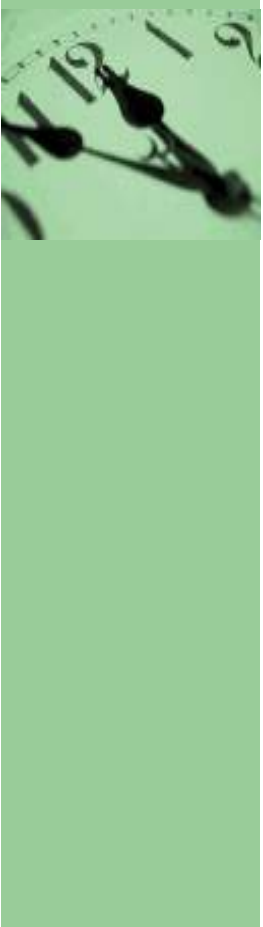


QUALITY ASSURANCE AND TESTING CENTER 3

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TECHNICAL REGULATIONS ON EMC



CR MARK for EMC
certified products



CR MARK for EMC & SAFETY
certified products



QUALITY ASSURANCE AND TESTING CENTER 3

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3

ENERGY LABELLING & LEVEL OF MINIMUM ENERGY EFFICIENCY LABELLING (LMEE)

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



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ENERGY LABELLING & APPLICATION OF LEVEL OF MINIMUM ENERGY EFFICIENCY (LMEE)

Decision 04/2017/QĐ-TTg (effect since 25 April 2017)

Article 1: List of equipment, devices subject to energy labeling & LMEE

Group	Products
GROUP 1 Household appliances	Straight tub fluorescent lamps; fluorescent compact lamps; electro-magnetic and electronic ballasts for fluorescent lamps; air-conditioners; refrigerators; washing-machines; electric rice-cookers; electric fans; televisions Update: LED lamps; storage water heater
GROUP 2 Office / commercial equipment	Photocopiers; PC monitors ; printers; refrigerated cabinets Update: Laptop computer
GROUP 3 Industrial equipment	Distribution - transformers ; electric motors
GROUP 4 Transportation vehicles	Cars (with 7 seats or less) Update: cars with 9 seats; motorbike

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ENERGY LABELLING APPLICATION

Decision 04/2017/QĐ-TTg

Article 2: Roadmap for energy labelling application

Products	Time of application
<p>GROUP 1 Household appliances</p>	<p>Decision 03/2013/QĐ-TTg</p> <ul style="list-style-type: none"> • Compulsory energy labeling application: since 01/07/2013 for lamps, ballasts, air-conditioners, vertical washing machines, cookers, fans - Since 01/01/2014 for refrigerators, Tvs, horizontal washing machine <p>Decision 04/2017/QĐ-TTg :</p> <ul style="list-style-type: none"> • apply for LED lamps and storage water heater • voluntary energy labelling: up to 31/12/2019 • Compulsory energy labelling: since 01/01/2020
<p>GROUP 2 Office / commercial equipment</p>	<ul style="list-style-type: none"> • Compulsory energy labeling application: since 01/01/2014 applied to commercial refrigerator cabinets • voluntary energy labeling: copier; computer monitor; printer <p>Laptop</p> <ul style="list-style-type: none"> • voluntary energy labelling: up to 31/12/2019 • Compulsory energy labelling: since 01/01/2020



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ENERGY LABELLING APPLICATION

Decision 04/2017/QĐ-TTg

Article 2: Roadmap for energy labeling application



Products	Time of application
GROUP 3 Industrial equipment	Compulsory energy labeling application: since <u>01/07/2013</u>
GROUP 4 Transportation vehicles	<ul style="list-style-type: none"> • Compulsory energy labeling : car up to 7 seats • Voluntary energy labelling: <p>Car (7-9) seats: up to 31/12/2017 Motorbike: up to 31/12/2019</p> <ul style="list-style-type: none"> • Compulsory energy labelling: <p>Car (7-9) seats: since 01/01/2018 Motorbike: since 01/01/2020</p>

Others devices and equipment out of the list in the Article 1 are encouraged to apply voluntary energy labeling

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LEVEL MINIMUM OF ENERGY EFFICIENCY (LMEE) LABELLING APPLICATION



Decision 04/2017/QĐ-TTg

Article 3: Roadmap for LMEE labeling application

GROUP 1: HOUSEHOLD APPLIANCE/ GROUP 2 : OFFICE , COMMERCIAL EQUIPMENT AND GROUP 3: INDUSTRIAL EQUIPMENT

Appliances and equipment in the list having energy efficiency less than LMEE are not permitted to import or manufacture

BULB LAMPS AND FILAMENT LAMPS

Lamps of power rating more than 60 W are not permitted to import or manufacture or sale

LED LAMPS, STORAGE WATER HEATERS, LAPTOPS

Roadmap for LMEE labeling application will be required by Prime Minister Decision

Decision No. 04/2017/QĐ-TTg
EE products – Energy labeling (Roadmap)

Compulsory

Voluntary

2017

2019

2020

Household appliances & industrial equipment
GROUP 1 & 3

except LED lamps and storage water heaters

LED lamps & storage water heaters

LED , storage
Water Heater

Office and commercial equipment
GROUP 2

Copier, computer monitor, printer

Laptop

Laptop

Commercial refrigerator cabinet

Transportation equipment & vehicles
GROUP 4

Cars having less than 7 seats

Cars 7-9
seats

Cars having less than 7 seats

Motors; motorbikes

Motors; motorbikes

Equipment & devices not listed

Encourage to apply voluntary energy labeling

31/12/2017 (01/01/2018)

31/12/2019 (01/01/2020)

QUALITY ASSURANCE AND TESTING CENTER 3

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ENERGY LABELLING & APPLICATION OF LMEE

APPLIED STANDARDS FOR LIST OF PRODUCTS UNDER DECISION No 51/2011/QĐ-TTg & Update
DECISION 04/2017/QĐ-TTg

1) GROUP 1: HOUSEHOLD APPLIANCES (UPDATE)

No	PRODUCTS	VIETNAMESE APPLIED STANDARDS
1	Straight Tub fluorescent lamps	TCVN 8249:2013
2	Compact fluorescent lamps	TCVN 7896:2015 (eff. since 01/07/2016) (Decision 7371/QĐ-BCT, 20/07/2015); TCVN 7451-2:2005
3	Electromagnetic ballasts for fluorescent lamps	TCVN 8248:2013, TCVN 7451-2:2005
4	Electronic ballast for fluorescent lamps	TCVN 7897:2013
5	Air conditioners	TCVN 7830:2015 (eff. since 01/01/2017) <i>ISO 5151:2010 (IDT); ISO 16358:2013 (MOD)</i>
6	Refrigerators; refrigerator-freezer; freezer	TCVN 7828:2013, TCVN 7829:2013 <i>IEC 62552:2015 (MOD)</i> TCVN 7828:2016.; TCVN 7829:2016 (Effect since 01/07/2018)
7	Washing machines	TCVN 8526:2013
8	Electric rice cookers	TCVN 8252:2015 (eff. since 01/01/2017)
9	Electric fan	TCVN 7826:2015 (eff. since 01/01/2017) TCVN 7827:2015 (Decision 1056/QĐ-BCT, 21/03/2016)
10	TV set	TCVN 9536:2012, TCVN 9537:2012 <i>IEC 62087:2008; IEC62301:2011 (IDT)</i>
11	Storage water heaters	TCVN 7898:2009

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ENERGY LABELLING & APPLICATION OF LMEE

APPLIED STANDARDS FOR LIST OF PRODUCTS UNDER DECISION No 51/2011/QĐ-TTg & update DECISION 04/2017/QĐ-TTg

2) GROUP 2: OFFICE EQUIPMENT/MACHINES

No	PRODUCTS	VIETNAMESE APPLIED STANDARDS
1	Photocopiers	TCVN 9510:2012 ; <i>IEC62301:2011 (IDT)</i>
2	Printers	TCVN 9509:2012; <i>IEC62301:2011 (IDT)</i>
3	Computer monitors	TCVN 9508:2012; <i>IEC62301:2011 (IDT)</i>
4	Commercial refrigeration cabinets	TCVN 10290:2014; TCVN 10289:2014 (eff. since 01/07/2016) (Decision 7371/QĐ-BCT, 20/07/2015) <i>ISO 23953:2013 (IDT)</i>

3) GROUP 3: INDUSTRIAL EQUIPMENT

No	PRODUCTS	VIETNAMESE APPLIED STANDARDS
1	Distribution transformers	TCVN 8525:2015 (eff. since 2016) TCVN 8525:2010
2	Electric motors	TCVN 7450-1:2013, TCVN 7450-2:2013 <i>IEC 60034-1; IEC 60034-2-1; IEC 60034-1</i>

4) GROUP 4: TRANSPORTATION VEHICLES

Passenger cars of 7 seats or less having energy efficiency lower than the regulated energy efficiency level will be banned from use since Jan 1st, 2015

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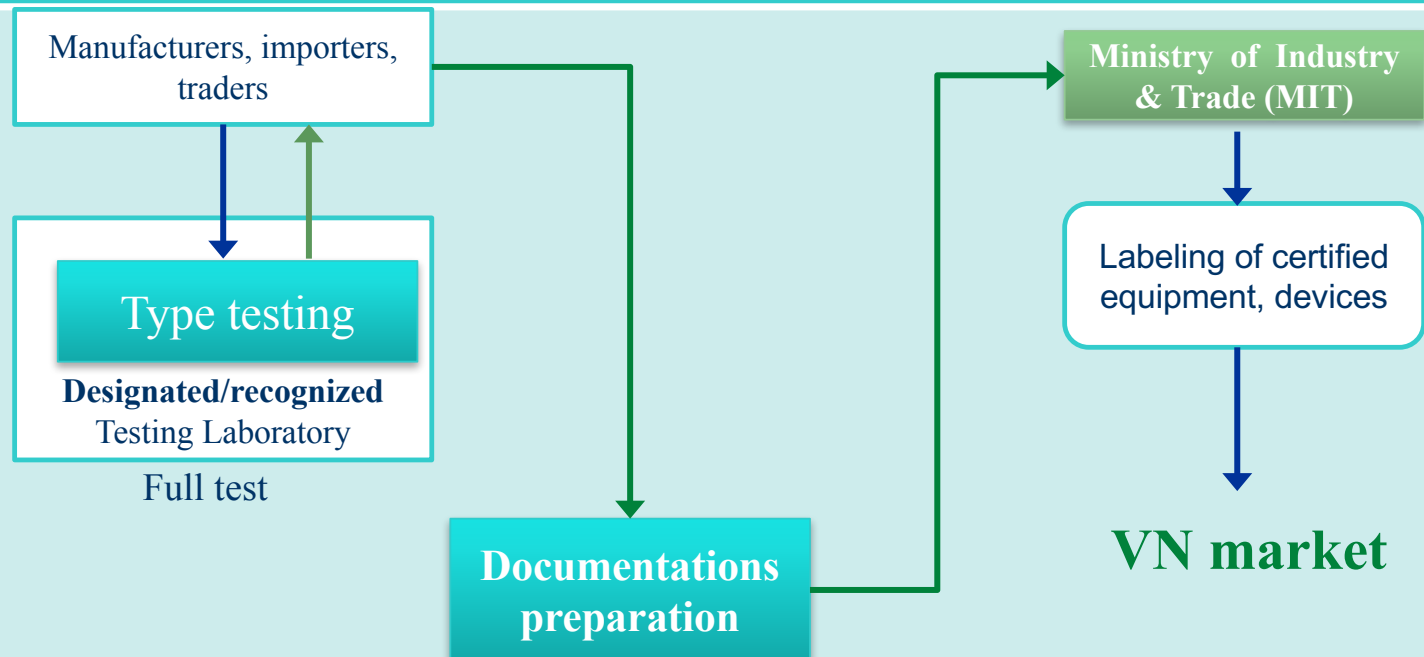
ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

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ENERGY LABELLING & LMEE APPLICATION

Circular 36/2016/TT-BCT

Procedure for confirmation of energy labeling & minimum efficiency level



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ENERGY LABELLING & LMEES APPLICATION

Circular 36/2016/TT-BCT

Procedure for energy labelling of equipment, devices

Step	Operations
Step 1	Application as guided by the Ministry of Industry and Trade (MIT)
Step 2	Type-test conducted at designated laboratories (ISO/IEC 17025 accredited)
Step 3	Prepare documentation and send to General Energy Department (GED)
Step 4	Labelling and put into the market

QUALITY ASSURANCE AND TESTING CENTER 3

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ENERGY LABELLING & LMEE



ENERGY LABELS



Comparative label



Confirmative label

Label specification:

Design & Dimensions specs
Detailed information on label
Details of test method and assessment

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ENERGY LABELLING & LMEE

ENERGY LABELS (COMPARATIVE LABEL)



Energy efficiency grade:
From one star to five star

Comparative label is used on the facilities and equipment having level of energy efficiency from one star to five star (specified in the standard)

QUALITY ASSURANCE AND TESTING CENTER 3

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ENERGY LABELLING & LMEE









ENERGY LABELS (CONFIRMATIVE LABEL)



Confirmative label

Confirmative label is used on the facilities and equipment that meet the minimum energy level required by the specific performance standard (LMEE)

No	Product	Applied testing standard	Energy Label	
1	Straight Tub fluorescent lamps	TCVN 8249:2013	Confirmative label	
2	Compact fluorescent lamps	TCVN 7896:2015	Confirmative label	
3	Electronic ballasts for fluorescent lamps	TCVN 7897:2013	Confirmative label	
4	Electromagnetic ballast for fluorescent lamps	TCVN 8248:2013	Confirmative label	
5	Air conditioners	TCVN 7830:2015	Comparative label	
6	Refrigerators	TCVN 7828:2013 TCVN 7829:2013	Comparative label	
7	Washing machines	TCVN 8526:2013	Comparative label	
8	Electric cookers	TCVN 8252:2015	Comparative label	

No	Product	Applied testing standard	Energy Label	
9	Electric fans	TCVN 7826:2015	Comparison label	
10	Television receivers	TCVN 9536:2012	Comparison label	
11	Photocopiers	TCVN 9510:2012	Confirmative label	
12	Computer monitors	TCVN 9508:2012	Confirmative label	
13	Printers	TCVN 9509:2012	Confirmative label	
14	Commercial refrigeration cabinets	TCVN 10289:2014 TCVN 10290: 2014	Comparison label	
15	Distribution transformers	TCVN 8525:2015	Confirmative label	
16	Electric motors	TCVN 7450-1:2013	Confirmative label	
17	Passenger cars of 7 seats or less			

QUALITY ASSURANCE AND TESTING CENTRE 3

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4

RoHS REGULATIONS

QUALITY ASSURANCE AND TESTING CENTRE 3

ACCURACY – OBJECTIVENESS – TIMELY – EFFICIENCY

4

RoHS REGULATIONS UNDER CONTROL OF MINISTRY OF INDUSTRY AND TRADE

LEGISLATIVE REQUIREMENTS RELATED TO RoHS

NATIONAL LEVEL	GOVERNMENTAL LEVEL	MINISTERIAL LEVEL
<p>Chemical Law (No 06/2007/QH12, effective since 01/07/2008)</p>	<p>Guidance on implementation of Chemical Law (No 108/2008/NĐ-CP, effective since 05/11/2008)</p>	<ul style="list-style-type: none"> • Circular No 30/2011/TT-BCT, effective since 10/08/2011 • Decision No 4693/QĐ-BCT, amending circular No 30/2011/TT-BCT

1. Authority in charged : Ministry of Industry and Trade (MIT)
2. Designated bodies: designated testing labs
3. Applied scheme: Declaration of conformity (DoC) of applicants (mandatory declaration)

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RoHS REGULATIONS

**Circular No 30/2011/TT-BCT (issued on 10/08/2011 by Ministry of Industry & Trade MIT):
Temporary regulations on restriction of some toxics chemicals in EE products**

Details on:

- **Scope of application**
- **List of toxics chemicals**
- **List of applied products**
- **Declaration of manufacturers, importers**
- **Responsibilities of manufacturers, importers, traders, authorities**
- **Effective date for application : 01/12/2012**

QUALITY ASSURANCE AND TESTING CENTRE 3

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RoHS REGULATIONS

**Circular No 30/2011/TT-BCT (issued on 10/08/2011 by Ministry of Industry and Trade)
Temporary regulations on restriction of some toxic chemicals in EE products**

Article 5

PRODUCTS	LIMIT OF SUBSTANCES (% mass)		EFFECTIVE DATE
HOUSEHOLD APPLIANCES OF BIG SIZE	Pb	0,1% mass	<p>Since 01/12/2012</p> <p>MANDATORY DECLARATION OF CONFORMITY OF APPLICANTS</p>
HOUSEHOLD APPLIANCES OF SMALL SIZE	Hg	0,1% mass	
TELECOMMUNICATION AND IT EQUIPMENT	Cd	0,01% mass	
ENTERTAINMENT AND SIMILAR APPLIANCES PRODUCTS	Cr 6+	0,1% mass	
LIGHTING EQUIPMENT	PBB	0,1% mass	
ELECTRICAL, ELECTRONIC PORTABLE EQUIPMENT	PBDE	0,1% mass	
SPORT AND ENTERTAINMENT EQUIPMENT			
AUTOMATIVE MEASURING EQUIPMENT			

APPLIED STANDARD: IEC 62321 (Electro-technical products – Determination of levels of six regulated substances) is temporarily applied until new technical regulation issued.

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RoHS REGULATIONS

**Circular No 30/2011/TT-BCT (issued on 10/08/2011 by Ministry of Industry and Trade)
Temporary regulations on restriction of some toxic chemicals in EE products**

Article 6

- Responsibilities of manufacturers, importers, traders:
 - a) Declare the actual level of hazardous substances in the products in compliance with the requirements in the circular 30/2011/TT-BCT based on the test report issued by a designated laboratory
 - b) Publicize the declaration in ways described in the circular:
 - Publicize on the website
 - Introduction in the product manual (hard or soft copy) or print directly on the product or package
 - c) Keep records of RoHS control of the products before putting products into the market and present to the authorities when required.

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RoHS REGULATIONS

**Circular No 30/2011/TT-BCT (issued on 10/08/2011 by Ministry of Industry and Trade)
Temporary regulations on restriction of some toxic chemicals in EE products**

Article 6

- Responsibilities of authorities:
 - a) Department of chemical:
 - Designate testing labs for testing controlled EE products in compliance with RoHS requirements
 - Preside and co-operate with related ministries to inspect any entities which manufacture, import, trade EE products in the controlled list.
 - b) Department of Market surveillance - MIT
Settlement any violation the RoHS regulation

QUALITY ASSURANCE AND TESTING CENTRE 3

ACCURACY – OBJECTIVENESS – TIMELY – EFFICIENCY

4

RoHS REGULATIONS

**Circular No 30/2011/TT-BCT (issued on 10/08/2011 by Ministry of Industry and Trade)
Temporary regulations on restriction of some toxic chemicals in EE products**

Implementation

1. This regulation shall be effective from 23rd, Sep. 2011 until being replaced by newly released technical regulation.
2. From 01st Dec. 2012, organizations and individuals manufacturing or import EE products & goods shall have to:
 - a) Announce information about level of restricted toxic chemicals in the EE products or goods according to specification at 2 Article 6 of this circular;
 - b) Assure restricted allowable levels of toxic chemicals in EE products meeting requirements regulated at Annex 1 of this Circular;
 - c) Set up and/or maintain documentation on restriction of allowable content of toxic chemicals as specified in item 4 of Article 6 of this circular

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



5

NEW UPDATE ON SAFETY, EMC, ENERGY EFFICIENCY

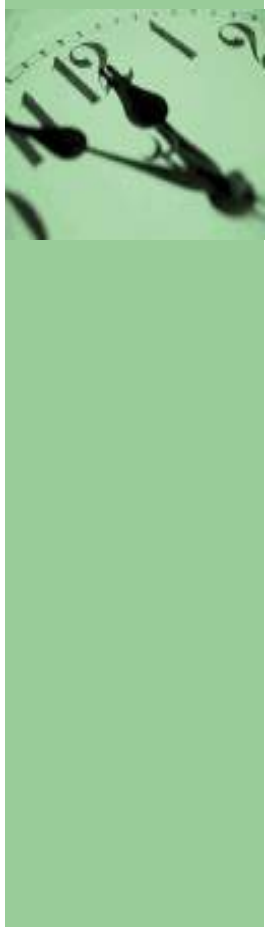
QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

5

UPDATED LEGAL DOCUMENT (SAFETY)

AUTHORITY: MINISTRY OF SCIENCE AND TECHNOLOGY (MOST)



PRODUCTS/ MATTERS	NATIONAL TECHNICAL REGULATION/ CIRCULAR	EFFECTIVE DATE
<p>Electrical household appliances & electric wires/cables</p> <p>Update on products electric wires & cables, detailed on:</p> <ul style="list-style-type: none"> • Applied voltage: 0.6/ 1 kV • Applied standards: national standards of countries • Critical requirements: 05 requirements, including: DC resistance; Thickness of insulation and outer cover; insulation resistance; High-voltage strength; Tensile strength of insulation and outer cover before and after aging 	<p>SD1:2016 QCVN 4:2009/BKHCN</p>	<p>01/02/2017 (applied since 01/08/2018)</p>
<p>Amendment on Regulation on declaration and schemes of conformity assessment:</p> <ul style="list-style-type: none"> • Conformity assessment body (CAB) includes: accredited CAB and designated CAB • Types of declaration: <ul style="list-style-type: none"> - The 1st party Self-declaration by the manufacturer - The 3rd party (by accredited CAB) self-declaration by the manufacturer - The 3rd party (by designated CAB) self-declaration by the manufacturer 	<p>CIRCULAR 02/2017/TT-BKHCN</p>	<p>15/05/2017</p>

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

4

UPDATED LEGAL DOCUMENT (ENERGY EFFICIENCY)

AUTHORITY: MINISTRY OF INDUSTRY AND TRADE (MOIT)

PRODUCTS/ MATTERS	NATIONAL TECHNICAL REGULATION/ CIRCULAR/ DECISION	EFFECTIVE DATE
<p>Energy labeling Update on:</p> <ul style="list-style-type: none">• Laboratory for testing energy labelling: local and oversea laboratories (3rd lab or manufacturer owned lab):<ul style="list-style-type: none">-Local lab: comply with Decree 107/2016/ND-CP- Oversea lab: accredited ISO/IEC 17025 by accreditation body under ILAC or APLAC MRA• Test report for energy labeling has <u>permanent validity</u> (unless any failure of test report or violation of manufacturer found by authority)	<p>Circular 36/2016/TT-BCT</p>	<p>10/02/2017</p>
<p>Energy labeling Update on: Road map and list of products</p>	<p>Decision 04/2017/QD-TTg</p>	<p>25/04/2017</p>

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

4

UPDATED LEGAL DOCUMENT (EMC)

AUTHORITY: MINISTRY OF INFORMATION AND COMMUNICATION (MIC)

PRODUCTS/ MATTERS

**NATIONAL
TECHNICAL REGULATION/
CIRCULAR/ DECISION**

**EFFECTIV
E DATE**

Circular on Guidance on implementation of some regulation:

1. QCVN 13:2010/BTTTT (CDMA requirement) is not required for terminal CDMA-1x device using frequency bands 800 MHz and 450 MHz

2. Regulatory national technical standard for UWB 60 GHz device is QCVN 18:2014/BTTTT (EN 301 489) until September 30, 2017.

From October 01, 2017, regulatory standards shall be QCVN 18:2014/BTTTT and QCVN 88:2015/BTTTT.

3. DoC (Declaration of Conformity) for DVB-S/S2 set-top-box and tablet is not required until April 01, 2018

4. QCVN 18:2014/BTTTT is required for Digital microwave equipment operating above 40GHz

**Circular
42/2016/TT-BTTTT**

01/10/2017

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE

5

UPDATED LEGAL DOCUMENT (EMC)

AUTHORITY: MINISTRY OF INFORMATION AND COMMUNICATION (MIC)

PRODUCTS/ MATTERS

**NATIONAL
TECHNICAL REGULATION/
CIRCULAR/ DECISION**

**EFFECTIV
E DATE**

Circular on Guidance on implementation of some regulation (continued):

5. QCVN 101:2016/BTTTT (IEC 62133), cl. 2.6 (safety requirement) is required for DoC of lithium battery of cell phones, tablets, and laptop (self –declaration of manufacturer on SAFETY only, according to clause 2.6 of Regulation)

6. MIC temporarily accepts manufacturer’s reports for QCVN 80:2014/BTTTT (DVB-S/S2 requirement)

7. MIC temporarily accepts manufacturer’s reports for DVB-T part for DoC of DVB-T2 set-top-box. Other requirement follows QCVN 63:2012/BTTTT.

8. MIC temporarily accepts EN 55032/ CISPR 32 reports for TCVN 7189:2009 requirement.

9. MIC temporarily accepts IEC 62133 reports of ISO 17025 Laboratories for DoC of Lithium batteries

**Circular
42/2016/TT-BTTTT**

01/10/2017



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ACCURACY – OBJECTIVENESS – TIMELY – EFFICIENCY



QCVN 112:2017/BTTTT

National technical regulation on general electromagnetic compatibility for radio broadband data transmission equipment

Valid from July 1, 2018

QCVN 113:2017/BTTTT

National technical regulation on ElectroMagnetic Compatibility (EMC) for Digital Enhanced Cordless Telecommunications (DECT) equipment

Valid from July 1, 2018

QCVN 114:2017/BTTTT

National technical regulation on ElectroMagnetic Compatibility (EMC) for fixed radio links and ancillary equipment

Valid from July 1, 2018

QUALITY ASSURANCE AND TESTING CENTER 3

ACCURACY – OBJECTIVENESS – TIMELY – CONFIDENCE



THANK YOU FOR YOUR ATTENTION

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