

VIET NAM COMSUMER PROTECTION
(SAFETY REGULATION OF
ELECTRICAL AND ELECTRONIC EQUIPMENT)
REGISTRATION SCHEME

Information Booklet
(version 2.0)



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Metrology and Quality (STAMEQ)**

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1 PREFACE

This information booklet serves as a guide to registration of controlled goods and other requirements related to the controlled goods registration scheme in Viet Nam.

Directorate for Standards, Metrology and Quality reserves the right to amend and introduce new requirements to the aforementioned scheme without reference to the holder of this booklet and encourages feedback from readers to ensure that improvements to this booklet could be made from time to time.

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2 INTRODUCTION

The objective of the Controlled Goods Registration Scheme is to protect consumers' interest by ensuring that household electrical and electronic products, designated as controlled goods, meet the Safety Technical Regulation. The regulation is equally applied to both domestic and imported products. At the time being, there are thirteen (13) categories of controlled goods in Viet Nam. The list of controlled goods and applicable safety standards are provided in Chapter 6 of this information booklet.

Registration of controlled goods under the Safety Technical Regulation is based on Certificate of Conformity (CoC) issued by designated third-party Conformity Assessment Bodies (CABs). An overall view of the registration process is shown in Appendix B.

We would like to draw your attention to Safety Technical Regulation, where it is stipulated that no person shall trade, supply or advertise for the purpose of supplying any of the controlled goods in Viet Nam after the specified dates, unless the controlled goods are registered and affixed with the Conformity Mark (CR Mark).

3 WHO SHOULD BE CONCERNED WITH THIS SCHEME

Consumers

To assure that consumers' interest can be met, consumers are strongly advised to purchase controlled goods that are registered with the Regulatory Authority and affixed with the CR Mark. Registered controlled goods that have met the safety requirements specified by Technical Regulation are, in general, safe to accidental fire, electric shock, explosion, radiation and other hazards that could result in injuries or deaths to humans and/or damages to private properties.

Suppliers

Manufacturers, importers (including parallel importers), distributors and retailers who are involved in advertising and/or supplying the controlled goods must ensure that their obligations under the Safety Technical Regulation are fulfilled.

This Information Booklet is to assist suppliers in understanding the requirements and procedures when they apply for registration of controlled goods.

4 LEGAL BASES

Circular No. 28/2012/QĐ-BKHCHN, dated 12 December 2012 issued by Ministry of Science and Technology guidance on declaration and assessment system of conformity to standards, technical regulations and Circular No. 02/2017/TT-BKHCHN, dated 31 March 2017 issued by Ministry of Science and Technology on amendments to certain articles of the Circular No. 28/2012/QĐ-BKHCHN, dated 12 December 2012 and Circular No. 06/2020/TT-BKHCHN dated 10 December 2020 elaborating to Decree No. 132/2008/ND-CP dated 31 December 2008, Decree No. 74/2018/ND-CP dated 15 May 2018, Decree No. 154/2018/ND-CP dated 9 November 2018 and Decree No. 119/2017/ND-CP dated 1 November 2017 of the Government.

QCVN 4:2009/BKHCHN, National Technical Regulation on Safety of Electrical and Electronic Products dated 30 September 2009 approved by Ministry of Science and Technology and Amendment 1:2016 QCVN 4:2009/BKHCHN - National Technical Regulations on Safety of Electrical and Electronic Products dated 15 December 2016.

Decree 132/2008/ND-CP dated 31 December 2008 detailing the implementation of a number of articles of the law on product and goods quality, Decree 74/2018/ND-CP dated 15 May 2018, amending and supplementing a number of articles of the decree no. 132/2008/ND-CP dated 31 December 2008 providing specific guidance on enforcement of the law on the quality of products and goods; Decree 154/2018/ND-CP dated 9 November 2018 amending, supplementing and repealing certain regulations on investment and

business conditions in sectors under management of ministry of science and technology and certain regulations on specialized inspections.

Decree No. 119/2017/ND-CP dated 1 November 2017 Decree on penalties for administrative violations against regulations on standards, measurement and quality of goods and Decree No. 126/2021/ND-CP dated 30 December 2021 on amendments to certain articles of decrees on administrative penalties in industrial property; standards, measurement and quality of goods; science and technology activities, technology transfers; atomic energy.

Circular No. 06/2020/TT-BKHCHN dated 10 December 2020 elaborating to Decree No. 132/2008/ND-CP dated 31 December 2008, Decree No. 74/2018/ND-CP dated 15 May 2018, Decree No. 154/2018/ND-CP dated 9 November 2018 and Decree No. 119/2017/ND-CP dated 1 November 2017 of the Government.

Decision No. 1989/QĐ-TĐC dated 12 September 2019 issued by Directorate for Standards, Metrology and Quality on “Guidelines to Certification of Conformity to Technical regulation on Safety of Electrical and Electronic products”

5 PARTIES THAT NEED TO APPLY FOR REGISTRATION

Only one party involved in the supply chain of the controlled goods in Viet Nam needs to register the controlled goods with the Regulatory Authority. No party shall be allowed to advertise and/or supply the controlled goods unless they have been registered with the Regulatory Authority. The registration is non-transferable.

Importer

Importers who import controlled goods that are meant for Viet Nam are required to apply for registration with the Regulatory Authority. No registration is needed if the controlled goods are meant for export only. However, these ‘For Export Only’ controlled goods shall not be advertised, supplied, displayed in any retail outlets and/or made available for sale in Viet Nam under any circumstances.

Parallel Importer

Any parallel importer of the same brand and model of controlled goods are also required to apply for registration.

Retailer

Retailers are only required to apply for registration if they import the controlled goods themselves.

Manufacturer

Any local manufacturers in Viet Nam who supply the controlled goods to the domestic market are required to apply for registration of goods prior to sale.

Distributor

Since the Certificate of Conformity (CoC) is not transferable, when a company relegates its ownership of its registered controlled goods to another business entity, the latter has to re-register the controlled goods with the Regulatory Authority prior to sale on the domestic market.

6 CONTROLLED GOODS AND THEIR APPLICABLE SAFETY STANDARDS

TT	Controlled Goods	National Standards (TCVN)	Relevant International Standards
1	Instantaneous electric water heaters	TCVN 5699-2-35:2013	IEC 60335-2-35:2012
2	Water heaters and/or heating containers	TCVN 5699-2-21:2013	IEC 60335-2-21:2012
3	Hair dryers	TCVN 5699-2-23:2013	IEC 60335-2-23:2012
4	Water boiling kettles	TCVN 5699-2-15:2013	IEC 60335-2-15:2012
5	Rice cookers	TCVN 5699-2-15:2013	IEC 60335-2-15:2012
6	Electric fans	TCVN 5699-2-80:2007	IEC 60335-2-80:2004
7	Electric irons	TCVN 5699-2-3:2010	IEC 60335-2-3:2008
8	Microwave ovens	TCVN 5699-2-25:2007	IEC 60335-2-25:2005
9	Electric ovens (Toaster, grill, roaster...)	TCVN 5699-2-9:2017	IEC 60335-2-9:2016
10	Electric cables with nominal voltage above 50 V and under 1000 V		

	- Polyvinyl chloride insulated cables with nominal voltage 450/750 V - Other electric cables with nominal voltage above 50 V under 1000 V	TCVN 6610-1:2014 TCVN 6610-3:2000 TCVN 6610-4:2000 TCVN 6610-5:2014 Applicable national, regional or international standards	IEC 60227-1:2007 IEC 60227-3:1997 IEC 60227-4:1992, a1:1997 IEC 60227-5:2011 Applicable national, regional or international standards
11	Water heating devices of dipping type	TCVN 5699-2-74:2010	IEC 60335-2-74:2009
12	Tea and coffee makers	TCVN 5699-2-15:2013	IEC 60335-2-15:2012
13	Hand dryers	TCVN 5699-2-23:2013	IEC 60335-2-23:2012

7 REGULATORY AUTHORITY'S REQUIREMENTS

The Regulatory Authority monitors the safety of the controlled goods sold in Viet Nam by investigating all complaints, incidents and accidents reported to the authority. Experiences gained are expected to be translated into the Regulatory Authority's Requirements. These new requirements are to be fulfilled in addition to the applicable safety standards.

No	Items	Requirements
1	Conformity to Regulations or Conformity (CR) Mark	All controlled goods must bear CR mark based on Certificate of conformity issued by the designated third-party CAB.
2	Certificate of conformity/Report of conformity	For products being certified according to system 5, Certificate of conformity/ Report of conformity shall be valid no more than three (3) years. For products being certified according to system 7, Certificate of conformity/Report of conformity is valid for the lot only. The Certificated systems according to the Circular No. 28/2012/QD-BKHHCN, dated 12 December 2012
3	All appliances	Vision inspection

4	All appliances	Quick test: insulated resistance, leakage current, etc (according to applicable safety standard specified in the Technical Regulation)
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8 REGISTRATION PROCEDURE/AFFIXING THE QR MARK/ REGISTRATION OF SUPPLIERS

Suppliers who wish to supply the controlled goods into Viet Nam’s market shall submit a set of specified technical file to the Regulatory Authority. The Regulatory Authority will proceed a documents review. If no evidence of compliance of goods with the Technical Regulation has been found, the Regulation Authority will request conformity assessment.

The supplier shall submit them to designated third-party CAB for certification. The designated third-party CAB maybe a local or foreign based under an appropriate mutual recognition agreement (MRA) and will be hereinafter referred as a Listed **CAB (Appendix D & E)**.

Controlled goods shall be certificated using system 5 in general including Factory Inspection, type testing of selected samples and frequent after-certification surveillance (not more than 12 months).

The supplier can also apply for Certification by system 7 including testing, assessment for the lot.

After the controlled goods have been successfully certified for conformity to Technical Regulation, the listed CAB shall issue **Certificate of Conformity (CoC)** with Certification Code and guidance for supplier to prepare CR Mark according to the most current specification. The suppliers can then affix the **CR Mark (Appendix C)** either on the registered controlled goods or their packaging.

Then the suppliers submit complete technical file as specified in Chapter 10 and proceed registration of the controlled goods to Regulatory Authority before commencing supply to the market.

The **Certificate of Conformity (CoC)** is valid for the lot submitted only if controlled products are certified according to system 7.

The **Certificate of Conformity** is valid no more than three (3) years if controlled products are certified according to system 5.

The certification code (XXXX-YY/ABC) is a unique number issued by the listed CAB which is traceable to the Suppliers and the registered controlled goods of

type/model/lots under the particular certification. The connotation of the certification number is as following:

XXXX = serial number (e.g. 1234)

YY = the last 2 digits of year of certification (e.g. 01 for year 2001)

ABC = CAB's name (e.g. QUACERT)

A flow-chart for registration of controlled goods is found in Appendix B.

Suppliers who have test reports issued by testing laboratories of the listed CABs can apply test reports to the local listed CABs only for certification of their controlled goods. The local listed CABs shall certify the controlled goods without re-testing unless the test reports are found not to be in full compliance to the safety requirements specified in this booklet.

The importer after receiving the certification of regulation must register at quality control inspection agency in accordance with Decree 74/2018/ND-CP dated 15 May 2018, amending and supplementing a number of articles of the decree no. 132/208/ND, CP dated 12 December 2008 providing specific guidance on enforcement of the law on the quality of products and goods and Decree 154/2018/ND-CP dated 9 November 2018 amending, supplementing and repealing certain regulations on investment and business conditions in sectors under management of ministry of science and technology and certain regulations on specialized inspections.

9 MODIFICATIONS OF REGISTERED CONTROLLED GOODS

Modification (including technical and non-technical changes) refers to any change made to the registered controlled goods. Non-technical changes are (i) colour change; (ii) change relating only to factory location but without change in the manufacturing process (including testing facilities) or a change of the manufacturer; and/or (iii) change in the year of production.

The Suppliers may approach the Regulatory Authority to determine whether re-certification of the registered controlled goods is required as a result of modification.

The Suppliers shall update their technical file on the registered controlled goods with details of the change.

In a case where there is modification to the registered controlled goods, the following scenarios shall apply:

a) If the modification does not result in a change in the model number even though the change is a technical one:

- i) The controlled goods have to be re-registered with the Regulatory Authority.
- ii) The Supplier only needs to submit the modification to the certifying Listed CAB for updating related certification files and/or re-certification if necessary. The Supplier is to update the technical file with the test report and certification attesting that the modification still meets the safety standard requirements.

b) If the modification does not result in a change in the model number and the change is a non technical one, which does not affect safety aspects of the controlled goods:

- i) The controlled goods have to be re-registered with the Regulatory Authority.
- ii) The controlled goods do not have to be re-certified.
- iii) The Supplier only needs to update the technical file with the modification, e.g. merely change(s) in the aesthetics that does (do) not affect the safety of the controlled goods.
- iv) The Supplier shall be responsible to ensure that the modification does not compromise the safety of the controlled goods.

c) If the modification results in a change in the model number and the change is a technical one:

- i) The controlled goods have to be re-registered with the Regulatory Authority as per procedure indicated in Chapter 8.
- ii) The controlled goods have to be re-certified with the Listed CAB as per procedure indicated in Chapter 8.
- iii) A new CoC bearing a new certification code is required
- iv) The Supplier needs to create a new technical file.

d) If the modification results in a change in the model number even though the change is a nontechnical one and does not affect the safety of the controlled goods:

- i) The controlled goods do not have to be re-certified but the change in model number of the certified controlled goods shall be updated to the listed CAB provided the original certification. The CAB shall have to revise the technical files to decide the appropriate action(s) regarding the certified goods under review including certification code issue.
- ii) The controlled goods have to be re-registered with the Authorized Local Quality Control Body.
- iii) The Supplier needs to update a technical file and submit to the listed CAB provided original certification for revision.

10 TECHNICAL FILE

Every Supplier in Viet Nam is required to maintain technical files of all their registered controlled goods for at least ten (10) years from the date of issue of the CoC or the last renewed CoC. The requested contents of the technical files are specified in the table below.

CAB is required to maintain certify file for at least six (6) years from the date of expiry date of the certificate.

The maintenance of the technical files is necessary to enable the Regulatory Authority to carry out its investigation duties in the event of a complaint, incident or accident. Upon receiving request made by the Regulatory Authority, the Suppliers must provide the relevant technical files to the Regulatory Authority. In addition, the Suppliers shall be responsible for the regular updating of the technical files especially if there have been modifications made to the registered controlled goods. Supplementary testing and certification are required if there are modifications with safety implications.

LIST OF DOCUMENTS TO BE INCLUDED IN THE TECHNICAL FILE

No.	Type of Document
1	Certificate of Conformity
2	Test Reports *
3	Full Electrical Wiring/Circuit Diagrams or Service Manual (Circuit diagrams must indicate the component's values, or alternatively, be supported with Bill of Material/Part List.)
4	Photographs showing exterior (whole, front, top and rear view of controlled goods, nameplate, rating label, mains plug, etc.) and interior (critical safety components) views. Polaroid photographs as well as photocopies (in black and white) are not acceptable. Photographs for similar/derived models must also be kept together with the photographs of the basic model.
5	Rating Label (if it is not clear in the photograph) To provide an original or clear photograph or artwork.
6	User's Instruction Manual (English version must be included for the imported goods and Vietnamese version is highly recommended (the Manual in Vietnamese is required for the goods to be distributed in domestic market)
7	Record of Modification , if any

Note:

* Suppliers are strongly encouraged to maintain the testing results of every registered controlled goods. The testing results may be of help to determine whether the fault occurring in an incident or accident is attributed to a single product or a single batch.

Appendix A

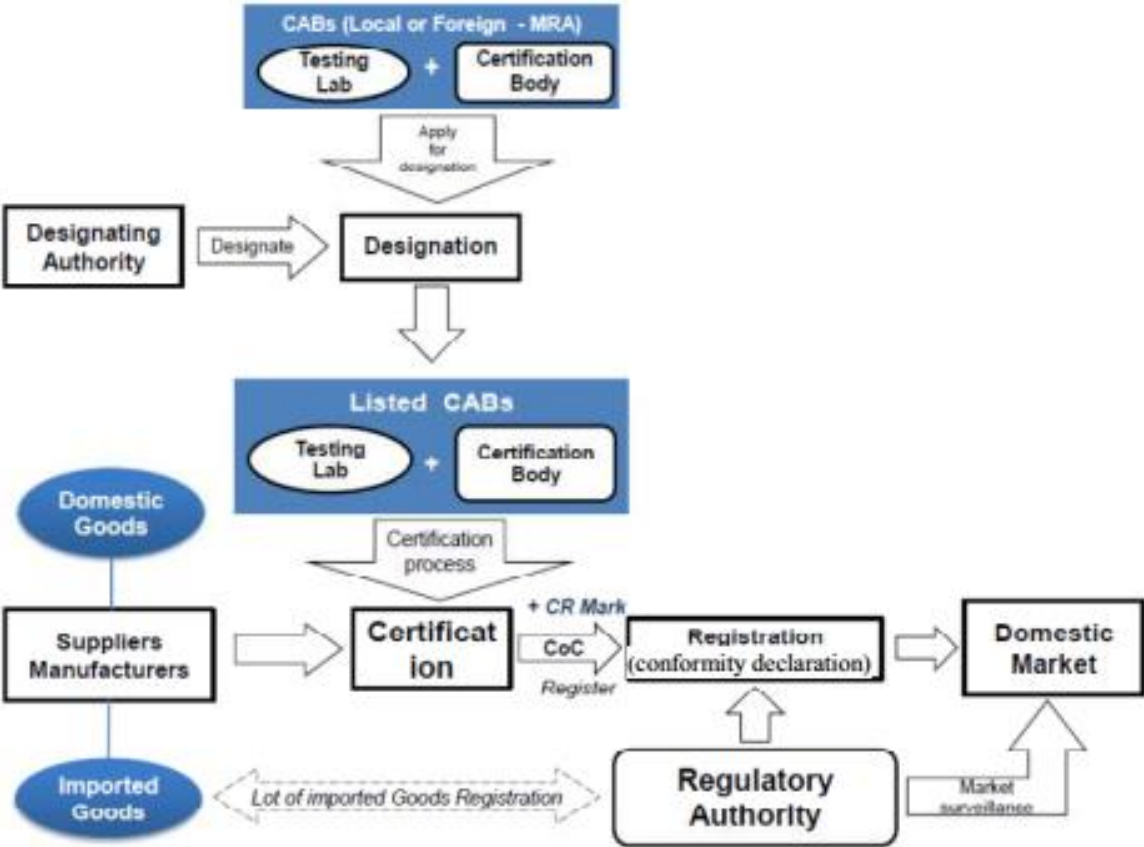
TERMS AND DEFINITIONS

For the purposes of this document, the following terms and definitions apply.

- 1 **CAB** means Conformity Assessment Body that conducts Conformity assessment for Controlled Goods.
- 2 **CAB (Local)** means CAB that is located in Viet Nam and is designated by Directorate for Standards, Metrology and Quality, the Designating Authority to issue CoC for products or controlled goods supplied in Vietnam.
- 3 **CAB (Foreign - MRA)** means CAB that is located in the MRA partner country designated by the Designating Authority of the MRA partner country to issue CoC which is recognized and/or accepted by the Vietnamese Designating Authority.
- 4 **Listed CAB** is CAB (Local) or CAB (Foreign - MRA)
- 5 **CoC** means Certificate of Conformity issued by either CAB (Local) or CAB (Foreign- MRA).
- 6 **Controlled** goods means any goods of a type, class or description specified in the Technical Regulation on EE products safety QCVN 4:2009/BKHCHN.
- 7 **MRA** means a Mutual Recognition Agreement or Arrangement between Viet Nam and any other country/territory.
- 8 **RTL** means a Recognized Testing Laboratory.
- 9 **Registered controlled goods** means any controlled goods registered with the Regulatory Authority.
- 10 **Regulator** means Ministry of Science and Technology authorized by the Government to take full responsibility to manage quality of the specified group of goods and product and the Provincial Body authorized by local government for goods and products quality management within the city or province's scope.
- 11 **Designating Authority** means Directorate for Standards, Metrology and Quality authorized by the Regulator to manage Quality and Safety Assurance system to the controlled electrical and electronic products.
- 12 **Regulatory Authority** means Provincial/Municipal Department for Standards, Metrology and Quality authorized by the Designating Authority to implement Quality and Safety Assurance system and regulations for electrical and electronic products.
- 13 **CR Mark** means the Mark of conformity to Technical Regulation
- 14 **IEC** means the International Electrotechnical Commission.
- 15 **TCVN** means Vietnamese National Standard.

Appendix B

FLOW-CHART FOR DESIGNATION, CONFORMITY ASSESSMENT AND REGISTRATION



Appendix C

GUIDELINES FOR USING CR MARK ON THE REGISTERED GOODS

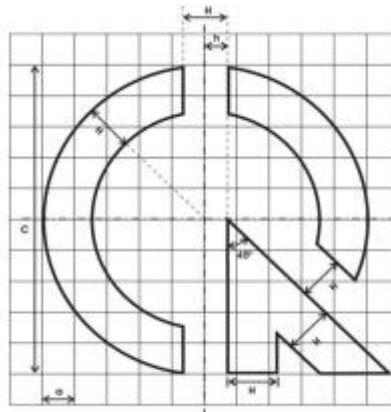
1) Structure and size of mark of conformity to technical regulations shall be defined as follows.

i) The conformity mark shall be formed as description at Figure 1.



Figure 1 – Form of the CR Mark of conformity to technical regulations

ii) The basic composition of mark of conformity to technical regulations shall be detailed in Figure 2.



Note

$$H = 1,5 a$$

$$h = 0,5 H$$

$$C = 7,5 H$$

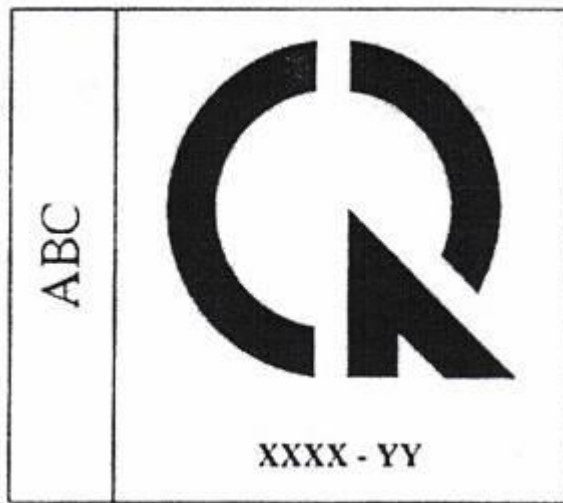
Figure 2 – Basic composition of CR mark of conformity to technical regulations

2) The CR Mark may be fixed directly on products/goods or on packages at visible readable position, while can be printed in attached technical documents.

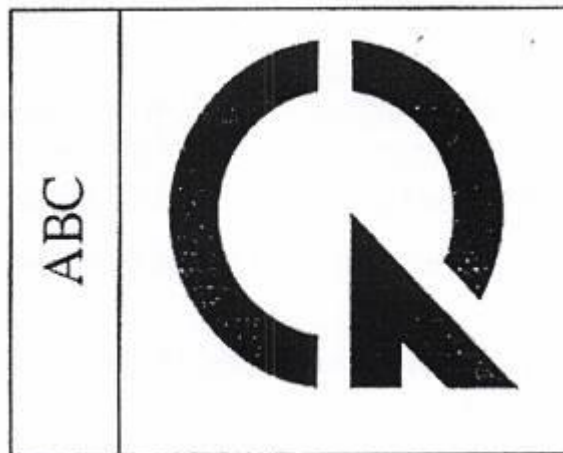
3) The CR Mark may be made larger or smaller but has to be kept with the defined dimensional ratio and visibility.

4) The CR Mark shall be presented only in a same colour.

5) The CR Mark applied for EEE products which are certified according to system 5:



6) The CR Mark applied for EEE products which are certified according to system 7:



Appendix D
CONFORMITY ASSESSMENT BODIES (LOCAL)

I) Designated Certification Body – For Product Certification (CoC)

No.	Name of conformity assessment organization	Address
1.	Quality Assurance and Testing Center 1 (Quatest 1)	No. 8 Hoang Quoc Viet - Cau Giay District - Hanoi
2.	Quality Assurance and Testing Center 2 (Quatest 2)	No. 02 Ngo Quyen, Son Tra District - Da Nang City (or No. 97 Ly Thai To - Da Nang City)
3.	Quality Assurance and Testing Center 3 (Quatest 3)	No. 49 Pasteur-District 1 - Ho Chi Minh City
4.	Viet Nam Certification Center (Quacert)	No. 8 Hoang Quoc Viet - Cau Giay District - Hanoi
5.	Technical Center of Standards Metrology and Quality (under the Sub-Department of Standards, Metrology and Quality of Quang Tri Province)	No. 43 Le Loi Street, Dong Ha City - Quang Tri Province
6.	Institute for Standard and Quality Development Studies (ISSQ)	No. 52, lane 46, Lien Mac road, Lien mac ward, North of Tu Liem distric, Ha noi
7.	Vietcert Certification and Inspection Centre	123 Nguyen Duc Trung, Thanh Khe, Da Nang
8.	Vietnamcontrol Sterilization Inspection Joint Stock Company	2/3A Nguyen Thi Minh Khai, Dakao Ward, District 1, Ho Chi Minh City.
9.	TQC Center for Testing and Quality Certification	No. 08, alley 127/30, lane 127, Van Cao street, Lieu Giai ward, Ba Dinh district, Hanoi city Office Delivered: Floor No.6, 41 Pham Tuan Tai, Co Nhue 1, Bac Tu Liem, Ha Noi
10.	Ho Chi Minh City Technical Center of Standards Metrology and Quality	263 Dien Bien Phu, Ward 7, District 3, Ho Chi Minh City

11.	TTP Certification and Inspection Joint Stock Company	<p>Address: No. 298 Mai Anh Tuan Street, Thanh Cong Ward, Ba Dinh District, Hanoi City</p> <p>Contact address: house number 25, garden house 5, housing area of General Department 5, Yen Xa, Tan Trieu commune, Thanh Tri district, Hanoi city</p>
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II) Testing Laboratories – For Product Testing

No.	Name of conformity assessment organization	Address
1.	Quality Assurance and Testing Center 1 (Quatest 1)	No. 8 Hoang Quoc Viet - Cau Giay District - Hanoi
2.	Quality Assurance and Testing Center 2 (Quatest 2)	No. 02 Ngo Quyen, Son Tra District - Da Nang City (or No. 97 Ly Thai To - Da Nang City)
3.	Quality Assurance and Testing Center 3 (Quatest 3)	No. 49 Pasteur-District 1 - Ho Chi Minh City
4.	Viet Nam Certification Center (Quacert)	No. 8 Hoang Quoc Viet - Cau Giay District - Hanoi
5.	Can Tho Technical Center of Standards Metrology and Quality	No. 45, 3/2 street, Xuan Khanh ward, Ninh Kieu district - Can Tho city
6.	Quang Ninh Technical Center of Standards Metrology and Quality	Km 5 Nguyen Van Cu street, Hong Ha ward, Ha Long city - Quang Ninh province
7.	Hai Phong Technical Center of Standards Metrology and Quality	240 Van Cao, Dang Giang Ward, Ngo Quyen District, Hai Phong City
8.	Binh Dinh Quality Measurement and Analysis Center	No. 173-175 Phan Boi Chau, Quy Nhon, Binh Dinh
9.	Center of Science and Technology Application and Development and Standards Metrology and Quality	No. 428 Hung Vuong Street, Co Man Village, Mai Pha Commune, Lang Son City, Lang Son Province
10.	Science and Technology Center (under the Department of Science and Technology of Dong Nai province)	No. 1597 Pham Van Thuan, Thong Nhat ward, Bien Hoa city, Dong Nai province
11.	Ho Chi Minh City Technical Center of Standards Metrology and Quality (under the Department of Standards, Metrology and Quality of Ho Chi Minh City)	No. 263 Dien Bien Phu, Ward 7, District 3 - Ho Chi Minh City

12.	Deming Institute for Quality Productivity	<p>- Head office: 28 An Xuan, An Khe ward, Thanh Khe district, Da Nang city.</p> <p>- Address of the testing room: Lot 21-22, B1.6, Quang Thanh 3B residential area, Hoa Khanh Bac ward, Lien Chieu district, Da Nang city.</p>
13.	Thai Binh Technical Center of Standards Metrology and Quality	No. 36A, Quang Trung Street, Thai Binh City - Thai Binh Province
14.	Vietnamcontrol Sterilization Inspection Joint Stock Company	<p>Business registration address: 136 Le Dinh Can, Tan Tao ward, Binh Tan district, Ho Chi Minh city.</p> <p>Operation office address: No. 94 Nguyen Cuu Van, Ward 17, Binh Thanh District, Ho Chi Minh City.</p> <p>Testing Lab Address: Testing Center of Vietnamcontrol Sterilization Inspection Joint Stock Company - No. 19 Binh Trung, Binh Trung Dong Ward, District 2, Ho Chi Minh City.</p>
15.	Institute for Standard and Quality Development Studies (ISSQ)	<p>No. 52, lane 46, Lien Mac road, Lien mac ward, North of Tu Liem Distric, Ha Noi</p> <p>Testing Lab Address: No 655 Pham Van Dong, Co Nhue 1, Bac Tu Liem, thành phố Hà Nội</p>

Appendix E
CONFORMITY ASSESSMENT BODIES (FOREIGN - MRA)

“Listed Testing Laboratories and Certification Bodies under the ASEAN Sectoral MRA for Electrical and Electronic Equipment”, is available on the ASEAN website:

<https://asean.org/listed-testing-laboratories-and-certification-bodies-under-the-asean-sectoral-mra-for-electrical-and-electronic-equipment/>

COUNTRY	NAME OF LISTED BODY	TYPE OF CAB	LISTING SINCE	VALIDITY PERIOD OF LISTING
INDONESIA	PT Sucofindo – SBU laboratory	Testing Laboratory	22 July 2020	22 July 2020 – 21 July 2023
	PT Sucofindo, SBU & Eco Framework – SCIS	Certification Body	23 Sept 2020	23 Sept 2020 – 22 Sept 2023
	Balai Besar Bahan dan Barang Teknik (B4T)	Testing Laboratory	12 Feb 2019	12 Feb 2019 – 11 Feb 2022
	Balai Pengujian Mutu Barang (BPMB)	Testing Laboratory	22 July 2020	22 July 2020 – 21 July 2023
	Balai Sertifikasi Direktorat Standarisasi dan Pengendalian Mutu Barang	Certification Body	6 Mar 2019	6 Mar 2019 – 5 Mar 2022

	(LSPRO PPMB)			
	PT UL International Indonesia	Certification Body	15 March 2021	15 March 2021 – 14 March 2024
		Testing Laboratory	15 March 2021	15 March 2021 – 14 March 2024
	PT. Qualis Indonesia	Certification Body	17 December 2019	17 Dec 2019 – 16 Dec 2022
MALAYSIA	Psychrometric Laboratory & Cal/ Bration Laboratory Daikin Research and development Malaysia Sdn. Bhd		1 September 2020	1 September 2020 – 31 August 2023
		Testing Laboratory	26 November 2018	26 November 2018 – 12 September 2020
		Testing Laboratory	1 August 2019	1 August 2019 – 31 July 2023
			1 August 2020	1 August 2020 – 31 July 2023
	SIRIM QAS International Sdn.Bhd, Malaysia	Certification Body	1 August 2019	1 August 2019 – 31 July 2020

SINGAPORE			19 Nov 2020	19 Nov 2020 – 18 Nov 2023
	UL International-Singapore Pte Ltd	Testing Laboratory	23 Dec 2019	23 Dec 2019 – 18 Nov 2020
			20 May 2021	20 May 2021 – 19 May 2024
			6 June 2020	6 June 2020 – 19 May 2021
	SETS Singapore	Testing Laboratory	19 January 2007	7 June 2017 – 6 June 2020
				3 Dec 2018 – 2 Dec 2021
		Testing Laboratory	3 Dec 2018	3 Dec 2018 – 20 Sept 2020
			15 August 2021	15 Aug 2021 – 14 Aug 2024
	TUV SUD PSB PTE Ltd, Singapore	Certification Body	15 August 2018	15 August 2018 – 14 August 2021
	SGS Testing and Control Services Singapore Pte Ltd	Certification Body	8 August 2018	12 August 2020 – 11 August 2023
				08 August 2018 – 11

				August 2020
		Certification Body	14 September 2020	14 Sept 2020 – 13 Sept 2023
			27 September 2017	10 January 2018 – 13 September 2020
				19 April 2018 – 18 April 2021
	Intertek Testing Services (S) Pte Ltd	Testing Laboratory	3 September 2020	3 Sep 2020 – 2 Sep 2023
	SGS (Thailand) Limited	Testing Laboratory	22 Nov 2019	22 Nov 2019 – 26 May 2022
	PTEC Thailand		25 Feb 2019	25 Feb 2019 – 24 Feb 2022
	Underwriters Laboratories (Thailand) Limited (UL Thailand)	Testing Laboratory	21 Dec 2018	21 Dec 2018 – 14 Aug 2021
	Intertek Testing Services (Thailand) Limited. (ITS Thailand-2)	Testing Laboratory	27 Aug 2018	27 Aug 2018 – 26 Aug 2021
THAILAND				

	Intertek Testing Services (Thailand) Ltd. (ITS Thailand-1)	Testing Laboratory	25 January 2006	14 April 2020 – 13 April 2023	
				17 Aug 2017 – 12 Jun 2020	
				13 Jun 2017 – 12 Jun 2020	
				14 May 2018 – 12 Jun 2020	
		Certification Body		26 Mar 2019 – 25 Mar 2022	
	Electrical and Electronics Institute, Foundation for Industrial Development (EEI Thailand)	Testing Laboratory	23 April 2019	23 April 2019 – 25 April 2022	
				6 February 2017	6 February 2017 – 5 February 2020
				1 October 2014	23 May 2017 – 5 February 2020
				26 March 2019	26 March 2019 – 21 October 2021
	Quality Assurance and Testing Centre 1 (QUATEST 1)	Testing Laboratory	14 June 2005	30 October 2017 – 24 October 2020	
VIET NAM				25 October 2020	25 October 2020 –

				24 October 2023
	Quality Assurance and Testing Centre 3 (QUATEST 3)	Certification Body	23 October 2020	23 Oct 2020 – 10 Apr 2023