

**MUTUAL RECOGNITION ARRANGEMENT ON CONFORMITY  
ASSESSMENT OF ELECTRICAL AND ELECTRONIC EQUIPMENT**

**APEC EEMRA  
Information Interchange Format**

**PART 1**

## **Introduction**

This format is being prepared to assist member economies participating in the APEC MRA to prepare documentation required for participation in a consistent format.

It is expected that each participating member economy would submit their information in the recommended format to the APEC Secretariat as required by the MRA.

The format is based on the Information Notes on Good Practice for Technical Regulation and therefore provides for information to be supplied for each of the regulatory regimes identified in the notes. There are 7 regimes, they are for products requiring inspection, products requiring licensing, products requiring batch testing, products requiring approval (or certification), products requiring listing or registration, supplier declarations and essential safety requirements. Participating member economies need only provide information relating to the regimes which are in force in their economy. The regimes that are not enforced by the economy need to be noted also, please indicate this by placing 'none' in the standards table on the front of each regime.

Where more than one regulatory system applies within a participating member economy information on each regulatory system should be provided separately.

The format also draws upon the survey on Conformity Assessment of Electrical and Electronic Equipment conducted by the APEC SCSC. The format includes reference to applicable international standards and uses the international convention for describing the relationship of national and international standards, i.e. IDT for identical, MOD for modified, and NEQ for not equal.

When information makes reference to documents or legislation, the documents or legislation should be available on a website for that economy or provided as part of the information supplied to the APEC Secretariat.

## ECONOMY – CHILE

### APEC EEMRA Information Interchange Format

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## PART I – INFORMATION EXCHANGE

### **Regime Overview**

The government agency responsible for electrical appliances is the Superintendence of Electricity and Fuels, SEC, which depends on the Ministry of Energy. The most important legislation is the Supreme Decree of the Ministry of Economy N°298 issued on Nov 10 de 2005, which regulates certification of electrical appliances y de combustibles.

SEC has a list of electrical products which need to be certified in order to be sold onto market. As it is stated on Decree 298, certification can be carried out by next methods:

Sistemas	Denominación	Descripción	Código
1	Test of type followed of the regular control of products	System based on the test of type but with certain action of pursuit, directed to verify that the subsequent production is in agreement. The test of the factory samples implies a regular control of the samples of the models submissive the type test, selected of the production of the manufacturer, before its delivery to the client. The following cases can be distinguished:	
		a) System ISO/CASCO N° 3 for products manufactured and tested in Chile	011
		b) System ISO/CASCO N° 3 for products manufactured abroad, whose test of type is made in Chile, and the tests of the subsequent samples are made abroad.	012
		c) For products manufactured abroad, whose tests of type and the samples of the subsequent lots of products are carrying out in Chile.	013
2	Test of type and factory quality control evaluation tests and its acceptance followed of surveillance that it takes consideration factory quality control audit and factory and market samples test.	System based on the test of type, with evaluation and approval of the manufacturer quality control dispositions, followed of regular surveillance by factory quality control inspection and market and factory samples test. The next cases can be distinguished:	
		a) System ISO/CASCO N° 5 for products manufactured and tested in Chile	021
3	Test of lots	b) System ISO/CASCO N° 5 for products manufactured abroad, whose test of type is carry out in Chile and the subsequent factory samples tests are carry out for Chile, abroad.	022
		The test of lots is a system where one lot of one product or family of products is put under simple test and a verdict is emitted on the conformity with the specification (System ISO/CASCO N°7)	031
4	100% test	The 100% test is a system which all the products are test one by one, according to the requirements ready by the Superintendence of Electricity and Fuel using the protocols of analysis and/or tests.	
		The following cases are distinguished:	
		a) System ISO/CASCO N° 8 for products tested in Chile.	041
		b) System ISO/CASCO N° 8 for products tested "in situ" in Chile.	042
		c) System ISO/CASCO N° 8 for made and tested products abroad.	043

5	Test of type, followed of audit of the system of quality of the manufacturer.	System based on the test of type, followed of annual audits of the system of quality control used by the manufacturer. The following cases are distinguished:	
		a) System ISO/CASCO N° 1 (Test of type) followed of annual audits of the quality system used by the manufacturer, in Chile.	051
		b) System ISO/CASCO N° 1 (Test of type) in Chile, followed of annual audits of the quality system used by the manufacturer, abroad.	052
6	Special	System based on the recognition of certificates of type, approval, seal of quality and mark of conformity, emitted by organisms of certification with address out of the country, followed by the extraction of a sample of one lot, which is put under the analyses and/or tests established in the respective laboratories protocols.	061
7	Mutual Recognition	System based on the mutual recognition in matters of fuel and electrical product certification between the State of Chile and a state or a group of States, and will be rule according to the standards accepted by the parts.	071

There is also the possibility that a certification body authorized by the Superintendency sign an agreement with a foreign laboratory accredited by an IAF member, in order that you can use test reports to certify products (art. 18°, D.S. 298)

### Legislative References

<b>Legislation Applicable</b>	<b>Scope of the Legislation</b>	<b>Government Agency</b>
Ministry of Economy's Decree N°298 of 10.11.2005	Certification of Low Voltage Electrical and fuels appliances.	Superintendence of Electricity and Fuel
Law 18.410	Create the Superintendence of Electricity and Fuels and set up their attributions	Superintendence of Electricity and Fuel

1. **PRODUCTS REQUIRING INSPECTION (Not applicable in Chile)**
2. **PRODUCTS REQUIRING LICENSING (Not applicable in Chile)**

### 3. PRODUCTS REQUIRING BATCH TESTING

This system will apply to:

Each imported or produced batch of the products listed on point 4, which choose this system (System 1 and 3).

### 4. PRODUCTS REQUIRING APPROVAL (OR CERTIFICATION)

The approval system requires evaluation (type test) of a sample or samples for compliance with a standard or specification set by the Superintendence of Electricity and fuels.

Products can't be sold unless they have approval certificate

The products need to be marked or labeled to indicate that they are certified

#### Products covered by approvals (or certification)

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Tin openers		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Air Conditioners		✓	IEC 60335-2-40:2005; IEC 60335-01:2006	IDT
adapters		✓	IEC 884-1:1994; IEC 884-2-5:1995-07; CEI 23-50:2007-03	IDT
Knife sharpener		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
heating pads		✓	IEC 60335-2-17	IDT
Butter kneaders		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
			con A1:2004 y A2:2006	
Portable furnace		✓	IEC 60335-2-6	IDT
Appliances for hair care		✓	IEC 60335-2-23	IDT
Massage artifacts		✓	IEC 60335-2-32	IDT
Roasters		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Vacuum cleaner		✓	IEC 60335-2-2	IDT
Discharge lamp ballast for Steam	(NCh 3110. Of2008	✓	IEC 61347-2-9:2006; IEC 61347-1:2007; IEC 60923:2006)	IDT
Fluorescent lamp ballast		✓	IEC 61347-2-8:2006-03; IEC 61347-1:2000-10	IDT
electronic ballasts for fluorescent lamps		✓	IEC 61347-2-3:2011-05; IEC 61347-1:2007-01, Adenda A1:2010-07	IDT
Mixer		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Cooking pans		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Coffee maker		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Espresso coffee-maker		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Nonmetallic boxes bypass		✓	IEC 60670-1:2015; IEC 60670-23:2006	IDT
Heating elements with light or ventilation		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
Panel heaters		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
Convection heating		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
Liquid-filled radiators		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
tubular heating		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
Heating blankets		✓	IEC 60335-2-17	IDT
Livestock feed boilers		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
<b>Bottle warmer</b>		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Milk heater		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
heated dishes		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Range hoods		✓	IEC 60335-2-31	IDT
Spin extractors		✓	IEC 60335-2-4	IDT
Kitchen Center		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Sieving machines		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Cooking ranges		✓	IEC 60335-2-6	IDT
<b>Conductor H03VV-F</b>		✓	IEC 60227-5:2003; IEC 60227-1:2007, IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor H03VVH2-F</b>		✓	IEC 60227-5:2003; IEC 60227-1:2007, IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor H05RN-F</b>		✓	IEC 60245-4:2004; IEC 60245-1:2008; IEC 60228:2004	IDT
<b>Conductor H05RR-F</b>		✓	IEC 60245-4:2004; IEC 60245-1:2008; IEC 60228:2004	IDT
<b>Conductor H05VV-F</b>		✓	IEC 60227-5:2003; IEC 60227-1:2007; IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor H05VVH2-F</b>		✓	IEC 60227-5:2003; IEC 60227-1:2007; IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor H07RN-F</b>		✓	IEC 60245-4:2004; IEC 60245-1:2008; IEC 60228:2004	IDT
<b>Conductor H07V-K</b>		✓	IEC 60227-3:1997; IEC 60227-1:2007; IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-	IDT



Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
			2:2004; IEC 60332-1-3:2004	
<b>Conductor H07V-R</b>		✓	IEC 60227-3:1997; IEC 60227-1:2007; IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor H07V-U</b>		✓	IEC 60227-3:1997; IEC 60227-1:2007; IEC 60228:2004, IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor H07Z1-K</b>		✓	UNE 211002:2008; IEC 60332-1:2004; IEC 60332-3-24:2008; IEC 61034-2:2005; IEC 60754-1:1994; IEC 60754-2:1997; IEC 60684-2:2005	IDT
<b>Conductor H07Z1-R</b>		✓	UNE 211002:2008; IEC 60332-1:2004, IEC 60332-3-24:2008; IEC 61034-2:2005; IEC 60754-1:1994; IEC 60754-2:1997; IEC 60684-2:2005	IDT
<b>Conductor H07Z1-U</b>		✓	UNE 211002:2008; IEC 60332-1:2004; IEC 60332-3-24:2008; IEC 61034-2:2005; IEC 60754-1:1994; IEC 60754-2:1997; IEC 60684-2:2005	IDT
<b>Conductor HPDC</b>	NCh2013.Of87	✓		
<b>Conductor NSYA</b>	NCh2019.Of87	✓		
<b>Conductor NYA</b>	NCh2019.Of87	✓		
<b>Conductor NYIFY</b>	NCh2019.Of87	✓		
<b>Conductor NYLHY</b>	NCh2019.Of87	✓		
<b>Conductor NYMHY</b>	NCh2019.Of87	✓		
<b>Conductor PDVCC</b>	NCh2013.Of87	✓		
<b>Conductor RV</b>		✓	IEC 60502-1:2009; IEC 60228:2008; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
			3:2004	
<b>Conductor RV-K</b>		✓	IEC 60502-1:2009; IEC 60228:2004; IEC 60332-1-1:2004; IEC 60332-1-2:2004; IEC 60332-1-3:2004	IDT
<b>Conductor RZ1</b>		✓	IEC 60502-1:2009; IEC 60228:2004; IEC 60332-1:2004; IEC 60332-3-24:2008; IEC 61034-2:2005; IEC 60754-1:1994; IEC 60754-2:1997; IEC 60684-2:2005	IDT
<b>Conductor RZ1-K</b>		✓	IEC 60502-1:2009; IEC 60228:2004; IEC 60332-1:2004; IEC 60332-3-24:2008; IEC 61034-2:2005; IEC 60754-1:1994; IEC 60754-2:1997; IEC 60684-2:2005	IDT
<b>Conductor SE</b>	NCh2013.Of87	✓		
<b>Conductor SJO</b>	NCh2013.Of87	✓		
<b>Conductor SJT</b>	NCh2013.Of87	✓		
<b>Conductor SO</b>	NCh2013.Of87	✓		
<b>Conductor SPT-1</b>	NCh2013.Of87	✓		
<b>Conductor ST</b>	NCh2013.Of87	✓		
<b>Conductor SVT</b>	NCh2013.Of87	✓		
<b>Conductor THHN</b>	UL-83:2008; UL-2556:2007	✓		
<b>Conductor THWN</b>	UL-83:2008; UL-2556:2007	✓		
Conductors for low pressure	NCh2013.Of87	✓		
Food-frezers		✓	IEC 60335-2-24	IDT
Lawn mower		✓	IEC 60745-2-15	IDT
Clippers		✓	IEC 60335-2-8	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Plastic cutter		✓	IEC 60335-2-45	IDT
Knife		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Circular knife		✓	IEC 60745-2-5	IDT
TV decoder (or Set Top Box)		✓	IEC 60065:2014	IDT
Electric razor		✓	IEC 60335-2-8	IDT
Food Dehydrator		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Screwdriver		✓	IEC 60745-2-2	IDT
Electronic control device for LED modules		✓	IEC 61347-2-13:2006-05; IEC 62384:2011-03	IDT
Shower		✓	IEC 60335-2-35	IDT
Lighters		✓	IEC 60335-2-45	IDT
Floor waxers		✓	IEC 60335-2-10	IDT
Plugs and Sockets		✓	IEC 60884-1:2006; CEI 23-50:2007-03	IDT
curler		✓	IEC 60335-2-23	IDT
Energizers for electric fences		✓	IEC 60335-2-76	IDT
Sound Equipment (Minicomponente and / or microcomponents)		✓	IEC 60065:2005-12	IDT
esmeriladora		✓	IEC 60745-2-3	IDT
Sterilizer		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Stove		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
Citrus fruit juice squeezers		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Electric overblankets		✓	IEC 60335-2-17	IDT
frying pan		✓	IEC 60335-2-13	IDT
Electric Water Bag	NCh2953.Of2005	✓	IEC 60335-1:2010-05; IEC 60335-2-17:2002-10;	NEQ

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
lighting chains		✓	IEC 60598-2-20; IEC 60598-1:2008-04	IDT
LED lighting chains		✓	IEC 60598-2-20:2010-02; IEC 60598-1:2008-04	IDT
marker Tools		✓	IEC 60335-2-45	IDT
Dehorning tools		✓	IEC 60335-2-45	IDT
Boiling water having a rated capacity not exceeding 10 L		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Egg boilers		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Home Theater		✓	IEC 60065:Edición 7.2 2001-02	IDT
Microwave cooking oven		✓	IEC 60335-2-25	IDT
oven Mobile		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Ovens		✓	IEC 60335-2-6	IDT
Printer		✓	CEI/IEC 60950-1/2005-12 + Corr 1 2006-08	IDT
bipolar and tripolar circuit breaker for domestic use		✓	IEC 60898-1	IDT
bipolar and tripolar circuit breaker for home use	NCh 2012 Of.86	✓		IDT
Automatic switch Unipolar for domestic use		✓	IEC 60898-1	IDT
Automatic switch Unipolar for home use	NCh 2012 Of.86	✓		IDT
Differential switch protection, voltage dependent		✓	IEC 61009-2-2	IDT
Differential switch protection, independent of the tension		✓	IEC 61009-2-1	IDT
Differential switch without protection, voltage dependent		✓	IEC 61008-2-2	IDT
Differential switch without protection, independent of the		✓	IEC 61008-2-1	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
tension				
Manual switch		✓	IEC 60669-1:2007	IDT
Centrifugal juicers for fruit and vegetables		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Steam discharge lamp with metal halide		✓	IEC 62035:2003; IEC 61167:1998	IDT
Discharge lamp with mercury vapor at high pressure		✓	IEC 60188:2001; IEC 62035:2003	IDT
Discharge lamp with sodium vapor high pressure		✓	IEC 60662:2002; IEC 62035:2003	IDT
Discharge lamp with sodium vapor at low pressure		✓	IEC 30192:2001; IEC 62035:2003	IDT
ballasted fluorescent lamp		✓	IEC 60968	IDT
Fluorescent lamp cap only		✓	IEC 61199 (1999)	IDT
Double-Capped Fluorescent Lamp		✓	IEC 61195(1999)	IDT
Incandescent lamp		✓	IEC 60432	IDT
halogen lamps		✓	IEC 60432-2:2005-05; IEC 60432-1:2005-05	IDT
tungsten halogen lamps with dichroic reflector		✓	IEC 60432-3:2012-07	IDT
Self-ballasted LED-lamps for general lighting		✓	IEC 62560:2011-02 y corrigendum 01.01.2012	IDT
Rug and upholstery shampooers		✓	IEC 60335-2-10	IDT
Washing machines		✓	IEC 60335-2-7:2008-06	IDT
Washing machines having tumble dryers		✓	IEC 60335-2-7:2008-06	IDT
Upholstery shampooers		✓	IEC 60335-2-10	IDT
Dishwashers		✓	IEC 60335-2-5	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Blenders for liquid		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Sander type different from disk		✓	IEC 60745-2-4	IDT
Type disc sander		✓	IEC 60745-2-3	IDT
rechargeable Flashlights		✓	IEC 60598-1:2008-04; IEC 60598-2-4:1997-04	IDT
Impact wrench		✓	IEC 60745-2-2	IDT
Luminaire for public lighting		✓	IEC 60598-2-3:2002; IEC 60598-1:2008; IEC 60529:2001	IDT
Projector luminaire for street lighting		✓	IEC 60598-2-5:1998-01; IEC 60598-1:2008-04; IEC 60529:2001-02	IDT
Floor polishers		✓	IEC 60335-2-10	IDT
Shavers		✓	IEC 60335-2-8	IDT
Slicing machines for beans		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Ice cream machines		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Machine Popcorn		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Breadmaker		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
slicing machine bread, cheese, meats		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Hammer		✓	IEC 60745-2-6	IDT
static bidirectional meter		✓	IEC 62053-21:2003; IEC 62052-11:2003	IDT
Static single-phase or three-phase class 0.2 and 0.5 S bidirectional meter		✓	IEC 62053-22:2003-01; IEC 62052-11:2003-02	IDT
Single-phase active energy meter classes 0.5, 1 and 2	NCh 2024/2	✓		
Phase active energy meter	NCh 2024/2	✓		

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
classes 0.5, 1 and 2				
Three-phase reactive power meter Class 3	NCh 2022	✓		
Electromechanical meter		✓	IEC 62053-11:2003; IEC 62052-11:2003	IDT
Static meter		✓	IEC 62053-21:2003; IEC 62052-11:2003	IDT
Static Meter (Electronic)		✓	IEC 62053-23:2003; IEC 62052-11:2003	IDT
static active electrical energy meter single or three phase class 0.2 and 0.5 S		✓	IEC 62053-22:2003-01; IEC 62052-11:2003-02	IDT
Blenders for food		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
LED modules for use in street lighting		✓	IEC 62031:2008-01	IDT
Three-phase motor		✓	IEC 60034-1:2004; IEC 60034-5:2000; IEC 60034-8 Ed.3 b:2007	IDT
Furniture commercial refrigerators		✓	IEC 60335-1:2010-05; IEC 60335-2-89:2010-02	IDT
Slow cookers		✓	IEC 60335-1:2010-05; IEC 60335-2-15:2008	IDT
Pressure cooker		✓	IEC 60335-1:2010-05; IEC 60335-2-15:2008	IDT
Wiggler		✓	IEC 60335-2-23	IDT
edger		✓	IEC 60745-2-15	IDT
Grill		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Potato peelers		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Graters and shredding machines for vegetables and fruit		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Heating pistols		✓	IEC 60335-2-45	IDT
Glue Guns		✓	IEC 60335-2-45	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Welding guns		✓	IEC 60335-2-45	IDT
Electric irons		✓	IEC 60335-1:2010-05; IEC 60335-2-3:2008	IDT
Griddle		✓	IEC 60335-2-6	IDT
Welding plates		✓	IEC 60335-2-45	IDT
desoldering irons		✓	IEC 60335-2-45	IDT
Lamp-holder		✓	IEC 60238	IDT
Polisher		✓	IEC 60745-2-3	IDT
Floor polisher		✓	IEC 60335-2-10	IDT
Polisher type different from disk		✓	IEC 60745-2-4	IDT
incandescent tips		✓	IEC 60335-2-45	IDT
Cheese graters		✓	IEC 60335-2-14:2008-09; IEC 360335-1:2001-4 con A1:2004 y A2:2006	IDT
Glue pots with a water jacket		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Fridge		✓	IEC 60335-2-24	IDT
Refrigerator-freezer		✓	IEC 60335-2-24	IDT
Paint removers		✓	IEC 60335-2-45	IDT
Blu-ray player		✓	IEC 60065:2005-12	IDT
DVD Player		✓	IEC 60065:2005-12	IDT
Floor Scrubber		✓	IEC 60335-2-10	IDT
Frying pans		✓	IEC 60335-2-13	IDT
Sauna face		✓	IEC 60335-2-23	IDT
Hair dryers		✓	IEC 60335-2-23	IDT
Hand dryers		✓	IEC 60335-2-23	IDT
Tumbler dryers		✓	IEC 60335-2-11	IDT
Circular saw		✓	IEC 60745-2-5	IDT
Welder duct		✓	IEC 60335-2-45	IDT
Welder ducts termoplasticos		✓	IEC 60335-2-45	IDT



Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
Welder sheets for domestic use		✓	IEC 60335-2-45	IDT
Drill		✓	IEC 60745-2-1	IDT
Impact drill		✓	IEC 60745-2-1	IDT
TV		✓	IEC 60065: Edición 7.2 2011-02	IDT
removedoras pincers		✓	IEC 60335-2-45	IDT
Thermos		✓	IEC 60335-2-21	IDT
Teapot with capacity up to 10 liters		✓	IEC 60335-1:20010-05; IEC 60335-2-15:2008	IDT
Toasters		✓	IEC 60335-1:2010-05; IEC 60335-2-9:2008	IDT
Flexible metal pipes		✓	IEC 61386-1 ed2.0 (2008-02); IEC 61386-23 ed1.0 (2002-02)	IDT
rigid metal pipes		✓	IEC 61386-1 ed2.0 (2008-02); IEC 61386-21 ed1.0 (2002-02)	IDT
Nonmetallic piping and piping systems bendable wire		✓	IEC 61386-1 ed2.0 (2008-02); IEC 61386-22 ed1.0 (2002-02)	IDT
Rigid conduit systems		✓	IEC 61386-1 ed2.0 (2008-02); IEC 61386-21 ed1.0 (2002-02)	IDT
Fan heaters		✓	IEC 60335-1:2010-05; IEC 60335-2-30:2009	IDT
Ceiling fan		✓	IEC 60335-2-80	IDT
Distribution fan		✓	IEC 60335-2-80	IDT
Pedestal fan		✓	IEC 60335-2-80	IDT
Desk fan		✓	IEC 60335-2-80	IDT
extractor fan		✓	IEC 60335-2-80	IDT
blankets, pads, and similar flexible heating appliances		✓	IEC 60335-1:2010-05; IEC 60335-2-17:2009	IDT
Conduit systems buried underground for cable		✓	IEC 61386-1:2008-02; IEC 61386-24:2004-07	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
management				
Mobile phone charger		✓	IEC 60950-1:2005-12 + corrigendum 1 2006-08	IDT
Connecting boxes and enclosures			IEC 60670-1:2015; IEC 60670-22:2015	IDT
Static meters for active energy classes 1 and 2 (Measuring concentrator)		✓	IEC 62053-21:2003; IEC 62052-11:2003;	IDT
Storage water heaters		✓	IEC 60335-1:2010; IEC 60335-2-21:2012	IDT
Mobile air conditions and dehumidifier		✓	IEC 60335-2-40:2013, IEC60335-1:2010	IDT
No metallic Flexible conduit systems		✓	IEC 61386-23:2002, IEC61386-1:2008	IDT
Self-ballasted LED-lamps for public lighting		✓	IEC62560:2011	Some additions related with caps
a.c. supplied electronic ballasts for discharge lamps		✓	IEC61347-2-12:2010	IDT
Pedestrian controlled mains-operated lawnmowers		✓	IEC603335-1, IEC60335-2-77	IDT
walk-behind and hand-held lawn trimmers and lawn edge trimmers		✓	IEC603335-1, IEC60335-2-91	IDT
Luminaires for emergency lighting		✓	IEC60598-1, IEC60598-2-22	IDT
Portable general purpose luminaires		✓	IEC60598-1, IEC6059-2-4	IDT
cord extension sets		✓	IEC60884-1, IEC60884-2-7	IDT
Double-capped LED lamps designed to retrofit linear fluorescent lamps		✓	IEC62776-2014	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
enclosures for housing protective devices and other power dissipating electrical equipment		✓	IEC60670-1:2015, IEC60670-24:2011	IDT
water dispenser		✓	IEC60335-2-15:2016, IEC60335-2-24:2017, IEC60335-2-109:2016	IDT
high pressure cleaners and steam cleaners		✓	IEC60335-2-1:2016, IEC60335-2-79	IDT
Movil air coolers		✓	IEC60335-1:2016, IEC60335-2-98:2008	IDT
External Power Supplies for Computers (Switching Sources)		✓	IEC60950-1:2005	IDT
Portable luminaires for children		✓	IEC60598-2-10:2003	IDT
Fabric steamers		✓	IEC60335-2-85:2017	IDT
surface-cleaning appliances for household use employing liquids or steam		✓	IEC 60335-2-54:2015	IDT
Mains socket-outlet mounted nightlights		✓	IEC60598-2-12:20013, IEC60598-1:2008	IDT
External power sources for computers, tablet chargers and cell phone chargers (Sources switched).		✓	IEC 62368-1:2018	IDT
static active power meter single or three phase class 1 and 2		✓	IEC 61000 - 4 - 11: 2004+AMD1:2017, IEC 61000 - 4 - 8:2009, IEC 62052-11:2003-02+AMD1:2016, IEC 62052-31:2015, IEC 62053-21:2016, IEC 62053-61:1999, IEC 62056 - 6 - 1:2017, IEC 62059-31-1:2008, IEC 62059-41:2006	IDT

Product type or grouping	Standards			
	Domestic Standards	Please tick box if mandatory	Relevant International Standards	Extent of Alignment
static active power meter single or three phase class 0.2S and 0.5S		✓	IEC 61000 - 4 - 11: 2004+AMD1:2017, IEC 61000 - 4 - 8:2009, IEC 62052-11:2003-02+AMD1:2016, IEC 62052-31:2015, IEC 62053-22:2016, IEC 62053-61:1999, IEC 62056 - 6 - 1:2017 and IEC 62059-41:2006	IDT
static reactive power meter single or three phase class 2 and 3		✓	IEC 61000 - 4 - 11: 2004+AMD1:2017, IEC 61000 - 4 - 8:2009, IEC 62052-11:2003-02+AMD1:2016, IEC 62052-31:2015, IEC 62053-23:2016, IEC 62053-61:1999, IEC 62056 - 6 - 1:2017 and IEC 62059-41:2006	IDT

(\* ) This products list is constantly updated and can be found at the Superintendence Website, [www.sec.cl](http://www.sec.cl)

### Description of the Regime

### Testing Facilities and Approval (Certification) Agencies

Chile has 10 testing laboratories and 11 certification bodies for electronic and electrical equipment. For full detail refer to Listed of the accredited laboratories available from [www.sec.cl](http://www.sec.cl)

#### Testing Laboratories

Cam Chile S.A.  
CERYLAB LTDA.

Cesmec S.A.  
PUCV  
Ingcer Ltda.  
Laboratorios Certigas / Certelec Ltda.  
Lenor Chile Ltda.  
Silab Ingenieros S.A.  
Under Fire S.A.  
Testlab

### Certification Bodies

Cam Chile S.A.  
Certpro Ltda.  
Cesmec S.A.  
Ingcer Ltda.  
ICOMCER SpA.  
INTERTEK LTDA.  
Laboratorios Certigas / Certelec Ltda.  
Lenor Chile Ltda.  
Sical Ingenieros S.A.  
Tüv Rheinland Chile S.A.  
Under Fire S.A.

### Labelling Requirements

The labelling requirements of an approved product are:

- Security warning according to products or technical regulations
- Energy efficiency label as appropriate
- SEC Labeling ( QR code ) for all products that have received safety approval certificate

## **Regulatory and Legislation Requirements**

The user manual in Spanish language

## Mains Voltage, Frequency and Mains Plug Configuration

Country	Mains Voltage and Tolerance	Mains Frequency and Tolerance	Applicable Legislation	Mains Plug Configuration				
				Domestic Standard	Please tick box if mandatory	Relevant International Standard	Extent of Alignment	Diagram of Mains Plug Configuration-
Chile	220 V 380 V ±7,5%	50 Hz		NCh elec 4/2000	✓	IEC 60884-1 CEI 23-50	-	

Country	Mains Voltage and Tolerance	Mains Frequency and Tolerance	Applicable Legislation	Mains Plug Configuration				
				Domestic Standard	Please tick box if mandatory	Relevant International Standard	Extent of Alignment -	Diagram of Mains Plug Configuration-
								<p style="text-align: center;">Socket</p>

## 5. PRODUCTS REQUIRING LISTING OR REGISTRATION

The products that have mandatory certification are registered in a data base with information that can be read from the qr code mark.

In the absence of a body that certifies a product with mandatory certification, the Superintendency may authorize marketing for 18 months. (Article 9° of the D.S. 298 )



**General diagram of Certification System**

