

# Comprehensive Guide to Export Electrical Appliance and Material to Japan

An Outline of Electrical Appliance and Material Safety Law





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# Outline of Regulations of the Electrical Appliance and Material Safety Law

The Electrical Appliance and Material Safety Law was established for the purpose of regulating the manufacture, sales, etc., of electrical appliances and materials, and of fostering voluntary activities by private enterprises to ensure the safety of electrical appliances and materials so as to prevent hazards and trouble caused by the electrical appliances and materials. (Article 1 of the Law)

The products subject to the regulations of this law (referred to here as “electrical appliances and materials”) refer to the 457 items stipulated by the Enforcement Ordinances (Cabinet Orders) of the Electrical Appliance and Material Safety Law. Included among them are 116 “Specified Electrical Appliances and Materials” which, depending on their construction, methods of use or other conditions of use, pose a serious threat of electric shocks, fire and/or other hazards and trouble. (Article 2 of the Law)

Japanese enterprises engaged in the manufacture or importation of products classified as “electrical appliances and materials” (to be referred to below as “notifying suppliers”) are obliged to notify the Minister of Economy, Trade and Industry of the commencement of their enterprise (Article 3 of the Law) and conform to the technical standards (Article 8 of the Law) and fulfill other duties, and only those suppliers who have fulfilled these obligations including notification are allowed to display the  and  labels as evidence of the fact that they have followed the procedures according to law. (Article 10 of the Law)

There are restrictions prohibiting the sale of any electrical appliances and materials that are not labeled according to the Law (Article 27 of the Law) in Japan, and there are penalties levied for and other punitive action taken against the failure to follow the procedures based on the law. Therefore, the proper procedures must be followed for those products classified as “electrical appliances and materials.”

It is the Japanese notifying suppliers who are principally obliged to fulfill the obligations based on these laws, but in reality there are aspects which must be observed by overseas manufacturers if these obligations are to be met, and this pamphlet gives a summary of the contents of the safety regulations and the procedures to be followed from the viewpoint of overseas manufacturers.

## **I Regulations and Procedures in the case of Exporting Category A Products**

### **I-1 Notification of Business**

In the case a overseas manufacturer exports Category A products to Japan, the importer in Japan is obliged to notify the Minister of Economy, Trade and Industry of the following prescribed matters at every classification of electrical appliance and material from 1 to 19 mentioned in the table.

<<Prescribed Matters>>

- (1) Name (title), address and name of representative (in the case of a corporation)
- (2) "Type classification" of electrical appliance and material
- (3) Name (title) and address of manufacturer of said electrical appliance

The “Classification of Electrical Appliances and Materials” and “Type Classification” of <2> Electrical Appliances and Materials in the Prescribed Matters are as shown below.

Example of "Classification" of Electrical Appliances and Materials

<b>Classification of Electrical Appliances and Materials</b>	
1	Rubber insulated cables and cords
2	Plastic insulated cables and cords
3	Metal conduits
4	Accessories of metal conduits
5	Plastic conduits
6	Accessories of plastic conduits
7	Link fuses
8	Fuses (except Link fuses and Thermal links)
9	Thermal links
10	Wiring devices
11	Meter rate current limiters
12	Single- phase small transformers
13	Single- phase small motors
14	Electric heating appliances
15	Electric motor-operated or magnetically driven appliances
16	Appliances incorporated with lighting
17	Electronic appliances
18	AC electric appliances
19	Portable engine generators
20	Lithium — ion batteries

Note : Also the aforesaid Prescribed Matters at every classification of electrical appliances and materials of Category B shall be notified to the Minister of Economy, Trade and Industry.

Example of "Type Classification" of Electrical Appliances and Materials

Electrical Appliance	Type classification	
	Factor	Classification
Sheathed flexible cords	Primary material of insulator	(1) Natural rubber blend (2) Ethylene propylene rubber blend (3) Other
	Primary material of sheath	(1) Natural rubber blend (2) Chloroprene rubber blend (3) Vinyl blend (4) Flame resistant ethylene rubber (5) Heat-resistant vinyl blend (6) Other
	Conductor class	(1) Class A (2) Other
	Core structure	(1) Same (2) Different
	Seismic resistance	(1) Provided (2) Not provided
	Metal conductor reinforcing wires	(1) Provided (2) Not provided
1.Screw-in rosettes 2.Hookup rosettes 3.Other rosettes	Rated voltage	(1) Less than or equal to 125V (2) Exceeding 125V
	Rated current	(1) Less than or equal to 3A (2) Exceeding 3A but less than or equal to 7A (3) Exceeding 7A
	Type of connecting cable	(1) Copper (2) Other
	Material of main insulator	(1) Ceramic (2) Synthetic resin (3) Other
	Outer shell material	(1) Metal (2) Synthetic resin (3) Other
	Screw-in port	(1) Present (2) Absent
	Switch	(1) Present (2) Absent
	Type	(1) Exposed (2) Embedded

Note : Also "Type classification" is stipulated for each Category B product.

## **I-2 Obligation to Comply with Technical Requirements**

In importing a Category A appliance or material for which a certificate of conformity has been issued, notifying suppliers (importers) are obliged by the law to import the appliance or material identical with the certified one, which complies with the technical standards stipulated by the METI ordinances.

## **I-3 Conformity Testing, etc.**

Importers in Japan that have submitted a notification of business (to be referred to below as “notifying suppliers (importers)”) are obliged to retain a certificate of conformity (the Statement of Conformity) for the Category A electrical appliances and materials which they import or a copy of the “Passed” certificate, which has been acquired according to the following method in accordance with the type classification as indicated in the notification stipulated by the Enforcement Ordinances of the Electrical Appliance and Material Safety Law (METI Ordinance), for the valid term for certificates stipulated in the Enforcement Ordinance of the above Law (Cabinet Order) (refer to “valid term for certificates” in the schedule of Category A electrical appliances).

The nature of the conformity inspections is such that they serve to verify conformity (through product testing) with the ministerial ordinances stipulating the technical standards for electrical appliances and materials (METI ordinances; to be referred to below as “technical standards”) and to verify the conformity of the testing facilities owned by the Notifying suppliers (importers) concerned.

(1) Notifying suppliers (importers) shall have the conformity assessment performed by a domestic or overseas authorized conformity assessment body authorized by the Minister of Economy, Trade and Industry (to be referred to below as a “conformity assessment body”), and shall receive a certificate of conformity following the assessment.

Since not many importers own facility of conformity assessment, the following (2) is also allowed and applicable in most of the cases.

(2) Overseas manufacturers shall have the assessment equivalent to conformity assessment performed by a conformity assessment body and shall receive copies of certificates of conformity within the valid term of the certificates and notifying suppliers (importers) shall receive official duplicate copy of certificate of conformity issued by the assessment body. However, the valid term of the copies shall be from the dates issued.

## **I-4 Mandatory Testing/Inspection**

A notifying supplier (importer) is obliged to inspect whether the Category A product to be imported complies with technical requirements, prepare a record of that testing and inspection, and retain that record. Furthermore, in the case testing and inspection for the said electrical appliance is not performed by the notifying supplier (importer) but instead is commissioned to a overseas manufacturer, and the notifying supplier (importer) confirms the performing of that testing, the acquisition of the testing record and compliance with technical requirements, the notifying supplier (importer) shall be considered to have fulfilled that obligation.

The following are items to be tested.

1 . Tests for Category A products

(1) Tests within the manufacturing process

Tests performed within the manufacturing process of Category A products shall be carried out routinely on the construction, quality of material and performance of the applicable Category A products in accordance with the method of manufacture of Category A products, by a method recognized as appropriate to making the applicable Category A products conform to the technical requirements.

Note: Tests of materials and parts may be substituted for by an incoming inspection at the time of purchase as long as such inspection is recognized as equivalent or superior to the applicable test.

(2) Tests of completed products

Tests shall be performed on completed Category A products as follows:

For fuses (excluding thermal links with containers which are of a non-current-carrying construction), their appearance shall be tested on every product, and for Category A products listed in the left column of the following table, their appearance, dielectric strength, function and matters listed in the right column of the table shall be tested on every product and for other Category A products, their appearance, dielectric strength and function on every product shall be tested also by the method in conformance with the technical requirements.

Category A Electrical Appliances and Materials		Test Item
Molded case circuit breakers		Overcurrent tripping characteristics※1
Residual current operated circuit Breakers	Those with high-speed operating time	Overcurrent tripping characteristics and earth leakage tripping characteristics※2
	Others	Overload tripping characteristics
Meter-rate current limiters		Operating characteristics
Machines and appliances noted in the Enforcement Ordinance, Appendix 1, Items 6 through 10 which are equipped with automatic switches operated by thermal cutouts.		Operating characteristics of automatic switches operated by thermal cutouts

※1) As for overcurrent tripping characteristics, the test methods in conformance with the technical requirements are given at 3, 3.3, 3.3.7 (1) a or b in Appendix 4 to the description of the technical requirements.

※2) As for earth leakage tripping characteristics, the test methods in conformance with the technical requirements are given at 3. 3.3, 3.3.8 (2) a (a) and d in Appendix 4 to the description of the technical requirements.

(3) Inspection of test specimen

Testing of specimen randomly selected from the materials, parts, semi-finished and completed products of Category A shall be performed as follows: In the case of a change in the main materials, parts, manufacturing method, or when deemed necessary to bring the applicable materials, parts, semi-finished or completed products of Category A into conformity with technical requirements, tests shall be carried out by the testing methods in conformance with the technical requirements.

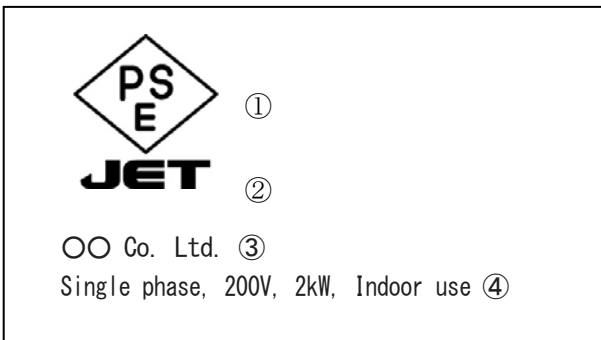
Note: Tests of materials and parts may be substituted for by an incoming inspection at the time of purchase as long as such inspection is recognized as equivalent or superior to the applicable test.

## I-5 Obligation of Marking

In order for a notifying supplier (importer) to sell an electrical appliance, in addition to fulfilling the obligation of complying with technical requirements and the obligation of mandatory testing as mentioned above, the notifying supplier (importer) shall also be required to affix the prescribed marking on Category A products.

Although there are many cases in which the markings are actually affixed by the overseas manufacturer in accordance with a notifying supplier's (importer's) request, these markings are unconditionally affixed at the legal responsibility of the importer.

Example of marking of electric water heater



- ①Mandatory Mark to be affixed on Category A product
- ②Name of Authorized (Approved) conformity assessment body
- ③Name of Notifying supplier (Importer)
- ④Rated voltage, etc.



## II Regulations and Procedures in the case of Exporting Category B Products

### II-1 Notification of Business

In the case a overseas manufacturer exports Category B products to Japan, the importer in Japan is obliged to notify the Minister of Economy, Trade and Industry of the prescribed matters, which are the same as in section 1-1 for each classification of products.

### II-2 Obligation to Comply with Technical Requirements

In the case a notifying supplier (importer) imports a Category B products to Japan, those products are obliged to comply with technical requirements, which are the same as in section 1-3.

### II-3 Mandatory Testing/Inspection

The provisions regarding mandatory testing/inspection for notifying suppliers (importers) are the same as in section I-4.

The following inspection items are stipulated for the completed products from among Category A products.

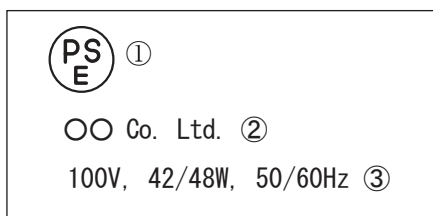
(Test of Category B products)

Metal conduits and their fittings, Cable wiring switchboxes, Fuses, Incandescent lamps, Fluorescent lamps, and Decorative lighting fixtures shall be tested with regard to their appearance, Belt conveyors and Barber chairs shall be tested with regard to their appearance and dielectric strength, Lithium-ion batteries shall be tested with regard to their appearance and output voltage, All other electrical appliances and materials noted in Appendix 2 of the Enforcement Ordinance shall be tested for each product with regard to their appearance, dielectric strength, and function by the testing methods in conformance with the technical requirements.

### II-4 Obligation of Marking

The obligation of marking by notifying suppliers (importers) is the same as described in section I-5.

Example of marking of electric fan



- ① Mandatory Mark to be affixed on Category B product
- ② Name of Notifying supplier (Importer)
- ③ Rated voltage, etc.

## Specified Electrical Appliances and Materials (116 Items)

Electrical Appliance	Valid term of certificate	Electrical Appliance	Valid term of certificate
<b>Cables, Cords</b>			
<b>[Rubber Insulated Cables and Cords]</b>			
· Rubber insulated cables	7 years	· Keyless sockets (Keyless lampholders)	7 years
· Cables (having a conductor nominal cross-sectional area of 22 <sup>2</sup> mm or less)	7 years	· Waterproof sockets (Waterproof lampholders)	7 years
· Single-core rubber cords	7 years	· Key sockets (Key-type lampholders)	7 years
· Twisted rubber cords	7 years	· Pull sockets (Pull-type lampholders)	7 years
· Textile braided rubber cords	7 years	· Pushbutton sockets (Pushbutton-type lampholders)	7 years
· Round braided rubber cords	7 years	· Other sockets (Other lampholders)	7 years
· Other rubber cords	7 years	· Screw-in rosettes	7 years
· Sheathed flexible cords	7 years	· Hookup rosettes	7 years
· Rubber sheathed flexible cables	7 years	· Other rosettes	7 years
· PVC sheathed flexible cables	7 years	· Joint boxes	7 years
<b>[Synthetic Resin Insulated Cables and Cords]</b>		<b>Current Limiters</b>	
· Plastic insulated cables	7 years	· Meter rate current limiters	7 years
· Cables (having a conductor nominal cross-sectional area of 22 <sup>2</sup> mm or less)	7 years	· Flat rate current limiters	7 years
· Single-core PVC cords	7 years	<b>Transformers, Ballasts</b>	
· Single-core polyethylene cords	7 years	· Transformers for toys	7 years
· Single-core polyolefin cords	7 years	· Other household appliance transformers	7 years
· Twisted PVC insulated cords	7 years	· Electronic appliance transformers	7 years
· Textile braided PVC cords	7 years	· Ballasts for fluorescent lamps	7 years
· Round braided PVC cords	7 years	· Ballasts for mercury vapor lamps and ballasts for other high pressure discharge lamps	7 years
· Other PVC cords	7 years	· Ballasts for ozonizer	7 years
· Other polyethylene cords	7 years	<b>Electric Heating Appliances</b>	
· Other polyolefin cords	7 years	· Electric heated toilet seats	5 years
· Sheathed flexible cords	7 years	· Electric hot cupboards	5 years
· Tinsel cords	7 years	· Electric pipe freeze prevention heaters	7 years
· PVC sheathed flexible cables	7 years	· Glass dew-prevention heaters	7 years
· Flame resistant polyolefin sheathed flexible cables	7 years	· Electric heaters for freeze and condensation prevention	7 years
<b>Fuses</b>		· Electric storage water heaters	5 years
· Thermal links	7 years	· Electric inhalators	5 years
· Link fuses	7 years	· Household heating therapeutic appliances	5 years
· Cartridge fuses	7 years	· Electric steam baths	5 years
· Other enclosed fuses	7 years	· Electric heaters for steam baths	5 years
<b>Wiring Devices</b>		· Electric sauna baths	5 years
· Tumbler switches	7 years	· Electric heaters for sauna baths	5 years
· Switches in flexible cord	7 years	· Aquarium heaters	5 years
· Time switches	7 years	· Heating appliances for garden plants	5 years
· Rotary switches	7 years	· Electric heated toys	5 years
· Pushbutton switches	7 years	<b>Electric Motor-operated or Magnetically Driven Appliances</b>	
· Pull switches	7 years	· Electric pumps	5 years
· Pendant switches	7 years	· Electric well pumps	5 years
· Streetlamp switches	7 years	· Refrigerating showcases	5 years
· Photoelectric automatic switches	7 years	· Freezing showcases	5 years
· Other switches	7 years	· Electric ice cream freezers	5 years
· Box switches	7 years	· Electric food waste disposers	5 years
· Float switches	7 years	· Electric massagers	5 years
· Pressure switches	7 years	· Automatically washing and drying toilets	5 years
· Sewing machine controllers	7 years	· Vending machines	5 years
· Molded case circuit breakers	7 years	· Electric bubble generators for bathtubs	3 years
· Residual current operated circuit breakers	7 years	· Electric bubble generators for aquariums	3 years
· Cutout	7 years	· Other electric bubble generators	3 years
· Attachment plugs	7 years	· Electric motor-operated toys	5 years
· Socket-outlets	7 years	· Electric vehicles	5 years
· Multiple socket-outlets (with cord or pins for power supply connections)	7 years	· Other electric motor-operated or electromagnetically driven amusement appliances	5 years
· Cord connector bodies	7 years	<b>Electronic Appliances</b>	
· Flatiron plugs	7 years	· High-frequency depilators	3 years
· Appliance connectors	7 years	<b>AC Electric Appliances</b>	
· Adaptors	7 years	· Magnetic therapeutic appliances	3 years
· Cord reels	7 years	· Electric insect killers	5 years
· Cord extension sets	7 years	· Electric therapeutic bath controllers	5 years
· Other plug couplers	7 years	· DC power supply units	5 years
· Lamp receptacles (Fixed lampholders)	7 years	<b>Portable Engine Generators</b>	
· Separable plug bodies	7 years	· Portable engine generators	5 years
· Other screw couplers	7 years		
· Fluorescent lampholders	7 years		
· Fluorescent starter holders	7 years		
· Split sockets (Lampholders with socket-outlets and/or lampholders)	7 years		

## Other Electrical Appliances and Materials (341 Items)

Electrical Appliance	Electrical Appliance	Electrical Appliance
<p style="text-align: center;"><b>Cables, Cords</b></p> <p style="text-align: center;"><b>[Rubber Insulated Cables]</b></p> <ul style="list-style-type: none"> <li>· Cables (having a conductor nominal cross-sectional area of more than 22 mm<sup>2</sup>)</li> <li>· Heating cables</li> </ul> <p><b>[Synthetic Resin Insulated Cables and Cords]</b></p> <ul style="list-style-type: none"> <li>· Fluorescent lamp cables</li> <li>· Neon tube cables</li> <li>· Cables (having a conductor nominal cross-sectional area of more than 22 mm<sup>2</sup>)</li> <li>· Heating cables</li> </ul> <p style="text-align: center;"><b>Conduits</b></p> <p style="text-align: center;"><b>[Metal Conduits]</b></p> <ul style="list-style-type: none"> <li>· Metal conduits</li> <li>· Class I flexible metal conduits</li> <li>· Class II flexible metal conduits</li> <li>· Other flexible metal conduits</li> <li>· Metal under floor ducts</li> <li>· Class I metal raceways</li> <li>· Class II metal raceways</li> <li>· Metal couplings</li> <li>· Metal normal bends</li> <li>· Metal elbows</li> <li>· Metal tees</li> <li>· Metal crosses</li> <li>· Metal caps</li> <li>· Metal connectors</li> <li>· Metal boxes</li> <li>· Metal bushings</li> <li>· Other metal fittings of rigid conduits or flexible conduits</li> <li>· Cable wiring switch boxes</li> </ul> <p style="text-align: center;"><b>[Plastic Conduits]</b></p> <ul style="list-style-type: none"> <li>· Plastic conduits</li> <li>· Flexible plastic conduits</li> <li>· CD conduits</li> <li>· Plastic couplings</li> <li>· Plastic normal bends</li> <li>· Plastic elbows</li> <li>· Plastic connectors</li> <li>· Plastic boxes</li> <li>· Plastic bushings</li> </ul>	<ul style="list-style-type: none"> <li>· Plastic caps</li> <li>· Other plastic fittings of rigid conduits or flexible conduits</li> <li>· Cable wiring switch boxes</li> </ul> <p style="text-align: center;"><b>Fuses</b></p> <ul style="list-style-type: none"> <li>· Tubular fuses</li> <li>· Plug fuses</li> <li>(formerly known as end contact plug fuses)</li> </ul> <p style="text-align: center;"><b>Wiring Devices</b></p> <ul style="list-style-type: none"> <li>· Remote control relays</li> <li>· Cutout switches</li> <li>· Covered knife switches</li> <li>· Panelboard unit switches</li> <li>· Electromagnetic switches</li> <li>· Lighting tracks</li> <li>· Lighting track couplings</li> <li>· Lighting track elbows</li> <li>· Lighting track tees</li> <li>· Lighting track crosses</li> <li>· Lighting track feed-in boxes</li> <li>· Lighting track end caps</li> <li>· Lighting track plugs</li> <li>· Lighting track adaptors</li> <li>· Other lighting track fittings and connectors</li> </ul> <p style="text-align: center;"><b>Transformers and Ballasts</b></p> <ul style="list-style-type: none"> <li>· Transformers for bells</li> <li>· Transformers for indicators</li> <li>· Transformers for remote control relays</li> <li>· Transformers for neon tubes</li> <li>· Transformers for fire lighters</li> <li>· Voltage regulators</li> <li>· Ballasts for sodium vapor lamps</li> <li>· Ballasts for germicidal lamps</li> </ul> <p style="text-align: center;"><b>Small AC Electric Motors</b></p> <ul style="list-style-type: none"> <li>· Repulsion start induction motors</li> <li>· Split-phase start induction motors</li> <li>· Capacity-start induction motors</li> <li>· Capacity-run induction motors</li> <li>· Commutator motors</li> <li>· Shaded-pole induction motors</li> <li>· Other single-phase motors</li> <li>· Squirrel-cage three-phase induction motors</li> </ul>	<p style="text-align: center;"><b>Electric Heating Appliances</b></p> <ul style="list-style-type: none"> <li>· Electric foot warmers</li> <li>· Electric slippers</li> <li>· Electric knee rugs</li> <li>· Electric floor cushions</li> <li>· Electric carpets</li> <li>· Electric underblankets</li> <li>· Electric blankets</li> <li>· Electric comforters (Futon)</li> <li>· Electric anka</li> <li>· Electric seat chair covers</li> <li>· Electric heated chairs</li> <li>· Electric kotatsu</li> <li>· Electric room heaters</li> <li>· Japanese electric heaters (Hibachi)</li> <li>· Other electric heating appliances for body heating purposes</li> <li>· Electric toasters</li> <li>· Electric ovens</li> <li>· Electric fish roasters</li> <li>· Electric roasters</li> <li>· Electric ranges</li> <li>· Electric buffet ranges</li> <li>· Electric sausage roasters</li> <li>· Electric waffle irons</li> <li>· Electric tacoyaki griddles</li> <li>· Electric cooking heating plates</li> <li>· Electric frying pans</li> <li>· Electric rice cookers</li> <li>· Electric jars</li> <li>· Electric deep pans</li> <li>· Electric fryers</li> <li>· Electric boiled egg makers</li> <li>· Electric warming trays</li> <li>· Electric warming boards</li> <li>· Electric milk warmers</li> <li>· Electric kettles</li> <li>· Electric coffee makers</li> <li>· Electric tea servers</li> <li>· Electric ricewine warmers</li> <li>· Electric bains-marie</li> <li>· Electric steamers</li> <li>· Electromagnetic cookers</li> <li>· Other electric heating appliances for cooking purposes</li> <li>· Electric hot water heaters for shaving</li> <li>· Electric curling irons</li> <li>· Electric hair curlers</li> <li>· Electric hair steamers</li> </ul>

Electrical Appliance	Electrical Appliance	Electrical Appliance
<ul style="list-style-type: none"> <li>· Other electric heating appliances for skin or hair care</li> <li>· Electric heated knives</li> <li>· Electric melters</li> <li>· Electric pottery kilns</li> <li>· Electric soldering irons</li> <li>· Electric heaters for irons</li> <li>· Other electric heating tools for handwork and handicrafts</li> <li>· Electric hot hand towel steamers</li> <li>· Electric sterilizers (with electric heaters)</li> <li>· Electric air humidifiers</li> <li>· Electric clothes steamers</li> <li>· Electric immersion heaters</li> <li>· Electric instantaneous water heaters</li> <li>· Thermostatic developing trays</li> <li>· Electric heating boards</li> <li>· Electric heating floor sheets</li> <li>· Electric heating floor mats</li> <li>· Electric dryers</li> <li>· Electric clothes pressers</li> <li>· Electric plant nurseries</li> <li>· Electric incubators</li> <li>· Electric brooders</li> <li>· Electric irons</li> <li>· Electric flatirons</li> <li>· Electric plastic welders</li> <li>· Electric aromatic burners</li> <li>· Insect killers (Vaporizing type)</li> <li>· Electric moxibustion appliances</li> </ul>	<ul style="list-style-type: none"> <li>· Electric straw dampers</li> <li>· Electric straw rope making machines</li> <li>· Egg selectors</li> <li>· Egg washers</li> <li>· Electric garden cultivators</li> <li>· Electric seatangle (konbu) processors</li> <li>· Dried cuttlefish processors</li> <li>· Electric juice squeezers</li> <li>· Juice blenders</li> <li>· Food processors</li> <li>· Electric noodle makers</li> <li>· Electric rice cake (mochi) makers</li> <li>· Electric coffee mills</li> <li>· Electric can openers</li> <li>· Electric mincers</li> <li>· Electric meat choppers</li> <li>· Electric bread slicers</li> <li>· Electric dried bonito planers</li> <li>· Electric ice flakers</li> <li>· Electric rice washers</li> <li>· Electric vegetable washers</li> <li>· Electric dishwashers</li> <li>· Electric rice polishers</li> <li>· Electric tea leaf roasters</li> <li>· Wrapping machines</li> <li>· Hand towel wrapping machines</li> <li>· Packaging machines</li> <li>· Electric table clocks</li> <li>· Electric wall clocks</li> <li>· Automatic print fixing baths</li> <li>· Automatic print washers</li> <li>· Electric mimeograph machines</li> <li>· Office printing machines</li> <li>· Addressing machines</li> <li>· Time recorders</li> <li>· Time stampers</li> <li>· Electric typewriters</li> <li>· Electric account selectors</li> <li>· Shredders</li> <li>· Electric paper cutters</li> <li>· Electric collators</li> <li>· Electric staplers</li> <li>· Electric paper punches</li> <li>· Numbering machines</li> <li>· Checkwriters</li> <li>· Coin counters</li> <li>· Bill counters</li> <li>· Label tagging machines</li> <li>· Laminators</li> <li>· Laundry finishing machines</li> <li>· Laundry folding machines</li> </ul>	<ul style="list-style-type: none"> <li>· Handtowel rolling machines</li> <li>· Vending machines (excluding specific electrical appliances)</li> <li>· Money changers</li> <li>· Electric barber chairs</li> <li>· Electric toothbrushes</li> <li>· Electric brushes</li> <li>· Electric hair dryers</li> <li>· Electric shavers</li> <li>· Electric hair clippers</li> <li>· Electric nail polishers</li> <li>· Other electric motor-operated or magnetically-driven appliances for skin or hair care</li> <li>· Electric room fans</li> <li>· Electric circulating fans</li> <li>· Ventilating fans</li> <li>· Blowers</li> <li>· Electric room air-conditioners</li> <li>· Electric cooled air fans</li> <li>· Electric dehumidifiers</li> <li>· Electric fan-coil units</li> <li>· Electric fan convectors</li> <li>· Electric hot air heaters</li> <li>· Electric fan-forced air heaters</li> <li>· Electric humidifiers</li> <li>· Electric air cleaners</li> <li>· Electric deodorizers</li> <li>· Electric fragrance diffusers</li> <li>· Electric vacuum cleaners</li> <li>· Electric record cleaners</li> <li>· Electric blackboard eraser cleaners</li> <li>· Other electric dust absorbers</li> <li>· Electric floor polishers</li> <li>· Electric shoes polishers</li> <li>· Electric washing machines for sports goods or recreational goods</li> <li>· Electric washing machines</li> <li>· Electric spin extractors</li> <li>· Electric dryers</li> <li>· Electric musical instruments</li> <li>· Electric music boxes</li> <li>· Electric bells</li> <li>· Electric buzzers</li> <li>· Electric chimes</li> <li>· Electric sirens</li> <li>· Electric grinders</li> <li>· Electric drills</li> <li>· Electric planers</li> <li>· Electric saws</li> <li>· Electric screwdrivers</li> </ul>
<p style="text-align: center;"><b>Electric Motor-operated or Magnetically Driven Appliances</b></p> <ul style="list-style-type: none"> <li>· Belt conveyors</li> <li>· Electric refrigerators</li> <li>· Electric freezers</li> <li>· Electric ice makers</li> <li>· Electric water coolers</li> <li>· Air compressors</li> <li>· Electric sewing machines</li> <li>· Electric pottery wheels</li> <li>· Electric pencil sharpeners</li> <li>· Electric stirring machines</li> <li>· Electric scissors</li> <li>· Electric insect traps</li> <li>· Electric grass shears</li> <li>· Electric hedge trimmers</li> <li>· Electric lawnmowers</li> <li>· Electric threshing machines</li> <li>· Electric rice hulling machines</li> </ul>		

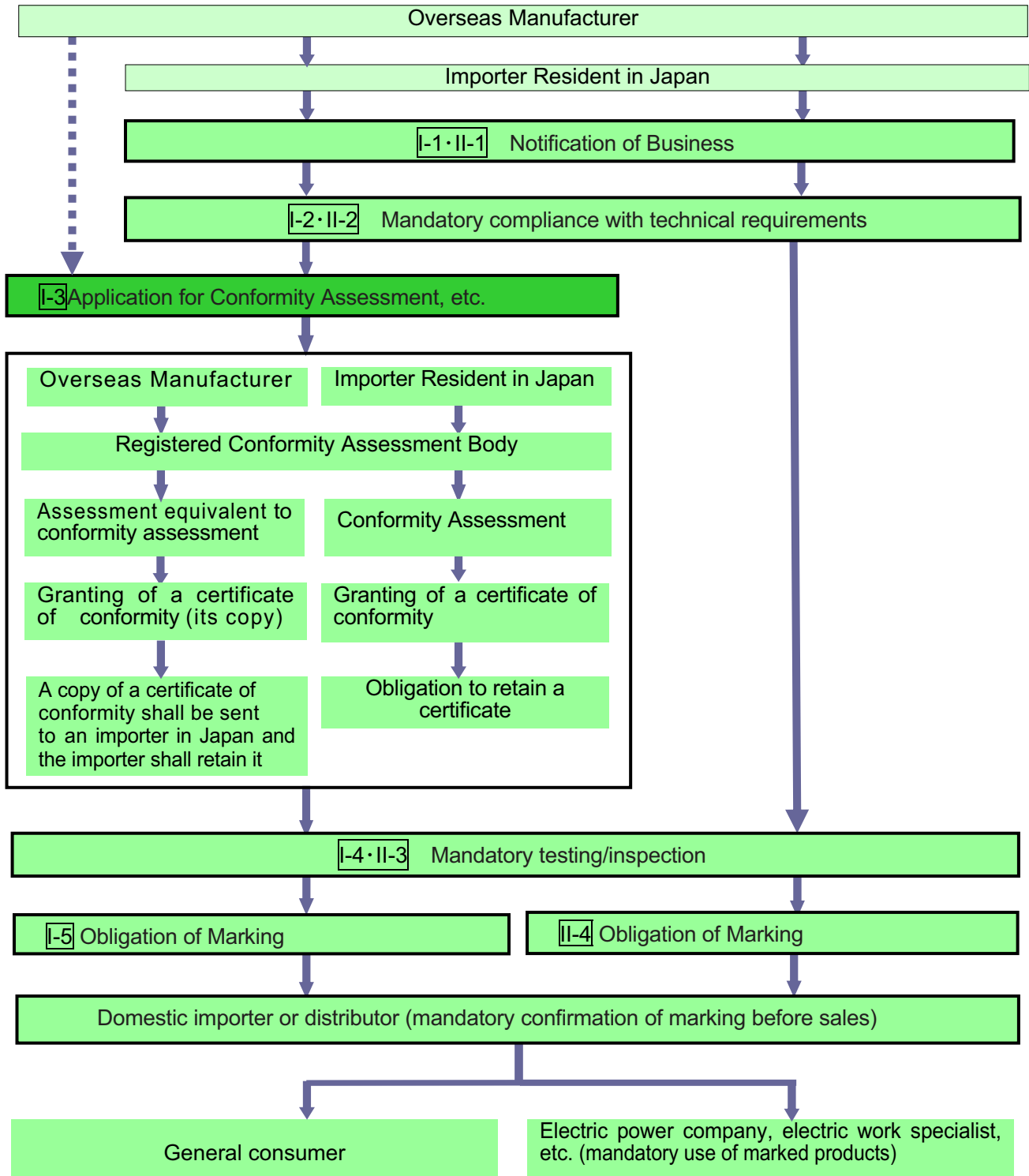
Electrical Appliance	Electrical Appliance
<ul style="list-style-type: none"> <li>· Electric sanders</li> <li>· Electric polishers</li> <li>· Electric metal cutting machines</li> <li>· Electric hand shears</li> <li>· Electric groovers</li> <li>· Electric mortisers</li> <li>· Electric tube cleaners</li> <li>· Electric scaling machines</li> <li>· Electric tappers</li> <li>· Electric nut runners</li> <li>· Electric cutting blade polishers</li> <li>· Other electric power tools</li> <li>· Electric fountains</li> <li>· Electric mist sprayers</li> <li>· Electric inhalators</li> <li>· Finger pressure (shiatsu) simulators</li> <li>· Other electric motor-operated or magnetically driven appliances for household therapeutic use</li> <li>· Electric game machines</li> <li>· Electric hot water circulator/purifiers for bathtubs (newly added item) (generic name: 24-hour bath)</li> </ul>	<ul style="list-style-type: none"> <li>· Rechargeable flashlights</li> <li>· Copying machines</li> </ul>
<p style="text-align: center;"><b>Appliances Using Light Sources</b></p> <ul style="list-style-type: none"> <li>· Photographic printers</li> <li>· Microfilm readers</li> <li>· Slide projectors</li> <li>· Overhead projectors</li> <li>· Episcopes</li> <li>· Viewers</li> <li>· Electronic flash apparatuses</li> <li>· Photographic enlargers</li> <li>· Photographic enlarger lamphouses</li> <li>· Incandescent lamps</li> <li>· Fluorescent lamps</li> <li>· LED lamps</li> <li>· Pedestal lighting fixtures</li> <li>· Household pendant fluorescent lamp lighting fixtures</li> <li>· Handlamps</li> <li>· Garden lighting fixtures</li> <li>· Decorative lighting fixtures</li> <li>· Other incandescent lamp fixtures</li> <li>· Other electric discharge lamp fixtures</li> <li>· LED lamp lighting fixtures</li> <li>· Advertising lights</li> <li>· Egg testers</li> <li>· Electric sterilizers (with germicidal lamp)</li> <li>· Household therapeutic ray appliances</li> </ul>	<p style="text-align: center;"><b>Electronic Appliances</b></p> <ul style="list-style-type: none"> <li>· Electronic clocks</li> <li>· Electronic tabletop calculators</li> <li>· Electronic cash registers</li> <li>· Electronic refrigerators</li> <li>· Interphones</li> <li>· Electronic musical instruments</li> <li>· Radio receivers</li> <li>· Tape recorders</li> <li>· Record players</li> <li>· Juke boxes</li> <li>· Other audio equipment</li> <li>· Video tape recorders</li> <li>· Demagnetizers</li> <li>· Television receivers</li> <li>· Television receiver boosters</li> <li>· High-frequency welders</li> <li>· Microwave ovens</li> <li>· Ultrasonic rat exterminators</li> <li>· Ultrasonic humidifiers</li> <li>· Ultrasonic cleaners</li> <li>· Electronic amusement machines</li> <li>· Household low-frequency therapeutic appliances</li> <li>· Household ultrasonic therapeutic appliances</li> <li>· Household ultra-short wave therapeutic appliances</li> </ul> <p style="text-align: center;"><b>AC Electric Appliances</b></p> <ul style="list-style-type: none"> <li>· Furnitures with lamps</li> <li>· Furnitures with socket outlets</li> <li>· Furnitures with electrical appliances</li> <li>· Electric dimmers</li> <li>· Electric pencils</li> <li>· Leakage current detectors</li> <li>· Burglar alarms</li> <li>· Arc welding machines</li> <li>· Radio interference suppression devices</li> <li>· Producers of medical materials</li> <li>· Household electric potential therapeutic appliances</li> <li>· Electric refrigerators (absorption system)</li> <li>· Electric fence energizers</li> </ul>
	<p style="text-align: center;"><b>Lithium-ion batteries</b></p> <ul style="list-style-type: none"> <li>· Lithium-ion batteries</li> </ul>

# Legal Procedure Diagram for the Electrical Appliance and Material Safety Law

(Contents and Procedures of Safety Regulations)

For Category A  
Electrical Appliances and Materials

For Category B  
Electrical Appliances and Materials



Note : In the above I-3, in the case that a overseas manufacturer who has already obtained a certificate of conformity applies for granting its copy, the assessment equivalent to conformity assessment shall not be performed.

**Outline of the structure on the revised Ministerial Ordinance (Technical Requirements) defined performance-based descriptions**

As of July 1, 2013, revised Ministerial Ordinance (Technical requirements) under Electrical Appliance and Material Safety Act was promulgated and was put in force on January 1, 2014.

- (1) Ministerial Ordinance specifying Technical requirements was revised to define performance-based descriptions and kept only of its objective and basic safety requirements.( Test method, compliance criteria etc. are not contained)
- (2) The content of the original Paragraph (1) of the Ministerial Ordinance specifying test methods or compliance criteria was separately specified as “Interpretation of Technical requirements”.
- (3) In addition, the existing “Interpretation of Technical requirements” is revised and most of them (Mainly concerning test method and compliance criteria) are as kept as revised “Interpretation of Technical requirements” and the others (Mainly concerning examples, definitions, etc.) are specified as an “Explanation of Interpretation of Technical requirements”
- (4) Technical standards having been accepted as Paragraph (2) of the Ministerial Ordinance (Mainly internationally harmonized standards) is now referred in Appendix 12 of the “Interpretation of Technical requirements” (Level of stance under the Ministerial Ordinance is not changed)

Table Outline of the structure on the Ministerial Ordinance  
(Comparison before and after amendment)

Outline of the structure on the Ministerial Ordinance before revision	Outline of the structure on the Ministerial Ordinance after revision
<u>Ministerial ordinance</u> <b>Paragraph(1)</b> <b>Electric wires and electric floor heating wires</b> ----- <b>Secondary Lithium ion batteries</b> <u>Paragraph(2)</u>	<u>Ministerial ordinance</u> (defined performance-based descriptions) <b>Chapter 1 General provisions</b> <b>Chapter 2 General requirements</b> <b>Chapter 3 Protection against hazard</b> <b>Chapter 4 Radio disturbance characteristics</b> <b>Chapter 5 Markings, etc.</b>
<u>Interpretation of Technical requirements on the regulated electrical products by Ministerial ordinance</u> <b>Appendix 1 Electric wires and electric floor heating wires</b> ----- <b>Appendix 9 Secondary Lithium ion batteries</b> (Appended Table 1) Maximum limit of thermal indices for electrical insulating materials used for Electrical Appliances and Materials (Appended Table 2) Radio disturbance characteristics (Appended Table 3) Test method for determination of Maximum limit of thermal indices for electrical insulating materials used for Electrical Appliances and Materials	<u>Interpretation of Technical requirements on the regulated electrical products by Ministerial ordinance</u> <b>Appendix 1 Electric wires and electric floor heating wires</b> ----- <b>Appendix 9 Secondary Lithium ion batteries</b> <b>Appendix 10 Radio disturbance characteristics</b> <b>Appendix 11 Maximum limit of thermal indices for electrical insulating materials used for Electrical Appliances and Materials</b> <b>Appendix 12 Internationally harmonized and additional requirements</b>
<u>Technical requirements of the Paragraph(2) on the regulated electrical products by Ministerial ordinance</u> Table 1. Standards for electrical safety aspect Table 2. Radio disturbance characteristics Table 3. Standards for Electrical appliances with remote operation means Table 4. Labeling requirements for attention to aging deterioration Table 5. Safety requirements for preventing accidents caused by products	<u>Explanation of Interpretation of Technical requirements on the regulated electrical products by Ministerial ordinance</u> (To be provided by private sector)_

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