

# Analysis of the open scope of the Directive 2012/19/EU (WEEE II)

This document reflects the common interpretation of the CAPIEL members about the Switchgear and Controlgear equipment for industrial, commercial and similar use falling into the open scope as defined by the WEEE2 Directive.


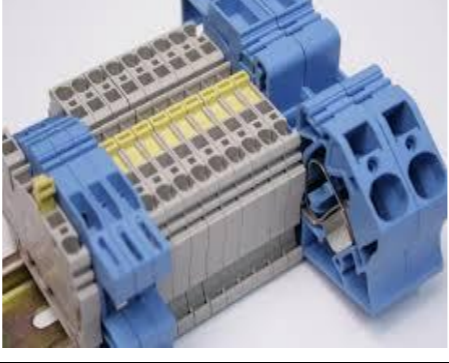










This document cannot substitute the requirements of the WEEE Directive as it is not legally binding; its aim is to be used for guidance by all the economic actors.

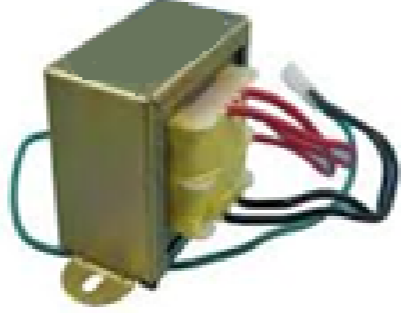











The majority of the products contained in the list can be sold both as finished products and component's parts (for the latter case, see Q 3.6 of the Commission FAQ Document for more information).

This document has been prepared taking into account the position of several European sectorial organizations as CECAPI, CEMEP, EUROGEN or T&D Europe regarding WEEE II open scope. Some of their position papers are mentioned in the document.













CAPIEL is the Coordinating Committee for the Associations of Manufacturers of Switchgear and Controlgear equipment for industrial, commercial and similar use in the European Union, that work in the range of voltages until 1 kV a.c. of 1,5 kV d.c.







Product	Picture	Affected from 15/08/2018 onwards?	Rationale
<b>Switchgear, controlgear and industrial automation</b>			
Circuit breaker		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Switches, disconnectors		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Contactors		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Motor starters		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Semiconductors motor starters		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Control circuit switching elements		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Proximity switches		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Emergency stop device		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.

Flow rate switches		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Terminal blocks		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Programmable Logic Control (PLC)		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Fuse		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
<b>Electrical machines</b>			
Power generator		Yes	It is an EEE. In some cases it can be considered as a large-scale fixed installation. See <b>EUROGEN</b> position paper for more information.
Generating set		Yes	It is an EEE. In some cases it can be considered as a large-scale fixed installation. See <b>EUROGEN</b> position paper for more information.
Pump		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
<b>Switchgear and controlgear assemblies and industrial enclosures</b>			
Empty enclosures		No	It is not an EEE.
Panels		Depends	All finished EEE are in the scope, their producers or the panel builder have to be responsible for reporting
Busways		Yes	It is an EEE. In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
<b>Earth rods</b>			
Earthing rod		No	It is not an EEE.
Earthing plate		No	It is not an EEE.

Low voltage transformers			
Transformers		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Power supply		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Voltage stabilizer and step-down light dimmer for street lighting installations		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Meters			
Utility electric Meter		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment.
Secondary meter (monophasic, triphasic, active and reactive energy)		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Network analyser		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Load-shedding equipment		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Industrial plugs and sockets			
Plug		Yes	It is an EEE, in the scope.
Socket-outlet		Yes	It is an EEE, in the scope.
Plug for electric vehicle (Type 1)		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Plug for electric vehicle (Type 2)		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Plug for electric vehicle (Type 3)		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.

Combo plug and socket-outlet		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
EV charger device		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
<b>Uninterruptible Power Supply (UPS), energy accumulators</b>			
Uninterruptible Power Supply (UPS)		Yes	Its an EEE. UPSs above or equal 375 kVA are large scale fixed installation and not in the scope of WEEE. UPSs below 375 kVA are in the scope of WEEE Directive. See <b>CEMEP UPS position paper</b> for more information.
Electric energy accumulator or storage		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
<b>Electronic trips</b>			
Time relay		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Motor protection switch		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Starter		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
<b>Capacitor Banks</b>			
Power capacitors bank		Depends	All finished EEE are in the scope, producers of finished equipment have to be responsible for reporting
<b>Gas detectors</b>			
Gas detector		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Center for gas detection		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.

ATEX equipment			
Detector for flammable gases		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Electrical apparatus used for the direct detection and direct concentration measurement of toxic gases and vapours		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Gas detectors for toxic and combustible gases or vapours or oxygen		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Converters, inverters and frequency drives			
Converter		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Inverter		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Frequency converter		Yes	It is an EEE (has independent function itself). In the scope unless it is specifically designed and installed as part of a large-scale fixed installation.
Distribution and transmission network equipment			
Protection, control and metering equipment for electrical distribution network		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Protection, control and metering equipment for electrical transmission network		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Protection, control and metering equipment for substation electrical power machines		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Industrial relays for electrical distribution network		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Substation control and communication devices		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Intelligent data concentrators for substations		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information

MV/LV automation systems for transformation centers		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Communication devices for substations and transformation centers (networking for smartgrids)		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Power line carrier systems and accessories		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Teleprotection systems for substations		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Line tunings		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information
Sensors and couplers for smartgrids		Depends	Discrepancies among national enforcement Authorities regarding the interpretation of 'specifically designed' equipment. See <b>T&amp;D Europe</b> position paper for more information

31/07/2018