

Proposal for amendment to the legal inspection requirements for power supply products and static converters

By the Bureau of Standards, Metrology and Inspection (BSMI), Ministry of Economic Affairs

Background:

The development of the electrical motorcycles industry is an important government policy in Taiwan. In order to enhance the protection of consumers, the BSMI intends to regulate the inspection requirements for chargers for electrical motorcycles. Because chargers for electrical motorcycle, power supply products and static converters belong to the same C.C.C. Codes. TPKM intends to amend the original legal inspection requirements of power supply products and static converters to merge those of chargers for electrical motorcycles. The conformity assessment plan for all such products will be under the Registration of Product Certification (RPC) Scheme.

Proposed date of implementation:

- January 1, 2013

Table of power supply products, static converters and chargers for electrical motorcycles (HS/CCCN codes) covered and their applicable inspection standards:

| C.C.C.Code(the first 6 digits are the same as HS Code) | Description of Goods | Inspection Standards | Inspection scheme |
|--|---|--|--|
| 8504.40.20.00.3 | Static converters for automatic data processing machines and units thereof, and telecommunication apparatus (inspection scope: 1.only adapters convertible from AC to DC 2.chargers for electrical motorcycles) | 1.adapters: safety standard: CNS 14336-1 (2010) CNS 14408 (2004) EMC standard: CNS 13438 (2006) 2.chargers: safety standard: CNS 15425-1 (2011) EMC standard: CNS 13438 (2006) | Registration of Product Certification (RPC) (Module II and Module III) |

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|-----------------|--|--|---|
| 8504.40.91.00.7 | Other power supply, exchangeable type (inspection scope: 1.only adapters convertible from AC to DC 2.chargers for electrical motorcycles) | 1.adapters: safety standard: CNS 14336-1 (2010) CNS 14408 (2004) EMC standard: CNS 13438 (2006) 2.chargers: safety standard: CNS 15425-1 (2011) EMC standard: CNS 13438 (2006) | Registration of Product Certification (RPC) (Module II and Module III) |
| 8504.40.94.00.4 | Other power supply (inspection scope: only chargers for electrical motorcycles) | safety standard: CNS 15425-1 (2011) EMC standard: CNS 13438 (2006) | Registration of Product Certification (RPC) (Module II and Module III) |
| 8504.40.99.90.0 | Other static converters (inspection scope: 1.only adapters convertible from AC to DC 2.chargers for electrical motorcycles) | 1.adapters: safety standard: IEC 61558-1 (2009) 2.chargers: safety standard: CNS 15425-1 (2011) EMC standard: CNS 13438 (2006) | Registration of Product Certification (RPC) (Module II and Module III) |

Remarks : 1.CNS 15425-1 (2011) “Electric motorcycles conductive charging system-Part 1: General requirements”.

2.CNS 14336-1 (2010) “Information technology equipment - Safety - Part 1: General requirements”. (harmonized with IEC 60950-1 : 2005)

3.CNS 14408 (2004) “Audio, video and similar electronic apparatus - Safety requirements”. (harmonized with IEC 60065 : 2001)

4.CNS 13438 (2006) “Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement”. (harmonized with CISPR 22 : 2005)

5.IEC 61558-1(2009) “Safety of power transformers, power supplies, reactors and similar products - Part 1: General requirements and tests”.

The conformity assessment procedures for the inspection schemes are as follows:

Registration of Product Certification (RPC) Scheme (Module II+ III)

Under this procedure, domestic manufacturers or importers must have their products type-tested in advance (Module II) before applying for registration of their products. Manufacturers or importers will also be required to ensure by declaration that all products made at their manufacturing facilities are in conformity with the prototypes submitted for type test at Module II stage, and the declaration procedure is called Module III (conformity-to-type declaration). The conformity-to-type declaration shall be raised by the manufacturer or the authorized local representative, declaring that the products mass-produced will comply with the prototype as described in the type-test report.

Products will be allowed to use the Commodity Inspection Mark with the letter “R” and the identification number given by the BSMI, after they are certified and registered with the BSMI. These products can then pass through customs directly without any further inspection. The application fee and annual fee for RPC are both NT\$5,000 (about US\$170) for each certification, and the RPC certifications are valid for three years. If there are any serial products, the extra NT\$3,000 (about US\$102) of application fee is needed for every application in each certification.

Locations to apply for Type Testing:

- The BSMI or BSMI-designated testing laboratories.

Locations to apply for Registration of Product Certification:

- The BSMI or his branch offices.

Time required for Registration of Product Certification:

- Fifteen working days. (This period does not include the time for corrective actions by the applicant due to deficiencies in the documents or samples; another seven working days may be required if additional tests are required)

Related requirements:

1. From 2013 January 1, the above-mentioned chargers for electrical motorcycles will be subject to mandatory commodity inspection before they can be marketed in Taiwan. The available inspection plan is the Registration of Product Certification (RPC) Scheme. When the BSMI completes the review procedure and approves the application, a certificate will be issued and valid for 3 years starting from the issue date.

2. The inspection standards shall be the latest version of standards as of the date this public notice to be adopted. When the applicable standard is revised or amended, the date of applying the revised or amended standard shall be decided and announced by the BSMI.
3. For the products covered in this notice, the technical documents required for type testing shall be prescribed by the BSMI.
4. If the products covered in this notice have combined functions or multi-functions themselves, they shall comply with other relevant standards. If the products are equipped with some accessories which are subject to mandatory inspection, those accessories shall comply with their relevant requirements respectively.