

# Proposal for amendment to the legal inspection requirements for uninterruptible power systems (UPS) products

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

## Background:

Up to the present time, the uninterruptible power systems (UPS) products have to be subject to mandatory inspection in accordance with CNS 13438 (2006), CNS 14336-1 (2010), CNS 14843-1 (2004), CNS 14843-2 (2004) and CNS 14757-2 (2003). In order to enhance protection of consumers, the BSMI will adopt the revised electromagnetic compatibility (EMC) standard CNS 14757-2 (2010) (harmonized with IEC 62040-2 : 2005) and the electrical safety standards CNS 14843-1 (2004) and CNS 14843-2 (2004) for uninterruptible power systems (UPS) from March 1, 2013.

## Proposed date of implementation:

- **March 1, 2013**

**Table of power supply products, static converters and chargers for electrical motorcycles use (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
8504.40.92.00.6	Other uninterruptible power supply, having a power handling capacity not exceeding 10 KVA	safety standard: CNS 14843-1 (2004) CNS 14843-2 (2004)  EMC standard: CNS 14757-2 (2010)	Registration of Product Certification (RPC) (Module II and Module III)
8504.40.93.00.5	Other uninterruptible power supply (Output current exceed 400A is excluded)	safety standard: CNS 14843-1 (2004) CNS 14843-2 (2004)  EMC standard: CNS 14757-2 (2010)	Registration of Product Certification (RPC) (Module II and Module III)

- Remarks :
1. CNS 14843-1 (2004) “Uninterruptible power systems (UPS) - Part 1 : General and safety requirements for UPS used in operator access areas”. (harmonized with IEC 62040-1-1)
  2. CNS 14843-2 (2004) “Uninterruptible power systems (UPS) - Part 1 : General and safety requirements for UPS used in restricted access location”. (harmonized with IEC 62040-1-2)
  3. CNS 14757-2 (2010) “Uninterruptible power systems (UPS) - Part 2: Electromagnetic compatibility (EMC) requirements”. (harmonized with IEC 62040-2 : 2005)

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

### **1. 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 drawn up 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. 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.

### **2. Type Approved Batch Inspection (TABI) Scheme**

Under this scheme, the manufacturer or importer shall have their products type-tested by the BSMI or designated testing laboratories recognized by the BSMI, and then file an application for Type Approval with the BSMI.

After manufacturers or importers obtain type-approval certificates, they are required to file an application for inspection with the BSMI before their products are to be released from the production premises or arrive at the port of entry. The BSMI will then review the application and accompanying documents according to the simplified procedures. The application fee for a Type Approval is NT\$3500, and the Type Approval certificates are valid for three years.

### **Related requirements:**

1. From March 1, 2013, all such products which conform to the revised inspection standards are eligible to apply for Registration of Product Certification (RPC) or Type-approved Batch Inspection (TABI) from BSMI after this announcement.
2. For those UPS products which have been certified before date of implementation, the transient measures are as follows:
  - (1) These RPC or TABI certificates can still be used until their expired dates.
  - (2) These certificate holders can still apply for adding serial model(s) registration according to current requirements before February 28, 2013.
  - (3) These certificate holders can apply for the extension of validity of their certificates according to current requirements if the expired dates of these certificates fall before February 28, 2013, and their terms of validity are 3 years starting from the respective re-issue date; but if the expiration dates fall after March 1, 2013, these certificates should be handled in accordance with the provisions of the revised requirements.
3. The inspection for all such products against standard CNS 14757-2 will contain the electromagnetic susceptibility (EMS) testing.