

Legal inspection requirements for power supply products for automotive cigar lighters

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

Introduction:

Power supply products for automotive cigar lighter are widely used to connect to electronic devices such as dashboard cameras or mobile phones. A survey of such products raised safety concerns in aspects of overheating, fire-resistance and others. With a view to protecting consumers from relevant hazards arising from use of such products and to protect the environment, the Bureau of Standards, Metrology and Inspection (BSMI) regulates the safety, EMC and hazardous substances of power supply products for automotive cigar lighters. The inspection standards are CNS 14336-1 for safety, CNS 13438 for EMC and Section 5 of CNS 15663 for marking of presence of 6 hazardous substances. The conformity assessment procedure is Registration of Product Certification (Module II Type Test + Module III Conformity to Type Declaration).

Date of implementation: 1 January 2019

Description of Goods	Inspection Standards	Conformity Assessment Procedures	C.C.C. Code (the first 6 digits are the same as HS Code)(Reference)
Power supplies for automotive cigar lighters	1. CNS 14336-1(2010) 2. CNS 13438 (2006) 3. CNS 15663 (2013) Section 5 “Marking of Presence”	RPC Scheme (Module II+III)	8504.40.99.90.0G

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 be also 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 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.

Related requirements:

1. Upon the date of announcement of this measure, applications can be made to the BSMI for RPC certification. When the BSMI completes the review procedure and approves the application, a certificate will be issued and valid for 3 years.

2. For the requirement of Section 5 “Marking of presence” of CNS 15663, the certificate holders of the commodities shall clearly mark the presence condition of the restricted substances on the body, packages, stickers, or the instruction books of the commodities. Those who utilize website as an alternative means to announce the presence condition of the restricted substances of the commodities shall clearly mark the website address on the body, packages, stickers, or the instruction books of the commodities.
3. Locations to apply for type testing: the BSMI designated testing laboratories.
4. Locations to apply for Registration of Product Certification: the BSMI or its branches.
5. The Commodity Inspection Mark:
 - (1) The Commodity Inspection Mark shall be printed by the certificate holders. The identification number of the Commodity Inspection Mark consists of “A Letter (R or T),” “Designated Code (5 digits)” and “the presence conditions of the restricted substance” (e.g., RoHS or RoHS (XX,XX)).
 - (2) The identification number shall be placed below or to the right of the graphic symbol and “the presence conditions of the restricted substance” shall be indicated in the second row.
 - (3) The size of the Mark can be applied proportionally on a prominent location of the commodities. The Mark shall use materials that are not easily altered, and the content shall be in a clearly identifiable and indelible form affixed permanently to the commodity.
 - (4) For RPC scheme, the examples of the Commodity Inspection Mark are listed below:



- (5) “RoHS” indicates that the content of restricted substance(s), other than exemptions stated in CNS 15663, does not exceed the reference percentage value of presence condition.
 - “RoHS (XX,XX)” indicates that the content of restricted substance(s) (element XX, element XX, ...), other than exemptions stated in CNS 15663, exceeds the reference percentage value of presence condition.
- Restricted substances: Pb, Cd, Hg, Cr⁺⁶, PBB, and PBDE.
- Examples:
- RoHS (Pb) indicates that the percentage content of Pb in certain parts of the commodity exceeds the reference percentage value specified in Annex A to CNS 15663.
 - RoHS (Cd,Cr⁺⁶,PBB) indicates that the percentage content of Cd, Cr+6, and PBB in certain parts of the commodity exceeds the respective reference percentage value specified in Annex A to CNS 15663.
6. The C.C.C. Code listed in the table is used for reference only. The commodities listed in the table shall still complete the inspection procedures before entering into the market even though their C.C.C. Codes are identified differently by the Customs Administration, Ministry of Finance, or the Bureau of Foreign Trade, Ministry of Economic Affairs

7. Time required for Registration of Product Certification: 14 working days. (This period does not include the time for corrective actions by the applicant due to deficiencies in the documents or samples. Extra 7 working days may be required for additional tests.)
8. The inspection standards of the commodities listed in the table shall be the version published in this announcement. If any updated version is available, the BSMI shall publish the implementation date of the updated version in further announcements.
9. Commodities with combined features or multifunctional products shall comply with the respective inspection standards and conformity assessment procedures of RPC scheme.

Table 1

Example of markings for the presence conditions of the restricted substances exceeds the reference percentage value of presence conditions

Equipment name: Chargers for electrical bicycles, Model : XXX(*)						
Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr ⁺⁶)	Polybrominated Biphenyls (PBB)	Polybrominated Diphenyl Ethers (PBDE)
Circuit board	Exceeding 0.1 wt %	○	○	○	○	○
Shell	—	○	Exceeding 0.01 wt %	○	○	Exceeding 0.1 wt %
Control panel	○	○	○	○	○	○
Accessory	○	○	○	○	○	○
Note 1: “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value. Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the reference percentage value. Note 3: The “—” indicates that the restricted substance is exempted.						

* The “name and model” can be omitted if the position of the “markings for the presence conditions” clearly identifies the corresponding commodity. Multiple types could be shown together if the “markings for the presence conditions” are applicable.

Table 2

Example of markings for the content of the restricted substances other than exemption do not exceed the reference percentage value of presence condition

Equipment name: Chargers for electrical bicycles, Model : YYY(*)						
Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr ⁺⁶)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Circuit board	○	○	○	○	○	○
Shell	○	○	○	○	○	○
Control panel	—	○	○	○	○	○
Accessory	—	○	○	○	○	○
Note 1: “○” indicates that the percentage content of restricted substance does not exceed the reference percentage value. Note 2: The “—” indicates that the restricted substance is exempted.						

* The “name and model” can be omitted if the position of the “markings for the presence conditions” clearly identifies the corresponding commodity. Multiple types could be shown together if the “markings for the presence conditions” are applicable.