

# Amendment to legal inspection requirements for 7 items of electrical and electronic products

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

## **Introduction:**

The Bureau of Standards, Metrology and Inspection (BSMI) proposes to revise the inspection standards for static converters, power supplies, accumulators and battery chargers to take into account technology advances and consistency of regulatory management. Below are summaries of the proposed requirements:

1. To adopt the most recent version of national standards for electrical motorcycles, which involve those for static converters (CNS 15425-1), power supplies (CNS 15425-1), and accumulators (CNS 15424-1, 15424-2, 15387);
2. To provide alternative inspection standards for 3C battery chargers (CNS 13783-1, 60335-1 and 60335-2-29; and
3. To require marking of presence conditions of 6 hazardous substances (Section 5 of CNS 15663, accumulators being exempted from such marking).

The conformity assessment procedure for products subject to this notified measure remains the same, i.e. Registration of Product Certification.

## **Proposed date of implementation:**

For the “Marking of Presence”: 1 January 2018;

For the revised inspection standards of safety, performance and EMC: 1 January 2019

Description of Goods	Inspection Standards	C.C.C. Code (the first 6 digits are the same as HS Code)(Reference)
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 (1) CNS 14336-1 (2010) or CNS 14408 (2004) (2) CNS 13438 (2006) (3) CNS 15663 (2013) Section 5 “Marking of Presence” 2. chargers (1) CNS 15425-1 (2015) (2) CNS 13438 (2006) (3) CNS 15663 (2013) Section 5 “Marking of Presence”	8504.40.20.00.3A 8504.40.20.00.3B
Other power supply, exchangeable type (inspection scope: 1. only adapters convertible from AC to DC  2. chargers for electrical motorcycles)	1. adapters (1) CNS 14336-1 (2010) or CNS 14408 (2004) (2) CNS 13438 (2006) (3) CNS 15663 (2013) Section 5 “Marking of Presence” 2. chargers (1) CNS 15425-1 (2015) (2) CNS 13438 (2006) (3) CNS 15663 (2013) Section 5 “Marking of Presence”	8504.40.91.00.7A 8504.40.91.00.7B

Other power supply (inspection scope: only chargers for electrical motorcycles)	1.CNS 15425-1(2015) 2.CNS 13438 (2006) 3.CNS 15663 (2013) Section 5“Marking of Presence”	8504.40.94.00.4A
Other static converters (inspection scope: 1.only adapters convertible from AC to DC  2.chargers for electrical motorcycles)	1.adapters (1)IEC 61558-1(2009) (2)CNS 15663 (2013) Section 5“Marking of Presence” 2.chargers (1)CNS 15425-1(2015) (2)CNS 13438 (2006) (3)CNS 15663 (2013) Section 5“Marking of Presence”	8504.40.99.90.0A 8504.40.99.90.0B
Lithium accumulators (inspection scope: only Secondary lithium batteries for electrical motorcycles use)	1.CNS 15424-1 (2015) 2.CNS 15424-2 (2015) 3.CNS 15387 (2015)	8507.80.00.10.3A
Other accumulators (inspection scope: only Secondary lithium batteries for electrical motorcycles use)	1.CNS 15424-1 (2015) 2.CNS 15424-2 (2015) 3.CNS 15387 (2015)	8507.80.00.90.6A 8507.60.00.00.9A
Battery charger for computer, communication and consumer electronics	1. (1)CNS 14336-1 (2010) or CNS 14408 (2004) (2)CNS 13438 (2006) or (1)CNS 60335-1(2014) (2)CNS 60335-2-29 (2016) (3)CNS 13783 (2013) 2. CNS 15663 (2013) Section 5 “Marking of Presence”	8504.40.20.00.3C 8504.40.91.00.7C 8504.40.94.00.4B 8504.40.99.90.0C

#### **Related requirements:**

1. The revised inspection standards of the commodities listed above will come into force on the date of announcement and the current inspection standards will become invalid from 1 January 2019. They are required to comply with the requirements before being placed on the market in Taiwan.
2. Where applicable, the certificate holders of the commodities shall follow the content stipulated in Section 5 “Marking of presence” of CNS 15663 and clearly mark “the presence condition of the restricted substances” on the bodies, packages, stickers, or the instruction books of the commodities. Those who utilize website as a means to announce “the presence condition of the restricted substances” of the commodities shall also clearly mark the website address on the body, packages, stickers, or the instruction books of the commodities. In that case, the requirements of Section 5.3 of CNS 15663 are not applicable to the positions of the markings.
3. Processing of applications:
  - (1)Replacement:

Before 31 December 2017, the certificate holder shall apply to the BSMI or its branches for replacement of their certificates by preparing documents related to the location of the “marking of presence,” samples of the “Marking of Presence” (see

Tables 1 and 2), and “the Declaration of the Presence Condition of the Restricted Substances Marking.” The expiration date of the replaced certificates will be the same as that of the original certificates if the original certificate expires before 31 December 2018. In case the original expiration date is beyond 31 December 2018, and the certificate holder provides type-test reports based on revised inspection standards and technical documents, the expiration date of the replaced certificates will be the same as that of the original certificates; otherwise the certificates will be expired on 31 December 2018. Certificates that are not replaced before 31 December 2017 will be rescinded based on Paragraph 1, Article 16 of the “Regulations Governing Type Approval of Commodities” or Paragraph 9, Article 42 of the “Commodity Inspection Act.”

(2) New application or extension:

From the date of announcement, applicants shall apply for certificate(s) according to the revised inspection standards by preparing the required type-test reports, technical documents as well as documents indicating the location of the “marking of presence,” samples of the “Marking of Presence” (see Tables 1 and 2), and “the Declaration of the Presence Condition of the Restricted Substances Marking.” The validity period of certificate will be 3 years. The certificates will be valid until 31 December 2017 if the application is made based on the old inspection standards and without Section 5 “Marking of Presence” of CNS 15663. If the application is made based on the old inspection standards but with Section 5 “Marking of Presence,” the expiry date of the certificate will be 31 December 2018.

4. 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 right next to 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<sup>+6</sup>, 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<sup>+6</sup>,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.
5. 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
  6. 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.)
  7. Sections 4.1, 4.2.3 and 4.3.5 of CNS 15425-1(2015-04) are not applicable to chargers for electrical motorcycles.
  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 motorcycles, Model : XXX(*)						
Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent Chromium (Cr <sup>+6</sup> )	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	○	○	○	○	○	○
<b>Note 1:</b> “Exceeding 0.1 wt %” and “exceeding 0.01 wt %” indicate that the percentage content of the restricted substance exceeds the reference percentage value. <b>Note 2:</b> “○” indicates that the percentage content of the restricted substance does not exceed the reference percentage value. <b>Note 3:</b> 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 motorcycles, Model : YYY(*)						
Unit	Restricted substances and its chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr <sup>+6</sup> )	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Circuit board	○	○	○	○	○	○
Shell	○	○	○	○	○	○
Control panel	—	○	○	○	○	○
Accessory	—	○	○	○	○	○
<b>Note 1:</b> “○” indicates that the percentage content of restricted substance does not exceed the reference percentage value. <b>Note 2:</b> 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.