

Amendments to the Legal Requirements for Fans and 6 Other Electrical Appliances

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

Introduction:

In response to the safety concerns of secondary batteries which resulted in increasing incidents of explosion, the Bureau of Standards, Metrology and Inspection (BSMI) includes products with secondary cells/batteries in the inspection scope based on a staged approach. This proposal covers fans and 6 other electrical appliances and the secondary lithium cells/batteries used by these products shall comply with CNS 15364: 2013 and Sections 7.3.8.1 "vibration" and 7.3.8.2 "mechanical shock" of CNS 62133-2: 2018. Relevant administrative arrangements for products already certified are provided.

Date of implementation:

1 January 2023

Product scope:

| Description of Goods | Inspection Standards | C.C.C. Code (the first 6 digits are the same as HS Code)(Reference) | Conformity Assessment Procedure |
|--|--|---|---|
| Fans (inspection scope: rated voltage not exceeding single-phase 250V AC and rated power consumption not exceeding 500W (if without the electro-thermal devices), including those interconnectable multiple-fan system using with a controller, exclusive of those incorporated in other appliances) | CNS 60335-1: 2014, CNS 60335-2-80: 2015, CNS 13783-1: 2013, and CNS 15663: 2013 Section 5 "Marking of Presence" For the product with the secondary lithium cells/batteries: <ul style="list-style-type: none"> ● Cells (include the cells in the batteries): CNS 15364: 2013 ● Batteries: CNS 62133-2: 2018 Sections 7.3.8.1 "vibration" and 7.3.8.2 "mechanical shock" | 8414.51.00.00.2A 8414.59.10.00.2 8414.59.90.00.5A | RPC Scheme (Module II+III) or TABI Scheme |
| Vacuum cleaners & Water-suction cleaners (inspection scope: rated voltage not exceeding single-phase 250V AC, exclusive of those for animal use) | CNS 60335-1: 2014, CNS 60335-2-80: 2015, CNS 13783-1: 2013, and CNS 15663: 2013 Section 5 "Marking of Presence" For the product with the secondary lithium cells/batteries: <ul style="list-style-type: none"> ● Cells (include the cells in the batteries): CNS 15364: 2013 ● Batteries: CNS 62133-2: 2018 Sections 7.3.8.1 "vibration" and 7.3.8.2 "mechanical shock" | 8508.11.00.00.8 8508.19.00.00.0 8508.60.00.00.8 | |
| Electric food grinders (inspection scope: vegetable slicers, bean slicers, cheese graters, vegetable graters, vegetable shredders and grain grinders (hopper capacity not exceeding 3L), rated voltage not exceeding 250V) | CNS 60335-1: 2014, CNS 60335-2-80: 2015, CNS 13783-1: 2013, and CNS 15663: 2013 Section 5 "Marking of Presence" For the product with the secondary lithium cells/batteries: <ul style="list-style-type: none"> ● Cells (include the cells in the batteries): CNS 15364: 2013 | 8509.40.00.00.2A 8509.80.90.00.4G 8516.79.00.00.7Y | |

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|--|--|--------------------------------------|--|
| Electric food mixers (inspection scope: food blenders, juicers, cream whippers, egg beaters, food mixers, food processors, and mincers, rated voltage not exceeding 250V) | <ul style="list-style-type: none"> Batteries: CNS 62133-2: 2018 Sections 7.3.8.1 “vibration” and 7.3.8.2 “mechanical shock”m batteries (if included) | 8509.40.00.00.2B | |
| Electric juice extractors/ fruit squeezers (inspection scope: rated voltage not exceeding 250V) | | 8509.40.00.00.2C | |
| Electric hair setting curlers (inspection scope: rated voltage not exceeding 250V, exclusive of those for animal use) | <p>CNS 60335-1: 2014, CNS 60335-2-80: 2015, CNS 13783-1: 2013, and CNS 15663: 2013 Section 5 “Marking of Presence” For the product with the secondary lithium cells/batteries:</p> <ul style="list-style-type: none"> Cells (include the cells in the batteries): CNS 15364: 2013 Batteries: CNS 62133-2: 2018 Sections 7.3.8.1 “vibration” and 7.3.8.2 “mechanical shock” | 8516.32.00.00.3B | RPC Scheme (Module II+VII) or TABI Scheme |
| Electric massage appliances (inspection scope: rated voltage not exceeding 250V, including those air pressure type equipment, exclusive of those medical devices specified by the Pharmaceutical Affairs Act) | <p>CNS 60335-1: 2014, CNS 60335-2-80: 2015, CNS 13783-1: 2013, and CNS 15663: 2013 Section 5 “Marking of Presence” For the product with the secondary lithium cells/batteries:</p> <ul style="list-style-type: none"> Cells (include the cells in the batteries): CNS 15364: 2013 Batteries: CNS 62133-2: 2018 Sections 7.3.8.1 “vibration” and 7.3.8.2 “mechanical shock” | 9019.10.19.00.8B 9506.91.00.00.1B | RPC Scheme (Module II+III) or TABI Scheme |

Conformity assessment procedure: No change.

Related requirements:

- This measure does not apply to products with any of the following features:
 - Without an AC to DC adaptor, rated input by USB cord/port DC 5V and not powered by secondary cells/batteries,
 - Powered by automotive cigarette lighter plug only and not powered by secondary cells/batteries,
 - Powered by three-phase system only,
 - Powered by primary batteries only, or
 - Toys which are subject to legal inspection.
- Documents specifically required for secondary lithium cells/batteries: Certificates issued by product certification bodies or test reports issued by testing laboratories accredited by Taiwan Accreditation Foundation, showing compliance with the standards listed in Box “Inspection Standards” of above table or other national/international standards that are identical to or updated of that inspection standards.
- Type Approval Certificates or RPC Certificates:
 - Type Approval Certificate or RPC Certificate obtained before 31 December 2022 will be valid until the expiration date.
 - For products subject to this proposal, the certificate holder shall apply to the BSMI for an extension after 1 January 2023 by submitting the documents mentioned in Item 2 for

secondary lithium cells/batteries and other necessary documents. The validity period will be 3 years after the issuance date of the new certificate.

(3) New applications

Starting 1 January 2023, applicants apply for Type Approval Certificates or RPC Certificate(s) shall submit to the BSMI type-test reports, technical documents, documents indicating the location of the “marking of presence,” samples of the "Marking of Presence" (see Tables 1 and 2), the “Declaration of the Presence Condition of the Restricted Substances Marking” and, if the products are equipped with secondary cells/batteries, the documents mentioned in Item 2. The validity period of the certificate is 3 years.

4. The certificate holders of the products 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 body, packages, stickers, or the instruction books of the products. Those who utilize website as a means to announce “the presence condition of the restricted substances” shall also clearly mark the website address on the body, packages, stickers, or the instruction books of the products. In that case, the requirements of Section 5.3 of CNS 15663 are not applicable to the positions of the markings.

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 one 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) For TABI scheme, the examples of the Commodity Inspection Mark are listed below:



(6) “RoHS” indicates “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 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 commodity listed in the table shall still complete the inspection procedures before entering into the market even though their C.C.C. Code is identified differently by the Customs Administration, Ministry of Finance or Bureau of Foreign Trade, Ministry of Economic Affairs.
 7. The inspection standards of the products 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 announcement.
 8. National deviation: The supply cords shall at least comply with CNS 15767-1 “Plugs and socket-outlets for household and similar purposes-Part 1: General requirements.” Class 0 structure does not be allowed.
 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: Fan, 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 % | ○ | ○ | ○ | ○ | ○ |
| Motor | ○ | ○ | ○ | ○ | ○ | ○ |
| Power switch | — | Exceeding 0.1 wt % | ○ | ○ | ○ | ○ |
| Power cord | ○ | ○ | ○ | ○ | ○ | ○ |
| Shell | ○ | ○ | Exceeding 0.01 wt % | ○ | ○ | Exceeding 0.1 wt % |
| <p>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.</p> <p>Note 2: “○” indicates that the percentage content of the restricted substance does not exceed the reference percentage value.</p> <p>Note 3: The “—” indicates that the restricted substance is exempted.</p> | | | | | | |

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: Fan, 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 | ○ | ○ | ○ | ○ | ○ | ○ |
| Motor | ○ | ○ | ○ | ○ | ○ | ○ |
| Power switch | - | ○ | ○ | ○ | ○ | ○ |
| Power cable | ○ | ○ | ○ | ○ | ○ | ○ |
| Shell | ○ | ○ | ○ | ○ | ○ | ○ |
| <p>Note 1: “○” indicates that the percentage content of restricted substance does not exceed the reference percentage value.</p> <p>Note 2: The “-” indicates that the restricted substance is exempted.</p> | | | | | | |

(*) 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.