

Amendments to the Legal Inspection Requirements for Air-cleaning Appliances

By the Bureau of Standards, Metrology and Inspection (BSMI), Ministry of Economic Affairs (M.O.E.A.)

Introduction:

In line with the energy policy, the BSMI requires that air-cleaning appliances be subject to CNS 16098: 2019. The measured efficiency and standby power shall comply with the Table of “MEPS for Air Cleaners” as stated in “Requirements on Minimum Energy Performance Standard, Energy Efficiency Rating Labelling and Inspection for Air Cleaners” to be adopted by the Bureau of Energy, which was notified as G/TBT/N/TPKM/451.

The conformity assessment procedures for products subject to this notified measure remain the same, i.e. Registration of Products Certification (RPC) or Type-Approved Batch Inspection (TABI).

Date of implementation:

1 Jan 2023

Description of Goods	Inspection Standards	C.C.C. Code (the first 6 digits are the same as HS Code)(Reference)
Air-cleaning Appliances (inspection scope: only those using with a filter net, electrostatic precipitator, negative ionizer, ozone generator, ultra-violet light or photo-catalyst as purifying methods and rated voltage not exceeding 250V, exclusive of those mounted in ducts or using air exchanging system with outdoor air convection or medical devices specified by the Pharmaceutical Affairs Act)	<ol style="list-style-type: none"> 1. CNS 60335-1: 2014 & CNS 60335-2-65: 2015 2. CNS 13783-1: 2013 3. For the products that under the scope of “Requirements on Minimum Energy Performance Standard and Energy Efficiency Rating Labelling and Inspection for Air Cleaners”: CNS 16098: 2019, where the measured efficiency and standby power shall comply with the Table of “MEPS for Air Cleaners” stated in “Requirements on Minimum Energy Performance Standard and Energy Efficiency Rating Labelling and Inspection for Air Cleaners”. 4. CNS 15663: 2013 Section 5 “Marking of Presence” 	<p>8421.39.10.00.8</p> <p>8543.70.30.00.7</p> <p>8543.70.99.90.6G</p>

Conformity assessment procedures: No change.

Related requirements:

1. The air-cleaning appliances powered by USB cord/port DC 5V and without an AC to DC adaptor, only powered by and with power supply products for automotive cigar lighter, only powered by three-phase or only-batteries shall not be subject to legal inspection.
2. 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 Jan 2023. The applicable inspection schemes, conformity assessment modules of RPC and duration of certificates for the commodities above will remain unchanged.
3. National deviations:

- (1) The supply cords shall at least comply with CNS 15767-1 “Plugs and socket-outlets for household and similar purposes – Part 1: General requirements” at section 25.7, CNS 60335-1.
- (2) Class 0 structure is not allowed.
4. 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 body, 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.
5. Processing of applications:

(1) Replacement:

Before 1 January 2023, the certificate holders shall apply to the BSMI or its branches for replacement of their certificates by preparing type-test reports and technical documents based on CNS 16098. The expiration date of the replaced certificates will be the same as that of the original certificates. Certificates that are not replaced before 31 December 2022 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 three years. The certificates will be valid till 31 December 2022 if the application is made based on the current inspection standards.

6. 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 (five 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.
7. 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 its C.C.C. Code is identified differently by the Customs Administration, Ministry of Finance or Bureau of Foreign Trade, Ministry of Economic Affairs.
 8. 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.
 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: Air-cleaning Appliances, 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 %	○	○	○	○	○
Power switch	—	Exceeding 0.1 wt %	○	○	○	○
Motor	○	○	○	○	○	○
Power cord	○	○	○	○	○	○
Shell	○	○	Exceeding 0.01 wt %	○	○	Exceeding 0.1 wt %

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.

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: Air-cleaning Appliances, 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	○	○	○	○	○	○
Power switch	-	○	○	○	○	○
Motor	○	○	○	○	○	○
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.