Proposal for Legal Inspection Requirements for LED Lamp Controlgear

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

Introduction:

With the advancement of the lighting industry, LED light sources have gradually replaced traditional sources such as fluorescent lamps. As a result, the use of dedicated power devices, namely LED lamp controlgear, has become increasingly common. To protect consumer rights and ensure product safety, the BSMI proposes to include LED lamp controlgears in the scope of mandatory inspection. The conformity assessment procedure will be the Registration of Product Certification Scheme (Modules II+III).

Proposed date of implementation: 1 January 2027.

Scope of covered products:

Description of Goods	Inspection Standards (Note)	C.C.C. Code (the first 6 digits are the same as HS Code)(For reference)	Conformity Assessment Procedures
LED lamp controlgear (Inspection scope: limited to independent type and enclosed built-in type, with a rated input voltage not exceeding 300V AC and a rated output power not exceeding 500W, intended for general lighting purposes)	1、CNS 61347-1:2018 2、CNS 61347-2-13:2019 3、CNS 14115:2016 4、IEC 61000-3-2:2024 5、CNS 15663:2013: Section 5 "Marking of presence"	8504.40.91.00.7G	RPC Scheme (Modules II+III)
Note: The power cords of the listed products shall comply with CNS 15767-1, "Plugs and socket-outlets for household and similar purposes - Part 1: General requirements," or other relevant national standards for power cord sets. The listed products shall not be of Class 0 electrical construction.			

Description of the conformity assessment procedure:

Registration of Product Certification (RPC) Scheme (Modules II+III)

Under this procedure, domestic manufacturers or importers must have their products type-tested by BSMI-designated testing laboratories in advance (Module II) before applying for registration of their products. Manufacturers or importers are also required to ensure by declaration that all products manufactured at their facilities or imported conform to the prototypes submitted for type testing at Module II stage, and this declaration procedure is called Module III (conformity-to-type declaration). The conformity-to-type declaration shall be prepared by the manufacturer or the authorized local representative, declaring that the mass-produced products 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 be cleared through customs directly without any further inspection, unless sampled under the RPC border-check procedure. The application fee and annual fee for RPC are both NT$5,000 (about US$170) for each certification, and the RPC certificates are valid for three years. For serial products, an additional NT$3,000 (about US$102) is charged for each application in each certificate.

The fees for type-testing vary by products and depend on the fee schedule of the testing laboratories.

*Further information on the scheme can also be found on the BSMI website:
https://www.bsmi.gov.tw/wSite/ct?xItem=102868&ctNode=9846&mp=2

Locations to apply for Type Testing:

The BSMI designated testing laboratories.

Locations to apply for Registration of Product Certification:
The BSMI or its branches.

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. An additional 7 working days may be required if additional tests are necessary.)

Related requirements:

1. The inspection for the above-listed commodity, where imported and domestically produced, will begin on 1 January 2027. From the announcement date, the BSMI will accept applications for Registration of Product Certification for the above-listed commodity.

2. Applicants who submit a certificate application to the BSMI from the date of announcement shall provide the type-test report that meets the inspection standards. The certificate shall be issued after the examination by the BSMI. The validity period of the certificate shall be three years from the date of issuance. (If the issuance date is before 31 December 2026, the effective date shall begin on 1 January 2027 and the expiry date shall be 31 December 2029.)

3. The above-listed products should indicate the presence of restricted substances in accordance with Section 5, "Labeling," of CNS 15663 (2013) (the example format shown in Table 1 and Table 2) on the body, packaging, label, or instructions. However, for products that provide (or disclose) the presence of restricted substances via a webpage, the URL link should be clearly stated on the body, packaging, label, or instructions. The location of the indication is not subject to the provisions of Section 5.3 of CNS 15663.

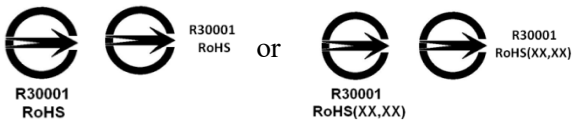
4. After the above-listed products are approved by the BSMI for the issuance of a certificate, the labeling requirements are as follows:

   (1) Based on “Regulations Governing the Use of Commodity Inspection Mark,” the Commodity Inspection Mark shall be printed by the certificate holders. The identification number of the Commodity Inspection Mark consists of “a Letter (R),” “a designated code (5 digits),” and “the presence conditions of the restricted substances” (e.g., RoHS or RoHS (XX,XX)).

   (2) The identification number shall be placed below or immediately next to the graphic symbol and “the presence conditions of the restricted substances” shall be indicated in the second row.

   (3) The Commodity Inspection Mark is not subject to a fixed size but shall be displayed proportionally in a prominent location on the product. It shall be made of durable materials, with clear and legible content that is not easily worn, and it shall be affixed permanently.

   (4) The examples of the Commodity Inspection Mark are listed below:



   (5) “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) For those who obtain the Registration of Product Certification before 31 December 2026, they may print the product inspection mark themselves in accordance with the above regulations starting from the date of obtaining the certificate.

5. The technical documents required for type testing shall comply with the requirements specified in the “Directions Governing Type Approval of Electrical and Electronic Commodities.”

6. Fees for product type-testing: Charged in accordance with the fee regulations of the BSMI’s designated testing laboratory.

7. Fees for product registration of product certification: Charged in accordance with the relevant provisions of the "Regulations Governing Fees for Commodity Inspection."

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 a 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: LED Lamp Controlgear：XXX (Note)						
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	○	○		○	○	○
Switch	—	Exceeding 0.1 wt %	○	○	○	○
Power cord	○	○	○	○	○	○
Accessory	○	○	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 of presence condition.						
Note 2: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.						
Note 3: The "–" indicates that the restricted substance corresponds to the exemption.						

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: LED Lamp Controlgear：XXX (Note)						
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	○	○	○	○	○	○
Switch	—	○	○	○	○	○
Power cord	○	○	○	○	○	○
Accessory	○	○	○	○	○	○
Note 1: "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.						
Note 2: The "–" indicates that the restricted substance corresponds to the exemption.						

Note: If the position of the label clearly indicates the relationship with the product, the column for device name and model number may be omitted above the label. Additionally, if the label applies to multiple models, their numbers can be listed in the same column.