Proposal for amendment to the legal inspection regulation for explosion proof motors

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

Background:

At the request of industry and the objective of ensuring protection of workers in the working place, the Bureau of Standards Metrology and Inspection (BSMI), having coordinated with the Council of Labour Affairs (CLA), the regulatory authority of safety of workers, would like to require that explosion proof motors pass legal inspection before they are marketed.

Currently, explosion proof motors are subject to mandatory inspection by BSMI, but the original inspection standard CNS 11799 is different from CLA. In order to make consistency of inspection standard, the BSMI will refer to the CLA's explosion proof motors series standard of CNS 3376 or IEC 60079 as new safety testing standard.

Proposed date of implementation:

January 1, 2013

Table of explosion proof electric motors (HS/CCCN codes) covered and their applicable inspection standards:

<table>
<thead>
<tr>
<th>C.C.C. Code (the first 6 digits are the same as HS Code)</th>
<th>Description of Goods</th>
<th>Inspection Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>8501.40.10.00-8</td>
<td>Other explosion proof AC motors, single-phase (inspection scope: only below 22.5kW and without other device)</td>
<td>CNS 1057 (2001), CNS 3618 (1992), Series of CNS 3376 or IEC 60079</td>
</tr>
<tr>
<td>8501.51.10.00-4</td>
<td>Explosion proof AC motors, multi-phase, of an output exceeding 37.5W but not exceeding 750W (inspection scope: without other device)</td>
<td>CNS 1056 (1999), CNS 14400 (2003), Series of CNS 3376 or IEC 60079</td>
</tr>
<tr>
<td>8501.52.10.00-3</td>
<td>Explosion proof AC motors, multi-phase, of an output exceeding 750W but not exceeding 75kW (inspection scope: only below 22.5kW and without other device)</td>
<td>CNS 1056 (1999), CNS 14400 (2003), Series of CNS 3376 or IEC 60079</td>
</tr>
</tbody>
</table>

Conformity Assessment Scheme

The applicable conformity assessment scheme for explosion proof motors listed in the Table is Registration of Product Certification (RPC) Scheme (Module II+III)

Notes:

Module II & III of Registration of Product Certification (RPC) Scheme

Under this procedure, domestic manufacturers or imports must have their products type-tested in advance (Module II) before applying for registration of their products. Manufacturers or importers will also be 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 drawn up by the manufacturer or the authorized local representative, declaring that the products mass-produced will comply with the prototype as described in the type-test report. Products will be allowed to use the RPC Certification Mark with designated letter “R” and the identification number given by the BSMI, after they are certified and registered with the BSMI. Both the application fee and annual fee for RPC is NT$5,000 for each type of product, and a RPC certificate is generally valid for three years.

Other inspection requirements for the explosion proof motors listed in the Table:

1. The standard CNS 11779 (1993) will be not applicable to the mandatory inspection of explosion proof motors from January 1, 2013
2. For those explosion proof products which have been certified before date of implementation, the transient measures are as follows:
   (1) These RPC certification can still be used until their expiry dates.
   (2) These certification holders can apply for the extension of validity of their certificates according to current requirements if the expiry dates of these certificates fall before December 31, 2012, and their terms of validity are 3 years starting from the respective re-issue date; but if the expiration dates fall after January 1, 2013, these certificates can not be used to apply for the extension of validity.
   (3) These certification holders can still apply for adding serial model(s) registration according to current requirements before December 31, 2012.
3. The explosion-proof type test according to CNS 3376 or IEC 60079 shall be performed by the institute recognized by the Council of Labor Affairs. The other safety and performance type tests shall be implemented at the BSMI or BSMI-designated Testing Laboratories.
4. The timeframe for completing the review of issuing RPC certificate is 14 working days, excluding the time period, if necessary, of waiting for another sample and/or necessary documents for review and evaluation. Another 7 working days will be needed to take another sample for the above-mentioned review and evaluation process.
5. The obligatory applicants can print or affix the RPC Certification Marks on the products by themselves.
6. The inspection standards shall be the version as listed in this public notice. When the applicable standards are revised or amended, the date of applying these revised or amended standards for inspection shall be further decided and announced by the BSMI.
7. The technical documents required for type test (excluding explosion proof test) shall be prescribed by the BSMI.