NOTIFICATION

The following notification is being circulated in accordance with Article 10.6

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| **1.** | **Notifying Member:** New Zealand  **If applicable, name of local government involved (Article 3.2 and 7.2):** |
| **2.** | **Agency responsible:**  Ministry of Business, Innovation & Employment  P.O. Box: 10729  Wellington, New Zealand  Phone: +64-4-9010 8603  Email: [Carolyn.Shivanandan@eeca.govt.nz](mailto:Carolyn.Shivanandan@eeca.govt.nz)  Web: <http://www.mbie.govt.nz>  **Name and address (including telephone and fax numbers, email and website addresses, if available) of agency or authority designated to handle comments regarding the notification shall be indicated if different from above:**  Energy Efficiency and Conservation Authority  P.O. Box: 388  Wellington, New Zealand  Phone: +64-4-470 2200  Email: [Carolyn.Shivanandan@eeca.govt.nz](mailto:Carolyn.Shivanandan@eeca.govt.nz)  Web: <http://www.eeca.govt.nz> |
| **3.** | **Notified under Article 2.9.2 [****X], 2.10.1 [ ], 5.6.2 [ ], 5.7.1 [ ], other:** |
| **4.** | **Products covered (HS or CCCN where applicable, otherwise national tariff heading. ICS numbers may be provided in addition, where applicable):** Three-phase cage induction motors (electric motors)  Motors (ICS 29.160.30). |
| **5.** | **Title, number of pages and language(s) of the notified document:**  1. The International Electrotechnical Commission (IEC) test standard IEC 60034-2-1:2014, Rotating electrical machines - Part 2-1: Standard methods for determining losses and efficiency from tests (excluding machines for traction vehicles).  2. The Energy Efficiency (Energy Using Products) Regulations 2002 (the Regulations). The current version of the Regulations (into which these proposed changes will be incorporated, subject to Cabinet approval) is available for viewing at: <http://www.legislation.govt.nz/regulation/public/2002/0009/latest/DLM108730.html?search=ts_act%40bill%40regulation%40deemedreg_energy+efficiency_resel_25_a&p=1#DLM108798> |
| **6.** | **Description of content:** The *IEC 60034-2-1:2014* test standard is the established international test procedure for determining the energy efficiency of electric motors internationally, including minimum performance standards (MEPS).  **Change in the scope of the regulations**  Electric motors are currently regulated in New Zealand under the *Energy Efficiency (Energy Using Products) Regulations 2002* (the regulations).  Minor changes to wording and definitions in the scope of the regulations will be required to adopt the IEC test standard, and to clarify ambiguities, including the definition of families of electric motor models, and the classes of products that are covered or not covered by the amended regulations.  The scope of the regulations will be updated to align with the wording used in the *Greenhouse and Energy Minimum Standards (Three-Phase Cage Induction Motors) Determination 2012*, when the Determination is next updated.  **Change in the test method used to measure energy performance**  The current test method *AS/NZS 1359.5:2004* which applies to electric motors under the regulations provides for two alternative test methods (A and B) and different MEPS levels.  The international test method *IEC 60034-2-1:2014*, used for determining the energy consumption of three-phase cage induction motors (electric motors), will be adopted in place of *AS/NZS 1359.5:2004*.  Adopting the IEC standard will achieve alignment with international standards and best practice. It will replace outdated test requirements, and will reduce business compliance as many motors available on the local market are already being tested to the international standard. It will also address inconsistencies with the existing standard providing for two alternative test methods with different MEPS levels.  **Revisions to Minimum Energy Performance Standards**  In Australia and New Zealand MEPS are currently prescribed by the standard *AS/NZS 1359.5:2004*, which incorporates minimum energy performances standards requirements for electric motors. The proposed changes involve minor updates and revisions to current MEPS:   * Adjust MEPS for electric motors to make them compatible with *IEC 60034-2-1:2014*. This will involve minor adjustments to MEPS that will make compliance easier and be less costly to businesses, without materially affecting compliance rates. * To update the wording on the scope and exemptions that apply under MEPS, to provide greater clarity. As currently worded, the scope is ambiguous on how MEPS apply to electric motors that operate on intermittent duty cycles. It will be reworded to clarify that these are exempt from meeting MEPS. |
| **7.** | **Objective and rationale, including the nature of urgent problems where applicable:** Contributing to the government's priority "Efficient Use of Energy" under the New Zealand Energy Strategy 2011-2021. |
| **8.** | **Relevant documents:**  The standard that currently applies to electric motors under regulation is available from the Standards New Zealand website: <https://shop.standards.govt.nz/catalog/1359.5%3A2004%28AS%7CNZS%29/view>  The exposure draft of the determination is available at: [http://www.energyrating.gov.au/consultation/electric-motors-determination-exposure-draft](http://www.energyrating.gov.au/consultation/electric-motors-determination-exposure-draft%20) |
| **9.** | **Proposed date of adoption:**The proposed regulatory changes will be incorporated into New Zealand Regulation no earlier than September 2018.  **Proposed date of entry into force:**The proposed MEPS requirements for electric motors will come into force in New Zealand Regulation no earlier than February 2019. |
| **10.** | **Final date for comments:** 30 July 2018 |
| **11.** | **Texts available from: National enquiry point [ ]** **or address, telephone and fax numbers and email and website addresses, if available, of other body:**  Energy Efficiency and Conservation Authority P.O. Box: 388 Wellington, New Zealand Phone: +64-4-470 2200 Email: [Carolyn.Shivanandan@eeca.govt.nz](mailto:Carolyn.Shivanandan@eeca.govt.nz) Web: <http://www.eeca.govt.nz>  <http://www.legislation.govt.nz/regulation/public/2002/0009/latest/DLM108730.html?search=ts_act%40bill%40regulation%40deemedreg_energy+efficiency_resel_25_a&p=1#DLM108798>  <https://shop.standards.govt.nz/catalog/1359.5%3A2004%28AS%7CNZS%29/view>  <http://www.energyrating.gov.au/consultation/electric-motors-determination-exposure-draft> |