

Consultation on the Possible Content of the Revised Greenhouse and Energy Minimum Standards (GEMS) (External Power Supplies) Determination

Part I. Introduction

The *Greenhouse and Energy Minimum Standards (External Power Supplies) Determination 2012 (the current Determination)*, which references AS/NZS 4665.2:2005¹, only permits External Power Supplies (EPS) products to be marked at level III, IV and V efficiency levels (see **Attachment A**). The registration system maintained by the GEMS Regulator reflects the requirements in the current Determination such that 'Mark V' is the highest efficiency mark registrants can select.

In September 2013, the US Department of Energy released Version 3.0 of the International Efficiency Marking Protocol (IEMP) for external power supplies (see **Attachment B**), which set out the performance requirements for an EPS to be marked at a new efficiency level of 'VI'.

The Department of Industry proposes to revise the current Determination to permit the voluntary use of Mark VI on EPS products to be supplied in Australia, provided the product meets the performance requirements for Mark VI specified in the IEMP. Two provisions of the current Determination are proposed to be amended to give effect to the new Mark VI requirements in Australia. These changes relate to the GEMS labelling requirements and other GEMS requirements set out in sections 7 and 8 of the current Determination, respectively. No other substantial changes are proposed to the current Determination.

Parts II and III of this consultation paper set out sections 7 and 8 of the current Determination as well as the proposed wording for the revised sections which give effect to the Mark VI requirements. A brief explanation provides context and describes the changes made to these sections.

Submissions

Interested stakeholders are invited to provide a submission on the proposed revisions to sections 7 and 8 of the current Determination as to whether, in the stakeholders' view, the proposed changes meet the policy intention to allow products to be marked at the Mark VI level provided the product meet the performance requirements set out in the IEMP.

Submissions to this consultation paper should be emailed to the Energy Rating Team at energyrating@industry.gov.au. The closing date for receiving submissions is by **close of business (COB) Friday 26 September 2014**.

Any queries relating to the proposed changes to the current Determination should be directed to the energyrating@industry.gov.au mailbox in the first instance.

¹ AS/NZS4665.2:2005 includes all amendments up to and including AS/NZS4665.2:2005 Amdt 1 made on 27 February 2009.

Next Steps

After the submission closing date, the Department will review any submissions received and where appropriate, amend the proposed revised Determination.

The proposed revised Determination will then be submitted to the Minister for Industry, who holds the authority to make the replacement Determination. Subject to Ministerial approval, the Department anticipates that the replacement Determination may be in place around mid-late October 2014.

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Part II. GEMS labelling requirements

a. Current Determination:

7 GEMS labelling requirements

Labelling and communication requirements

- (1) For paragraphs 24 (1) (b), 26 (1) (a) and 26 (1) (b) of the Act, the specified labelling and communication requirements for products covered by this Determination are the requirements mentioned in clause 5.1 of AS/NZS 4665.2:2005 and Appendix A of AS/NZS 4665.1:2005 in relation to the energy performance mark to be shown on the product.

b. Proposed Revised Determination:

8 GEMS labelling requirements

Labelling and communication requirements

- (1) For paragraphs 24 (1) (b), 26 (1) (a) and (b) of the Act, the specified labelling and communication requirements for a product class mentioned in subsection 6 (2) are:
- (a) the requirements mentioned in Appendix A of AS/NZS 4665.1:2005 and section 5 of AS/NZS 4665.2:2005 (Energy Performance Mark) in relation to the energy performance mark to be shown on the product; or
 - (b) if a product exceeds the energy performance requirements for Mark V as mentioned in Appendix A of AS/NZS 4665.1:2005 then the product may:
 - (i) be labelled in accordance with the requirements of that standard for Mark V; or
 - (ii) be labelled in accordance with the requirements of the IEMP for Mark VI.

c. Explanation of revision

The addition of section 8 (b) will permit registrants to mark their products as a Mark VI product, provided the product meets the performance requirements for Mark VI in the IEMP.

The GEMS labelling requirements in the revised Determination are specified in Section 8 because a new section 3 has been added to revoke the *Greenhouse and Energy Minimum Standards (External Power Supplies) Determination 2012*.

Part III. Other GEMS requirements

a. Current Determination:

8 Other GEMS requirements

High efficiency level

- (1) For subsection 24 (2) and paragraph 27 (1) (a) of the Act, the specified requirements for products covered by this Determination to meet the high efficiency level are the requirements mentioned in this section.

Note: This provisions that follow specify the requirements for products to be designated as “high efficiency IV” or “high efficiency V” for the purposes of GEMS.

High efficiency level IV requirements (HE IV)

- (2) The specified requirements for high efficiency level IV (HE IV) are as follows:
 - (a) for product classes 1 to 2—the requirements mentioned in subclause 3.1.1 of AS/NZS 4665.2:2005 (No Load Power Consumption and Average Active Mode Efficiency); and
 - (b) for product classes 3 to 4—the requirements mentioned in subclause 3.1.2 of AS/NZS 4665.2:2005 (Average Active Mode Efficiency).

High efficiency level V requirements (HE V)

- (3) The specified requirements for high efficiency level V (HE V) are as follows:
 - (a) for product classes 1 to 2—the requirements mentioned in subclause 3.2.1 of AS/NZS 4665.2:2005 (No Load Power Consumption and Average Active Mode Efficiency); and
 - (b) for product classes 3 to 4—the requirements mentioned in subclause 3.2.2 of AS/NZS 4665.2:2005 (Average Active Mode Efficiency).
- (4) For subsection 24 (2) and paragraph 27 (1) (e) of the Act, the requirements for conducting tests are the same as those mentioned in subsection 6 (2) to (4) (inclusive) of this Determination.

b. Proposed Revised Determination:

9 Other GEMS requirements

High efficiency level

- (1) For subsection 24 (2) and paragraph 27 (1) (a) of the Act, the specified requirements for a product class mentioned in subsection 6 (2) to meet the high efficiency level are:
 - (a) the requirements mentioned in section 3 of AS/NZS 4665.2:2005 (High Efficiency Levels) for that product class; or
 - (b) the performance requirements for Mark VI mentioned in the IEMP.

c. Explanation of revision

The wording of subsections 8 (1) - (4) of the current Determination has been streamlined by referring to the specific provisions in the Standards rather than having those provisions duplicated in the Determination.

The new paragraph 9 (1) (b) will permit products that meet Mark VI requirements of the IEMP to be considered at the 'high efficiency level'.

The Other GEMS requirements in the revised Determination are specified in section 9 because a new section 3 has been added to revoke the *Greenhouse and Energy Minimum Standards (External Power Supplies) Determination 2012*.

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