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**Australian Government**  
**GEMS Regulator**

# Greenhouse and Energy Minimum Standards Check Testing Selection Criteria

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GREENHOUSE & ENERGY  
**MINIMUM  
STANDARDS  
REGULATOR**

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# 1 Purpose

The Greenhouse and Energy Minimum Standards (GEMS) Check Testing Selection Criteria are those considered by the GEMS Regulator when determining which models of GEMS products (models) will be selected for check testing.

# 2 Objectives

Models will be selected using an intelligence led, risk-based approach. The objectives of this approach are:

- to identify models with a higher-than-average risk of failure to meet GEMS level requirements relating to minimum energy performance standards (MEPS) or energy performance claims.
- to identify models with the greatest potential impact on energy use and greenhouse gas production; and,
- to check test as many of these models as possible.

# 3 Criteria

The Criteria used for the selection of GEMS products are equally weighted in its approach. Selection of models may be based on only one criterion, or a combination of criteria. To achieve these objectives, the GEMS Regulator will consider the following criteria:

## 3.1 Information and intelligence

The GEMS Regulator receives information and intelligence from a variety of sources, for example - internal departmental teams; product competitors; consumer groups; individuals; publicly available information (e-newsletters); and other regulated and industry bodies, that often relates to the energy efficiency performance or claims of particular models.

## 3.2 Brand compliance history

Brands with a check test history of non-compliance may be prioritised over brands with a history of compliance. Similarly, brands with no check test history may be selected for check testing until a history of compliance can be established.

## 3.3 Product type compliance history

Product types with a check test history of non-compliance may be prioritised over product types with a history of compliance, regardless of the brand or manufacturer.

### **3.4 Test laboratory history**

When models are registered under the GEMS Act, the application is generally supported by a laboratory test report confirming the energy efficiency level and other technical details. If check testing indicates that models, originally tested by a particular laboratory, consistently fail to meet GEMS level requirements, then other models tested by that laboratory may be selected for check testing.

Similarly, models originally tested by laboratories with no previous GEMS involvement may be selected until a history of accurate testing results can be established.

### **3.5 Energy use and greenhouse gas production**

Product types that consume more energy and produce more greenhouse gas than other product types may be prioritised for check testing.

### **3.6 High energy efficiency claims**

Models making high energy efficiency claims when compared to other similar products may be prioritised for check testing.

### **3.7 Newly regulated products**

Newly regulated GEMS products may be prioritised for check testing.

### **3.8 Coverage of GEMS products**

Whilst the selection of models for check testing is intelligence led and risk based, the GEMS Regulator will aim to ensure that all models are considered in the check testing program over time.

In this regard, models not recently check tested may be prioritised over more recently tested models

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