GUIDELINES FOR VOLUNTARY WATER EFFICIENT PRODUCTS LABELLING SCHEME

Revision 6

Industrial Development Division
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# Record of Changes and Updating

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GUIDELINES FOR VOLUNTARY WATER EFFICIENT PRODUCTS LABELLING SCHEME

1.0 INTRODUCTION

1.1 Water Efficient Products Labelling Scheme (hereinafter referred to as WEPLS) is one of the water conservation initiatives taken by Suruhanjaya Perkhidmatan Air Negara (SPAN) in promoting good practices of water demand management in Malaysia.

1.2 Products participating in WEPLS will incorporate a water efficiency label that serves to inform the consumers of its efficiency rating. Consumers will be able to take these factors into account when making their purchasing decision.

1.3 WEPLS adopts three (3) star rating labelling system. The more stars on the label mean that the product is more efficient and consumes lesser water, thus promoting water conservation.

1.4 WEPLS requires the water efficient products and the suppliers to be registered with SPAN. The products are to be labelled with water efficiency rating in accordance to the rating set in the Guidelines.

1.5 Participation of WEPLS by the suppliers is on a voluntary basis at this juncture in order to allow a lead time for market to transform towards more water efficient products. WEPLS is not intended to create any barrier to trade.

2.0 THE PURPOSE OF WEPLS

2.1 The main purpose of WEPLS is to encourage the suppliers in the development and marketing of water efficient products as part of the water conservation measures, as well as to raise the awareness of the public on the availability of water efficient products.
2.2 Water efficient labelling on the products will facilitate consumers to clearly identify a more water efficient product from the less efficient one at the point of purchase, therefore, consumers can make informed choices when making purchases.

2.3 In addition, implementation of WEPLS will also promote other benefits such as:

(i) conserve water by further reducing water consumption through use of water efficient product;
(ii) encourage a healthy water consuming habit among consumers;
(iii) motivate the introduction of cost-effective and water efficient technologies;
(iv) stimulate the adoption of efficient and effective water-use technologies; and
(v) use of water efficient product as part of contributions towards green environment.

3.0 INTERPRETATION OF TERMINOLOGY

Unless otherwise specified, the following interpretation shall apply throughout the Guidelines:

“Guidelines” refers to the “Guidelines for Voluntary Water Efficient Products Labelling Scheme”;

“Recognised Standard” refers to standards or technical specifications of products recognised by SPAN for use in the national water services industry. The standard can be a Malaysian standard or an international standard;

“Supplier” a supplier can be a manufacturer or an importer or a distributor or a retailer;

“Products” refer to products covered under WEPLS as listed in section 4;

“Basin Tap” refers to tap that is designed with intended use is to flow water into a basin or a bowl that is used primarily for washing the hands and face;
“Shower Tap” refers to tap that is designed with intended use is to flow water for bathing purposes;

“Sink Tap” refers to tap that is designed with intended use is to flow water into a sink in a kitchen;

“Ablution Tap” refers to tap that is designed with intended use is to flow water for washing part of the body before a Muslim perform his/her prayer;

“Mixer” refers to tap with a device to mix cold and hot water;

“Washing Machine” refers to automatic clothes washing machine powered by electricity to wash laundry with the utilization of water and detergent

“Showerhead” refers to a device through which water is passed to form spray for bathing purposes

“Water Consumption” refers to the volume of water consumed by products to perform its function. Water consumption for products is computed according to methods prescribed in Annex II;

“Water Efficient Product (WEP)” means a product that utilizes the lowest allowable amount of water discharge without reducing its ability to perform its function satisfactorily in accordance with product standard;

“Water Efficiency Label” refers to label that has been established for the purpose to identify a water efficient product that has complied with WEPLS requirements;

“Water Efficiency Rating” refers to the grades of efficiency according to water consumption as tabulated in Annex IV.
4.0 PRODUCTS COVERED

4.1 Products that are covered under WEPLS are:

(a) **Water taps** (either as a single tap, combination tap or mixer) that are produced with intended use as:
   - basin taps
   - sink taps
   - shower taps
   - ablution taps

(b) **Water closet (WC)** that is supplied as:
   - one-piece WC pan
   - a closed coupled WC pan
   - WC pan and cistern
   - WC pan and flush valve

(c) **Urinal equipment** that is supplied as a complete system.

(d) **Washing machine** that is supplied as:
   - Front load washer
   - Top load washer

(e) **Showerhead** which may include a fixed or pivot arm, a flexible hose, tap top assemblies, or other components
5.0 REGISTRATION

5.1 Eligibility

5.1.1 WEPLS is opened to companies who manufacture, import, distribute or sell sanitary products, water fitting and washing machines in Malaysia.

5.2 Pre-requisites

5.2.1 Except washing machines and showerheads, all products shall:

- have complied with all the materials and performance standards required for its use as specified in the product standard in Annex 1; and

- the supplier and the products have been listed with SPAN under the “SPAN Listing of Suppliers”.

5.3 Testing of Product Water Consumption

5.3.1 Products to be registered under the WEPLS shall be tested for their water consumptions according to methods and procedures as prescribed in Annex II.

5.4 Testing Laboratory

5.4.1 Test of water consumption is to be carried out by an independent testing laboratory recognised by SPAN. The laboratory can be:

(i) a local testing laboratory which has been accredited under the Skim Akreditasi Makmal Malaysia (SAMM) for the test method stipulated; or

(ii) a foreign laboratory which has been accredited by partners under the Department of Standard Malaysia’s Mutual Recognition Arrangement (MRA) for the test method stipulated.
5.5 Test Report

5.5.1 Test report shall contain all information as prescribed in Annex II.

5.6 Quality Management System (QMS)

5.6.1 Certificate of QMS to be submitted with the application if the product is manufactured under a production system operating according to a recognised international quality management system.

5.7 Application for Registration

5.7.1 Application for registration of a water efficient product shall be submitted to SPAN in the application form set out in Annex III. The form can be downloaded from SPAN website.

5.7.2 The following information shall be provided and submitted with the application form:

(i) Company name, address and company registration number
(ii) SPAN supplier listing number
(iii) Manufacturer’s details
(iv) Showroom/sales location
(v) Parties who will be responsible for marking and affixing the label
(vi) Information of the products to be registered under the WEPLS
(vii) Test report that shows that products are tested according to method prescribed in Annex II and meets the water consumption requirements
(viii) Documentary proof if the production system for the product is operating according to a recognised international quality management system.
5.8 **Service Charge**

5.8.1 Every application must be accompanied with payment for service charges as follows:

i. RM 50/model for first 50 models

ii. RM 30/model for next 50 models up to 100 models

iii. RM 20/model after exceeding 100 models

5.8.2 Payment shall be made to SURUHANJAYA PERKHIDMATAN AIR NEGARA using Company Cheque/Bank Draft/Wang Pos Malaysia. Cash is not accepted.

5.9 **Verification**

5.9.1 On receipt of an application, SPAN will verify whether the product meets the water consumption requirements based on the submitted test report and will rate the products efficiency accordingly.

5.10 **Water Efficiency Rating**

5.10.1 The water efficiency of a product is rated to three different grades according to the water consumption as tabulated in Table 1 to Table 8 as listed in Annex IV.

5.11 **Notification**

5.11.1 Applicant will be notified of the result within 14 working days upon receipt of all necessary information requested. A confirmation letter stating the efficiency level, the star rating and relevant information to be displayed on the WEPLS label will be issued to the successful applicant upon receipt of service charges.
5.12 Validity

5.12.1 Registration of WEPLS is valid for three (3) years subject to renewal of listing of the supplier and the products under the “SPAN Listing of Suppliers”. A fresh application shall be submitted to SPAN not later than 1 month from the expiry date in order to maintain the products in the WEPLS listing.

5.13 Listing of Water Efficient Products

5.13.1 The product and the supplier that have been approved for WEPLS will be listed in a registry maintain by SPAN. The registration record will also be made available at the SPAN website for public information.

6.0 WATER EFFICIENCY LABEL

6.1 Labelling

6.1.1 An approved Water Efficient Product (WEP) shall be labelled with the approved water efficiency label. SPAN will provide the soft copy of standard format for the water efficiency label and the supplier is required to print the label and affix the label on the products or its packaging.

6.2 Label Design and Version

6.2.1 There are two versions of label, i.e. full and simplified version as shown in Annex V. The full version label shall be affixed on product packing at a prominent location. The simplified version label is designed to facilitate the supplier to affix the label on the products.

6.3 Colour Scheme and Dimension

6.3.1 The label shall be printed on white colour self adhesive sheet material and should have dimension as shown in Annex V.
6.4 Paper Quality

6.4.1 The paper used for the label should be durable and possess good wear and tear characteristic. It should stick tightly on the products or its packing.

6.5 Information on the Label

6.5.1 Information to appear on the label shall be in accordance to the label format as indicated in Annex V and shall state the information as listed on the confirmation letter issued by SPAN.

6.5.2 Information on the label consists:

(a) Full version:

(i) The star rating
(ii) WEPLS Registration number
(iii) Brand
(iv) Model
(v) Water consumption rate

(b) The simplified version shall contain the WEPLS registration number

6.6 Guidance for Label Use

6.6.1 The label shall be fixed to each product model displayed for sale or supplied. The label shall be fixed such that it is prominent for consumers to view and compare with ease.

6.6.2 If products are supplied within packaging, the label shall be in full version and be affixed on the packaging such that it is clearly visible on the front portion of the package when it is hung from a rack or placed on a shelf for supply purposes.

6.6.3 If products are displayed without packaging, a tag in the simplified version shall be fixed adjacent to the product such that the juxtaposition of the label and product indicates a clear and obvious connection.
6.6.4 The marking and information on the label shall not be removed, defaced or obscured in any manner that may confuse or mislead the consumer.

6.6.5 When label is used in advertisement and publicity materials, the following requirements shall be complied:

(i) The label for each registered model shall be separately displayed if there is more than one model being advertised or promoted.

(ii) The label shall appear next to products so that it is easily identified with the model featured.

(iii) All information on the label shall be clearly visible and legible. Where it is impractical for the label to be of a size sufficient for any of the information on the label to be clearly visible and legible, the following relevant information shall be extracted and printed clearly and legibly alongside the label: brand, model, star rating as well as wordings (i.e “highly efficient” or “most efficient”), water consumption rate and registration number.

(iv) Statement connoting that the product is “SPAN tested” or “SPAN certified” or “SPAN approved” are prohibited.

7.0 OBLIGATIONS OF THE WEPLS SUPPLIER

7.1 General Obligations

7.1.1 Once approved by SPAN, the supplier is responsible to comply with the following general obligations to ensure that:

(i) products are labelled according to water efficiency label as described in section 6; and

(ii) only registered brands or models are labelled.
7.2 Notification of Change in Particulars

7.2.1 The supplier shall notify SPAN of any changes to any of the particulars (e.g. change in company name, etc.) provided to SPAN during the application of WEPLS. The notification shall be made not less than 14 working days after the changes.

7.3 Notification of Modification to Registered Product

7.3.1 Where any registered product is modified in any way, the supplier shall do the following:

(i) notify SPAN with a detailed description of modifications; and

(ii) where the modification alters the water consumption of the registered model, retest the model and submit the new test report to SPAN

7.3.2 SPAN may revise the water efficiency rating of the registered model based on the submitted information and test reports.

7.4 Notification of Change of Distributor

7.4.1 When the distributorship of an existing registered product is taken over by the newly appointed supplier, the new supplier who takes over the distributorship shall notify SPAN with an undertaking letter undertaking all declaration made by the existing supplier for the registered models.

8.0 ENFORCEMENT

8.1 Purpose

8.1.1 To uphold the credibility of WEPLS and to maintain continuous confidence of the consumer, monitoring and inspection on the use of labels on products registered under WEPLS will be conducted by SPAN.
8.2 Inspection

8.2.1 Inspection will be carried out by SPAN on registered products in the following mode:

(i) Random inspection based on registration record

The scope of inspection includes:

(a) whether the label being displayed or affixed is in accordance with the Guidelines for water efficiency label as stated in section 6
(b) whether the data shown on the label tally with the approval by SPAN
(c) whether the label is used by non-registered supplier or fixed on non-registered products

(ii) Ad-hoc inspection in response to complaints

The item to be inspected in such cases will depend upon the nature of complaint.

8.3 Action to be taken for Non-Compliance

8.3.1 WEPLS supplier will be requested to take immediate remedial action and report the follow-up action taken if non-compliance is found on their registered product such as incorrect information shown on the label.

8.3.2 If non-compliance is confirmed and no remedial action is taken by the supplier within the time prescribed by SPAN, registration of products and the supplier under WEPLS will be terminated.

8.3.3 Once terminated, the supplier shall remove all labels from the products and its packaging within four (4) weeks from the termination notice.

8.3.4 Product that has been terminated will be delisted from the record. A list of delisted suppliers and their products will be displayed at SPAN website for public information.
8.4 Legal Provision

8.4.1 WEPLS is a voluntary scheme. However, suppliers who abuse the scheme by giving false information on the label may constitute an offence under the Malaysian Trade Description Act 2011 (Act 730), Consumer Protection Act 1999 (Act 566) and the Water Services Industry Act 2006 (Act 655).

9.0 DISCLAIMER

9.1 WEPLS is aimed at promoting and raising awareness on the availability of water efficient products. SPAN disclaims all responsibility and liability of any kind whatsoever for any loss, injury, liability, claim or damage of any kind resulting from and arising of, or any way related to the misuse or counterfeiting of the label under the scheme.

10.0 ENQUIRIES

10.1 All enquiries on WEPLS shall be addressed to SPAN at the following address:

The Senior Director
Research, Development and Innovation Division
National Water Services Commission
Ground floor, Prima Avenue 8
Jalan Teknokrat 6,
Cyberjaya, Selangor.

Phone: 03-83179333/334; Fax: 03-83179469
Email: WEPLS@span.gov.my
ANNEXES

Annex I Standards for Certification of Sanitary Products
Annex II Determination of Water Consumption for Products
Annex III Application Form for Registration of Water Efficient Products Labelling Scheme
Annex IV Water Efficiency Rating
Annex V Water Efficiency Label
ANNEX I

Standards for Certification of Sanitary Products

(a) Water Taps

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<td>Specification for Draw Off Taps with Metal Bodies for Water Service</td>
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<td>AS / NZS 3718 : 2005</td>
<td>Water Supply – Tapware</td>
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<td><strong>Mixer</strong></td>
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(b) Water Closet

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<td>MS 1522 : 2011</td>
<td>Vitreous China Water Closet Pans – Specification (Third Revision)</td>
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(c) Urinals

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ANNEX II

Determination of Water Consumption for Products

A. Water Taps and Mixers

A1 Water Consumption

A1.1 Water consumption for water taps and mixers is taken to be the nominal flow rate of taps or mixers computed at the mean of the average flow rates obtain at the following dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa.

A2 Testing Requirements and Methods

A2.1 Test shall be conducted in accordance with the procedures described in the following sections as required in the respective standards:

(i) Section 10 of BS EN 200: 2008 for basin taps, sink taps, shower taps and ablution taps.

(ii) Section 10 of BS EN 817: 2008 for mechanical basin/ sink/ shower mixers with a single or separate control device for adjusting flow rate and temperature

(iii) Section 10 of BS EN 1287: 1999 for thermostatic mixers.

(iv) Any standard as deem comparable to the standard above.

A3 Flow Performance Requirements

A3.1 The following test requirements shall be followed in measuring and computing flow rates and nominal flow rates:

(i) The flow rates shall be measured in accordance with the standards stipulated above at each of the dynamic flow pressures of 50 kPa, 100 kPa, 150 kPa, 200 kPa, 250 kPa, 300kPa, 350 kPa, 400 kPa, 450 kPa, 500kPa and 550 kPa.
(ii) The nominal flow rate shall be the mean of the average flow rates obtain at the following dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa.

(iii) The highest average flow rate determined in accordance with the standards stipulated above at each of the dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa shall not exceed the upper limit of the flow range for the applicable rating for the determined nominal flow rate by more than 0.5 litres/min.

(iv) The lowest average flow rate determined in accordance with the standards stipulated above at each of the dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa shall not exceed the lower limit of the flow range for the applicable rating for the determined nominal flow rate by more than 0.5 litres/min.

(v) The differences between the highest and lowest average flow rate determined in accordance with the standards stipulated above at each dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa shall not exceed 2.0 litres/min.

(vi) The recording of the average flow rates at 50 kPa, 200 kPa, 300 kPa, 400 kPa, 450 kPa and 550 kPa are for data collection purposes only.

(vii) The water consumption of a tap shall be taken to be the nominal flow rate determined in (ii).

(viii) The tap shall also comply with the requirements specified in (iii), (iv) and (v) to be qualified for WEPLS.
A.4 Test Report

A4.1 The following shall be reported in the test report:

- Supplier, brand name, model name and model number of the product and description of other components tested with the sample
- Photos showing tested product
- The average flow rate through the test sample, at the dynamic flow pressure at 50 kPa, 100 kPa, 150 kPa, 200 kPa, 250 kPa, 300 kPa, 350 kPa, 400 kPa, 450 kPa, 500 kPa and 550 kPa
- The nominal flow rate at 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
- The highest average flow rate taken at 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
- The lowest average flow rate taken at 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
- The difference between the highest and lowest average flow rate 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
B. Water Closet (WC)

B1 Water Consumption

B1.1 Water consumption of water closet is taken to be the nominal flush volume that has successfully meet the flushing performance requirements in section B3.

B2 Testing Requirements and Method

B2.1 Flushing test shall be conducted for the flush volume in accordance with the procedures described in:

(i) Clause 4.8 of MS 1522:2011 Vitreous China Water Closet Pans – Specification (Third Revision) (or any subsequent revision); or

(ii) Product that is tested according to clause 7.1, and 7.2 of SS 574 : Part 1 : 2012 (or any subsequent revision) is also acceptable, with condition that the date of the test report shall not be more than 5 years from the date of application for SPAN WEPLS.

B3 Flushing Performance Requirements

B3.1 The WC shall pass the flushing test as required for clause 4.8 of MS 1522:2011

B3.2 Product that is tested according to SS 574 : Part 1 : 2012 (or any subsequent revision), the flushing performance shall past all the requirements stated in the standard.

B4 Test Report

B4.1 The following shall be reported in the test report:

- Supplier, brand name, model name and model number of the WC and flushing system used
- Photos showing tested product
- Flush volume
- If flush valve is used, state the flush valve manufacturer, model, pressure group and type of flush valve
C. Urinal Equipment

C1 Water Consumption

C1.1 Water consumption of urinals is taken to be the actual volume of water discharge per flush that has successfully meet the flushing performance requirements in section C3.

C2 Testing Requirements & Method

C2.1 Test shall be conducted based on the flush volume declared by the supplier using the procedures described in MS 1799:2008 as follows:

(i) Annex A for slab and stall urinals

(ii) Annex B for wall-hung urinals

C3 Flushing Test Performance

C3.1 The Urinal shall pass the flushing test in clause 4.4.1 and 4.4.2 of MS 1799:2008 for slab urinals and wall hung urinals, respectively.

C4 Test Report

C4.1 The following shall be reported in the test report:

- Supplier, brand name, model name and type of urinal
- The flushing mechanism
- Actual volume of water discharge per flush
- The area of sawdust remaining within the test area
- Photos showing tested product
D. Washing Machine

D1 Water Consumption

D1.1 Water consumption of the washing machine is taken to be actual volume of water used for a complete automatic cold or hot cycle for washing, rinsing and spinning of the test load.

D2 Testing Requirements & Method

D2.1 Test of water consumption for washing machines shall be conducted in accordance with the procedures described in:

(i) Clause 8.6 of MS IEC 60456:2012 Clothes Washing Machines for Household Use – Methods for Measuring the Performance; or

(ii) Clause 8.6 of IEC 60456:2010 Clothes Washing Machines for Household Use – Methods for Measuring the Performance

Excluding the performance test procedures specified in 8.2 (except for water inlet pressure rating as per clause 5.2.2.4) or any equivalent standards.

D2.2 The programme selected on the test washing machine and any associated settings shall be in accordance with the manufacturer’s instructions for the program recommended in the product literature for a normally soiled load at rated load capacity.

D3 Evaluation of Water Consumption

D3.1 The water consumption of washing machine shall be measured in accordance to Clause 9.5 of the above standards.
D4 Test Report

D4.1 The following shall be reported in the test report:

- Supplier, brand name, model name, model number and rated wash capacity of the washing machine
- Photos showing tested product
- Indication of front load or top load
- Selected program with any associated settings
- Wash load tested in kg
- Volume of water consumption in litres
- Water efficiency in litre/kg load
E. Showerhead

E1 Water Consumption

Water consumption for showerhead is taken to be the nominal flow rate of showerhead computed at the mean of the average flow rates obtained at the following dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa.

E2 Testing Requirements & Method

E2.1 Test shall be conducted in accordance with the procedures described in Appendix B of AS/NZS 3662: 2005 Performance of Showers for Bathing.

E3 Flow Performance Requirements

E3.1 The following test requirements shall be followed in measuring and computing flow rates and nominal flow rates:

(i) The flow rates shall be measured in accordance with the standards stipulated above at each of the dynamic flow pressures of 50 kPa, 100 kPa, 150 kPa, 200 kPa, 250 kPa, 300 kPa, 350 kPa, 400 kPa, 450 kPa, 500 kPa and 550 kPa.

(ii) The nominal flow rate shall be the mean of the average flow rates obtained at the following dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa.

(iii) The highest average flow rate determined in accordance with the standards stipulated above at each of the dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa shall not exceed the upper limit of the flow range for the applicable rating for the determined nominal flow rate by more than 0.5 litres/min.

(iv) The lowest average flow rate determined in accordance with the standards stipulated above at each of the dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa shall not exceed the lower limit of the flow range for the applicable rating for the determined nominal flow rate by more than 0.5 litres/min.
(v) The differences between the highest and lowest average flow rate determined in accordance with the standards stipulated above at each dynamic flow pressures of 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa shall not exceed 2.0 litres/min.

(vi) The recording of the average flow rates at 50 kPa, 200 kPa, 300 kPa, 400 kPa, 450 kPa and 550 kPa are for data collection purposes only.

(vii) The water consumption of a showerhead shall be taken to be the nominal flow rate determined in (ii).

(viii) The showerhead shall also comply with the requirements specified in (iii), (iv) and (v) to be qualified for WEPLS.

E4 Test Report

E4.1 The following shall be reported in the test report:
- Supplier, brand name, model name and model number of the product and description of other components tested with the sample
- Photos showing tested product
- The average flow rate through the test sample, at the dynamic flow pressure at 50 kPa, 100 kPa, 150 kPa, 200 kPa, 250 kPa, 300 kPa, 350 kPa, 400 kPa, 450 kPa, 500 kPa and 550 kPa
- The nominal flow rate at 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
- The highest average flow rate taken at 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
- The lowest average flow rate taken at 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
- The difference between the highest and lowest average flow rate 100 kPa, 150 kPa, 250 kPa, 350 kPa and 500 kPa
ANNEX III

Application Form for Registration of Water Efficient Products Labelling Scheme
PERMOHONAN UNTUK PENDAFTARAN SKIM PERLABELAN PRODUK CEKAP AIR
Application for Registration of Water Efficient Products Labelling Scheme

Arahan: Sila isi maklumat pada ruang-ruang yang telah disediakan
(Please fill in the information in the spaces provided)

A. BUTIR PEMOHON (Applicant Details)

1. Nama dan Alamat Pemohon (applicant name and address)


Tel: __________________ Faks: __________________ e-mail/website: __________________

2. Nombor Pendaftaran Syarikat (company registration number):

3. Nombor Penyenaraian SPAN (SPAN listing number):

4. Pemohon adalah (applicant is a):
   (sila tanda (please tick) (/))

   - Pengilang (manufacturer)
   - Pengimport (importer)
   - Pengedar/Penjual (distributor/retailer)

5. Pihak yang bertanggungjawab untuk perlabelan pada produk: Pemohon / pihak lain: __________________
   (party responsible for marking and affixing the label: applicant/other party)

6. Orang yang dilantik oleh syarikat untuk menguruskan permoohan ini (the person appointed by the company to
   incharge of this application)

   Nama (name): __________________ Jawatan (designation): __________________
   Tel: __________________ Faks: __________________ e-mail: __________________

B. BUTIR PENGILANG (Manufacturer Details)

Nama dan alamat pengilang – sertakan lampiran berasingan sekiranya melibatkan lebih dari satu pengilang.
(Manufacturer name and address, attach a separate list if it involves more than one factory)


Tel: __________________ Faks: __________________ e-mail/website: __________________
C. BUTIR LOKASI RUANG PAMERAN UTAMA PRODUK (Major Showroom Location Details)

Nama dan alamat tempat pameran/jualan produk – serta lampiran berasingan sekiranya terdapat lebih dari satu lokasi (Name and address of the showroom/sale location - attach a separate list if more than one location)

Tel: __________________ Faks: ______________ e-mail/website: __________________

D. BUTIR PRODUK (Product Details)

Sila tandakan (/) pada perkara 1 dan serta lampiran berasingan sekiranya permohonan adalah untuk lebih dari satu brand atau model.
(Please tick (/) on item 1 and attach separate list if the application is for more than one brand or model)

1. Produk (product/s):
   - Tap / Mixer
   - Water Closet System
   - Urinal Equipment
   - Washing Machine
   - Showerhead

2. Brand: __________________ Model: __________________

E. DOKUMEN YANG PERLU DILAMPIRKAN (Document to be Attached)

1. Laporan ujian mengikut format yang ditetapkan di dalam WEPLS Guidelines (Test report according to format prescribed in WEPLS Guidelines)

2. Dokumen menunjukkan bahawa produk telah dikeluarkan mengikut standard pengurusan antarabangsa (Documentary proof that the production system for the product is operating according to a recognised international quality management system).

   _______ Jika ada

F. PERAKUAN PERUNDANGAN PEMOHON ( Applicant Legal Statement)

Saya dengan ini mengesahkan bahawa semua maklumat yang diberikan adalah benar dan bertanggungjawab ke atas semua maklumat yang disediakan.

I hereby certify that the information given is true and that I accept full responsibility on the information provided.

______________________________
Name:
I/C No: ___________________ (cop syarikat)

G. PERAKUAN PENERIMAAN (Acceptance Acknowledgement)

Bahagian ini diisi oleh SPAN (this section is to be filled by SPAN)

1. Permohonan telah diterima pada ______________ dan didapati permohonan adalah:
   - Lengkap __________________
   - Tidak Lengkap ______________

ANNEX IV

Water Efficiency Rating

Water efficiency rating for products is determined in accordance to Table 1 to Table 8

Table 1: Conversion of water consumption to water efficiency rating for basin taps and mixers

<table>
<thead>
<tr>
<th>Water Consumption nominal flow rates ( f ) ( (l/min) )</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 &lt; ( f ) ≤ 8.0</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>4.0 &lt; ( f ) ≤ 6.0</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>1.5 &lt; ( f ) ≤ 4.0</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Note:

1. If tap equipment has an effective automatic shut-off device, its water efficiency rating is increased to the next higher rating. Tap equipment with an automatic shut-off capability are those that:

   a) For hand basins:

      (i) Require user input to turn the flow of water on but automatically turn the flow off after a maximum time of 12 seconds (e.g. by use of a spring-loaded mechanism, a timer, a volume measuring device or electronically); or

      (ii) Require user input to turn the flow of water on (e.g. a sensor), but turn the water off automatically within 2 seconds after the end of the user activity.
Table 2: Conversion of water consumption to water efficiency rating for sink taps and mixers

<table>
<thead>
<tr>
<th>Water Consumption nominal flow rates (f) (l/min)</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 &lt; f ≤ 8.0</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>4.0 &lt; f ≤ 6.0</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>2.5 &lt; f ≤ 4.0</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Table 3: Conversion of water consumption to water efficiency rating for shower taps and mixers

<table>
<thead>
<tr>
<th>Water Consumption nominal flow rates (f) (l/min)</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0 &lt; f ≤ 10.0</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>6.0 &lt; f ≤ 8.0</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>4.5 &lt; f ≤ 6.0</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Table 4: Conversion of water consumption to water efficiency rating for ablution taps and mixers

<table>
<thead>
<tr>
<th>Water Consumption nominal flow rates (f) (l/min)</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.0 &lt; f ≤ 8.0</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>4.0 &lt; f ≤ 6.0</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>1.5 &lt; f ≤ 4.0</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>
**Table 5: Conversion of water consumption to water efficiency rating for water closet**

<table>
<thead>
<tr>
<th>Water Consumption</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flush volume per flush (£v) (litre/flush)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full Flush £v ≤ 6.0 Reduced Flush £v ≤ 3.0</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>Full Flush £v ≤ 5.0 Reduced Flush £v ≤ 3.0</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>Full Flush £v ≤ 4.0 Reduced Flush £v ≤ 3.0</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Note:

i. If a WC pan, WC cistern or flush valve is supplied separately, its registration and rating shall be based on the performance of a WC pan in combination with the flushing cistern or flush valve (or other flushing control mechanism) nominated by the applicant for the testing and registration.
Table 6: Conversion of water consumption to water efficiency rating for urinal equipment

<table>
<thead>
<tr>
<th>Water Consumption</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1.5 &lt; \frac{f_v}{v} \leq 2.5$</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>$1.0 &lt; \frac{f_v}{v} \leq 1.5$</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>$\frac{f_v}{v} \leq 1.0$</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Note:
If a urinal or a urinal flush valve is supplied separately, its registration and rating shall be based on the performance of a combination of a urinal and flush valve (or other flushing control mechanism) nominated by the applicant for registration.

Table 7: Conversion of water consumption to water efficiency rating for washing machine

<table>
<thead>
<tr>
<th>Water Consumption</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>$12 &lt; v \leq 15$</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>$9 &lt; v \leq 12$</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>$\leq 9$</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>

Note:
Automatic washing machines are defined as machines where the load is fully treated by the machine without the need for user intervention at any point during the programme prior to its completion.
Table 8: Conversion of water consumption to water efficiency rating for showerhead

<table>
<thead>
<tr>
<th>Water Consumption nominal flow rate ((f)) (l/min)</th>
<th>Water Efficiency Grade</th>
<th>Rating</th>
<th>Symbol on Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.0 &lt; (f) ≤ 10.0</td>
<td>Efficient</td>
<td>1★</td>
<td>★</td>
</tr>
<tr>
<td>6.0 &lt; (f) ≤ 8.0</td>
<td>Highly Efficient</td>
<td>2★</td>
<td>★★</td>
</tr>
<tr>
<td>4.5 &lt; (f) ≤ 6.0</td>
<td>Most Efficient</td>
<td>3★</td>
<td>★★★</td>
</tr>
</tbody>
</table>
ANNEX V

Water Efficiency Label

Full Version
Size 15.5 cm x 9.5 cm
Water Efficiency Label

Simplified Version
10.0 cm X 6.0 cm

Simplified Version
5.0 cm X 2.5 cm