SRI LANKA STANDARDS INSTITUTION

Labelling of Minimum Energy Performance for Computers	
GUIDELINES AND PROCEDURES	Doc. GL/ES/MEPS/02
Issue No.: 01	Date of Issue : 2019-03-01 · Effective Date: 2019-03-01	Page: 01 of 03

1. INTRODUCTION:

The Sri Lanka Standards Institution (SLSI) the national standards body of Sri Lanka operates Minimum Energy Performance scheme based on Minimum Energy Performance Standard (MEPS) for Computers.

SLSI offers this scheme to the manufacturers and importers of Computers to join this voluntary Minimum Energy Performance Scheme. Sri Lanka Standards Institution operates this scheme jointly with Sri Lanka Sustainable Energy Authority (SLSEA). Minimum Energy Performance labels will be granted by the SLSI for each model, brand and type of Computers which conforms to Typical Energy Consumption (TEC) in accordance with **SLS 1580: Sri Lanka Standard specification for Minimum Energy Performance for Computers.**

2. APPLICABLE STANDARD:

a) SLS 1580 Sri Lanka Standard specification for Minimum Energy Performance Standard (MEPS) for Computers.

3. APPLICATION:

3.1. The brand owner or authorised personal of Computers shall make an application for each model, brand and type of the Computer. If the same model, brand and type is manufactured in factories at different locations, separate applications shall be made in respect of each location.

3.2. Duly completed application forms shall be forwarded to the Director (Engineering Standardization), SLSI along with necessary documents.

3.3. Photo or an actual drawing / sketch of each model, brand and type shall be attached along with the application.

4. FEE INVOLVED:

4.1. Application & Processing fee: Application and processing fee shall be made by the applicant for each model separately as given in the fee structure (GL/ES/FS/01).

4.2. Testing fee: Testing charges shall be borne by the applicant as per the laboratory concern.

Prepared by:	Reviewed by :	Approved by :

5. SAMPLING AND TESTING:

5.1. Sampling: Samples shall be drawn from each model randomly comprising 2 specimens from minimum 25 populations.

5.1.1. If Computers manufactured locally, samples shall be drawn by the SLSI officers.

5.1.2. If Computers imported, samples shall be drawn randomly from the consignment imported.

5.1.3. If importer obtain test reports from an acceptable accredited laboratory, samples shall be drawn by the laboratory personal randomly from a lot manufactured for export and it shall be specified clearly in the test report.

Notes:
1. *The importer shall submit a copy of an accreditation certification and scope of accreditation.*
2. *The accreditation should be obtained for the test methods given in* **SLS 1580** *or equivalent.*

5.2 Testing: Samples shall be tested in accordance with the test methods given in **SLS 1580.**

5.2.1 Power consumption (in Watts) of the computer shall be measured at different Power modes (active mode, off mode, sleep mode, idle mode, and short idle mode) and calculate the Estimated Typical Energy Consumption (TEC$_{estimate}$) value from related equation under type of computer.

6. ESTIMATED TYPICAL ENERGY CONSUMPTION (TEC$_{ESTIMATE}$) VALUE AND MAXIMUM TYPICAL ENERGY CONSUMPTION (TEC$_{ESTIMATE -MAX}$) & MEPS:

Estimated Typical Energy Consumption (TEC$_{estimate}$) value is measured and calculated in accordance to given formula under type of computer classification. Maximum Estimated Typical Energy Consumption (TEC$_{estimate -max}$) value of the computer is also calculated in accordance with the given formula under type of computer classification of **SLS 1580**. TEC$_{estimate}$ shall be lower than TEC$_{estimate -max}$ for qualifying for MEPS certification.

7. TEST REPORT:

Test report issued for a particular model from a Testing Authority identified by the SLSI / SLSEA or any international accredited laboratory accepted by SLSI should be used for calculation TEC values. The test report should certify that the sampling and testing are in accordance with **SLS 1530** and should provide the test results for the below mentioned parameters in order to calculate the TEC values of particular model.

a) Power consumption (in Watts) at active mode, off mode, sleep mode, idle mode, and short idle mode of computer

Note: *If the test report obtained from an accredited laboratory, lot size and sampling method shall be specified in the report.*

SRI LANKA STANDARDS INSTITUTION

Labelling of Minimum Energy Performance for Computers

GUIDELINES AND PROCEDURES

Doc. GL/ES/MEPS/02

Issue No.: 01	Date of Issue : 2019-03-01	Page: 03 of 03
	Effective Date: 2019-03-01	

8. CERTIFICATION:

The Director General, SLSI or his/her nomine shall issue certificate to use Minimum Energy Performance for a model, brand and type of Computer if $TEC_{estimate}$ shall be lower than $TEC_{estimate\text{-}max}$ subject to the following conditions.

a) Certification fee shall be settled in advance before issuing the certificate.

b) The label shall be stick or print on the main parts of the computer.

c) The applicant shall inform to the SLSI for renewal at least 6 months before of the expiry of certificate.

d) The details of certificate holders shall be forwarded to SLSEA by SLSI to draw market samples randomly for checking of compliance.

e) Detailed information, with respect to the number of labels, serial numbers of the Computers on which the labels are used shall be made available to SLSEA, to prevent misuse of labels by any party.

f) The applicant shall enter in to an agreement with the SLSI

9. LABELS:

9.1. The label shall have the dimensions, format and all the information as prescribed in the standard. Maximum allowable tolerance limit for label sizing is 5%.

9.2. Printing colours shall be in accordance with **clause 10.5 of SLS 1580**

10. SURVEILLANCE INSPECTION:

10.1. SLSEA shall carry out surveillance inspection at least one per year.

10.2. In addition to the above, additional sampling and inspection will be carried out, if any complaint received on performance and malfunction. Such inspections will be carried out under close supervision of an operational committee formed by the senior management of SLSEA and SLSI.

/---------------------------/