

TCO Certified Edge Notebooks 1.0



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Introduction

TCO Certified Edge is a first of its kind certification program to offer an award to those electronics brands that offer truly cutting edge solutions to the market in the areas of environment and usability. TCO Certified Edge is the way TCO Development, together with industry, recognizes and promotes the very best products on the market; products that are at the cutting edge of new technologies; that offer distinct benefits for the user and reduced impact on the environment. TCO Certified Edge is a natural step in further pushing the boundaries of ICT design in an environmental and user-centred direction.

Quoting parts of these criteria (e.g. in procurements) is allowed, provided the source is properly disclosed and the extent of the quotation is consistent with sound copyright practice.

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TCO Development

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A Criteria

To comply with TCO Certified Edge Notebooks it is enough to fulfil *one* cutting edge criteria. To apply for a TCO Certified Edge certificate it is also necessary that the product is certified according to the regular TCO Certified program.

A.1. High Brightness / Daylight Readable

Background

A Display shall retain its readability and high picture quality even when used in bright outdoor environments. Readability in daylight conditions depends on the differences between the luminance and illumination of the screen. The luminance is the screen's brightness and is the amount of light energy coming out of the display. Illumination is the amount of ambient light shining onto the screen. Daylight readability depends on how well the display can counteract the diminishing affects of ambient light.

Definitions

Luminance is a measure of the display's brightness and is a major determinant of perceived picture quality

Daylight readability: The display shall be bright enough to remain readable under indirect sunlight conditions

Mandate:

At the test *luminance* setting of ≥ 500 cd/m² the Notebook display shall fulfil the Visual ergonomic criteria specified under sections A.2.2, A.2.3 and A.2.5 in the most recent TCO criteria document for Notebooks

The following information shall be submitted:

A copy of a test report and a verification report from a test laboratory accepted by TCO Development.

B Clarifications

Below are general test clarifications to the criterion described

B.1. High Brightness / Daylight Readable

B.1.1 Test method

- The notebook display shall be tested using the same visual ergonomics set up as described in the latest TCO Certified Notebook criteria document, with the exception that the test luminance shall be no less than 500 cd/m²
- Only the criteria under sections A.2.2, A.2.3 and A.2.5 in the latest Notebook criteria document shall be tested
- A test report and verification shall be sent together with the Edge application to TCO Development