



What is TCO 5.0?

TCO Displays 5.0 is the fifth and the latest TCO criteria document for displays. In comparison with the earlier TCO criteria documents for displays, the TCO Displays 5.0 has both more and tougher requirements on environmental aspects. Also the requirements on visual ergonomics have been expanded to cover modern displays. This criteria document represents one of the toughest certifications for displays worldwide. Displays certified according to this criteria document are indeed designed for both the users and the planet.

Why is it important at NEC?

NEC Display Solutions has led the way with labeling of its products for mercury contents for more than eight years. We were the first monitor company to do this and we are also one of the only standalone monitor companies to submit regular reports required for California's SB-50. TCO Displays 5.0 labeling of NEC monitors guarantees:

Usability/Ergonomics

- Good visual ergonomics and image quality is tested to ensure top performance and reduce sight and strain problems. Important parameters are luminance, contrast, resolution, black level, gamma curve, color and luminance uniformity, color rendition and image stability.
- Product have been tested according to rigorous safety standards at an impartial laboratory.
- Electric and magnetic fields emissions as low as normal household background levels.
- Low acoustic noise emissions.

Eco-Friendliness

- NEC demonstrates corporate social responsibility and has a certified environmental management system (EMAS or ISO 14001).
- Very low energy consumption both in on- and standby mode minimize climate impact.
- Restrictions on chlorinated and brominated flame retardants, plasticizers, plastics and heavy metals such as cadmium, mercury and lead (RoHS compliance).
- Both product and product packaging is prepared for recycling.
- NEC offers take-back options.

NEC TCO 5.0 Certified Displays

AS191
AS191WM
AS221WM
E222W
EA190M
EA221WM
EA222WMe
LCD175M

NEC TCO 1.0 Certified Projectors

NP215
NP410

NEC becomes world's first manufacturer to receive TCO certification for projectors

In addition to displays, TCO Development has drawn up a similar catalog of criteria for projectors and developed a new measurement called "TCO Image Size." This measurement facilitates the choice of the right projector for the customer. Moreover, in order to receive a TCO certification, a projector needs to satisfy strict criteria regarding acoustics, energy consumption and the materials used for the product and its packaging. Furthermore, it has to feature an Eco mode in which the device can be operated with lower energy consumption and less noise. When the video or computer interface is disconnected, the projector has to enter standby mode automatically. The NEC NP215 and NP410 are the first projectors worldwide to be awarded the new label of quality and environment.

For more information on NEC Display Solutions' environmental initiatives, visit www.necdisplay.com/EnvironmentalInitiatives.