



TCO Certified

Your platform for sustainable
purchasing

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Purchaser Engagement,
Europe
TCO Development

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About TCO Certified

Independent sustainability certification for IT products -
Trusted by purchasers globally

Life cycle scope - Environmental and social responsibility in supply chain

Mandatory independent verification - products, factories, brand initiatives. 30 000+ hours spent on verification
ISO 14024 type 1 **No Greenwash!**

Wide product choice - 3000+ certified models from 25 brands - search at tcocertified.com

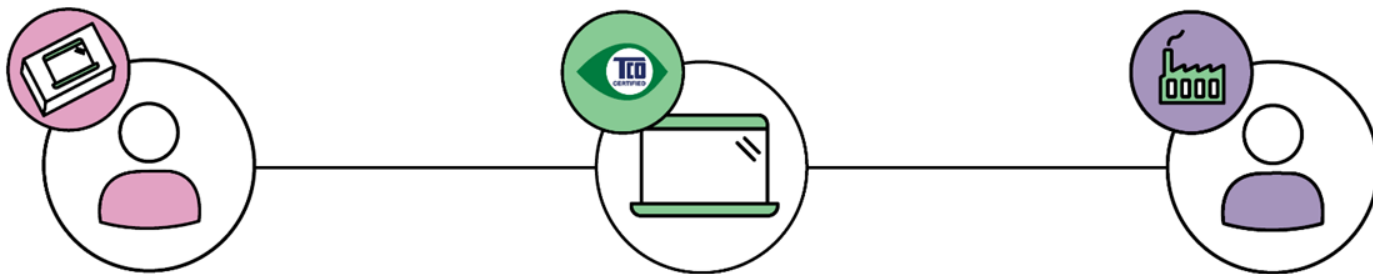
100 million+ certified products
manufactured in 2019





Sustainable IT is a trend that is spreading, and organizations are understanding more and more the need to make responsible purchasing decisions

TCO Certified, a platform for sustainable IT purchasing!



Purchasers

Pressure to deliver on sustainability
Lack of expertise and capacity
Importance of verification
(greenwashing / bluewashing)

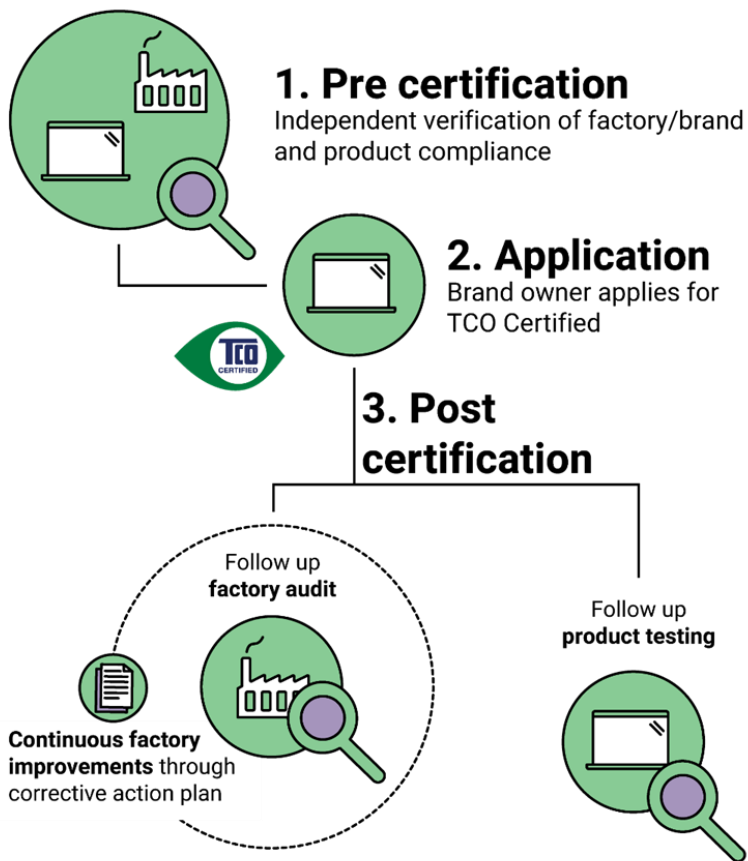
TCO Certified

Up-to-date criteria
Mandatory independent verification
Industry accountability

Industry

Pressure to deliver on transparency
Need for effective proofs
Interest and benefits of harmonization





Certification process

Providing clarity to procurement stakeholders:

- Ongoing, independent
- Product testing, factory assessments
- Harmonized with relevant legislations and standards: EU GPP, ILO core conventions, French repairability index
- Compliant with ISO 14024, 17021 & 17025.



TCO Certified criteria



Socially responsible
manufacturing

Engagement in conflict
minerals initiatives - 3TG+C

Reduced environmental
impact in manufacturing

Declared material content



Extended product life

Energy efficient products and
power supplies

User health & safety

User ergonomics

Declared energy consumption



Reduction of hazardous
substances

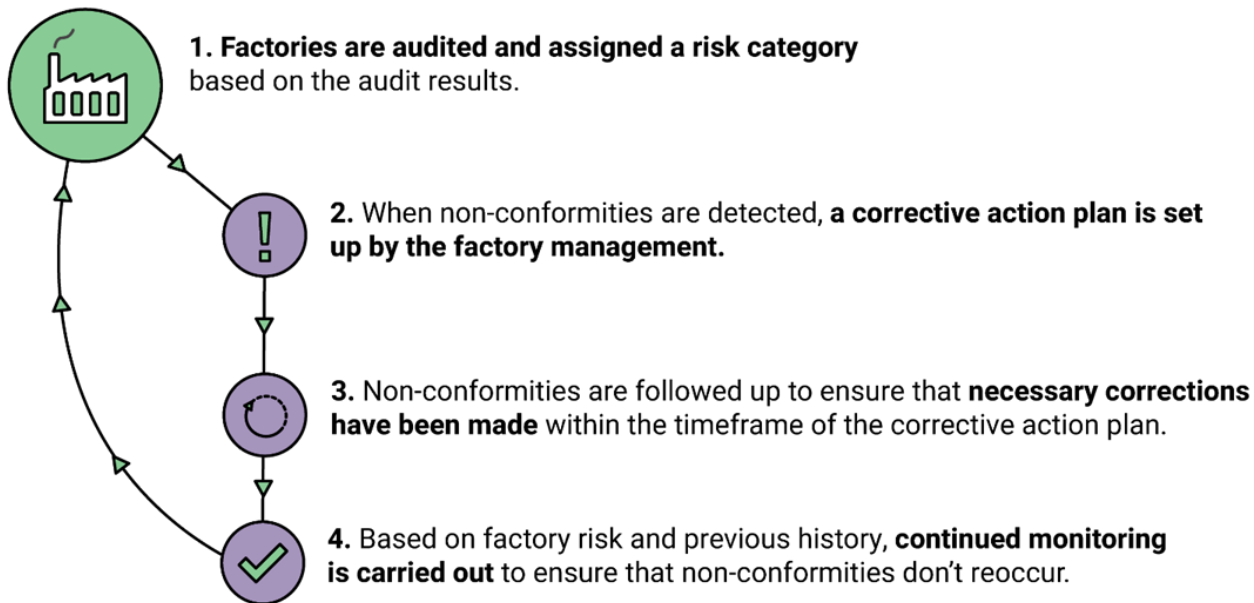
Product take back

Product and packaging
designed for recycling

Declared product weight

TCO Certified Accepted Factory List

– turning more sustainable practices into good business



Certificates can be withdrawn if non-conformities aren't corrected on time.

If violations persist, the factory is removed from TCO Certified Accepted Factory list, and is no longer permitted to manufacture certified products.



TCO Certified Accepted Factory List

– turning more sustainable practices into good business



Category 1

- Major or priority non-conformities are found



Category 2

- Factory with minor non-conformities
- Factory in high risk country



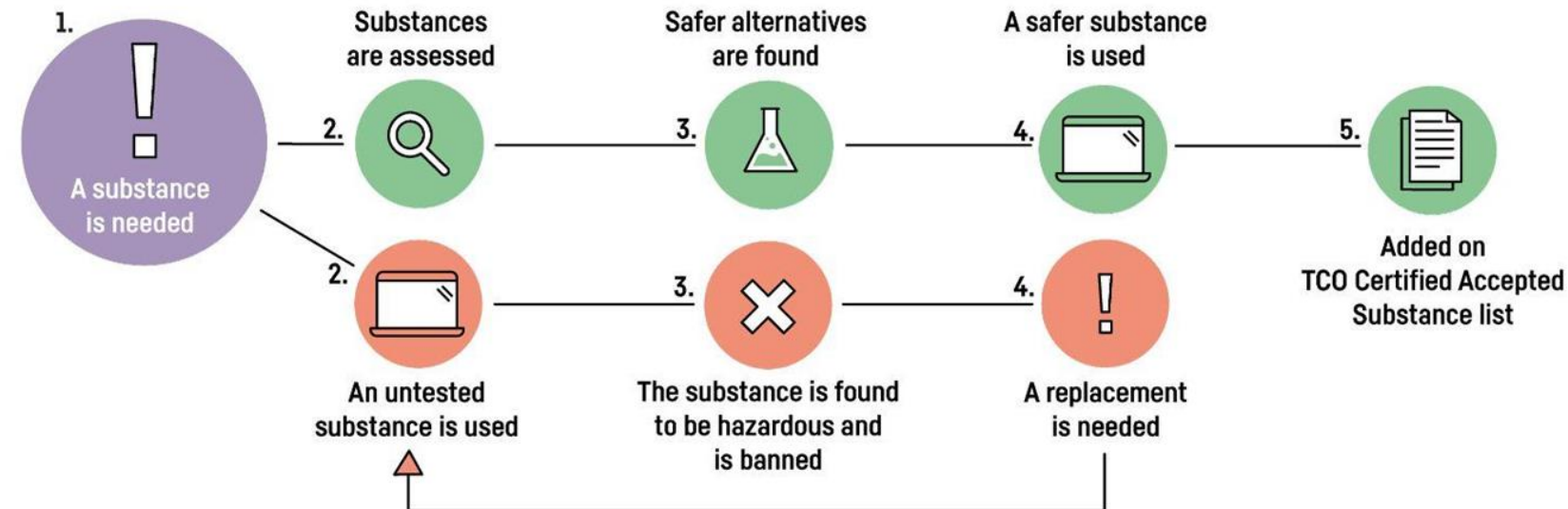
Category 3

- Factory with minor non-conformities
- SA8000 OR factory in low risk country



TCO Certified Accepted Substance List

– making safer chemicals the mainstream choice



TCO Certified Accepted Substance List is public and safer alternatives are made available to all.





TCO Certified in IT procurement

Complete sustainability certification

- Up to date criteria - new generation every 3 years
- Goes beyond legislation
- Ongoing monitoring - industry accountability
- Independent proof for each product model

Save resources

- Easy way to get started with sustainable IT
- **Free to use**
- We develop criteria and verify **for you!**
- Harmonized with Energy Star, RoHS, WEEE, UN / ILO Conventions

Sustainability performance indicators

- Measure energy consumption, product weight, recycled plastic content. More in Generation 9



Purchasers using TCO Certified

Cases:

- Procurement Center for the Judiciary Institution of Budget Economy - 360 courts (Poland)
- Czech Television (Czechia)
- ABN AMRO bank (Netherlands)
- Electrolux (Sweden)
- Dutch and Belgian governments
- City of San Francisco; Massachusetts, Oregon states (USA)



Independent proof



CERTIFICATE

TCO Certified, generation 8
for notebooks



Model name: 123**
Brand name: Example brand
Certification date: 2018-12-12
Expiry date: 2020-12-12

Toward sustainable IT products

With more than 25 years of experience, TCO Certified is the world-leading sustainability certification for IT products. Our comprehensive criteria are designed to drive social and environmental responsibility throughout the product life cycle. Covering eight product categories including displays, computers and mobile devices, compliance is independently verified, both pre and post certification.

For more information visit tco-certified.com

No. N818120001


Viktor Wennström
Certification process
TCO Development

This certificate confirms a sample of the certified product, in original form, has been examined and approved to be compliant with the criteria described in the TCO Certified criteria. The certified product may, subject to the terms of the criteria, be used in the original form, or in a modified form, provided that the modified product is also certified by TCO Certified. This certificate is valid for the period of the certification process.

Appendix to certificate No. N818120001



Brand name: Example brand
Model name: 123**
*** key description:** 1st: 4 or 5
2nd: 6 or 7
Separate power supply: Yes, Class 1
Operating mode sound level: 4.5 B



35.0 %
Recycled plastic



5.1 kg
Total weight of product



Energy consumption
Short idle: 4.1 Watt
Long idle: 3.1 Watt
Sleep mode: 0.6 Watt
Off mode: 0.2 Watt



Aspect ratio: 16:9
Panel size: 11 in
Min. resolution width: 1920 px
Min. resolution height: 1080 px



Battery longevity:
The main battery in this product is tested to withstand at least: **300** full discharges until it reaches 60% of the initial capacity



Durability
Drop test height: 45 cm
High temp operational: 40° C
Low temp operational: -20° C

Sales name(s):
Sales name: 12345

Measure your progress with our
Sustainability Performance Indicators
Always ask for the certificate


Viktor Wennström
Certification process
TCO Development



Notebooks x



COMPARE



WATCH



SHARE RESULTS



EXPORT TO EXCEL

RESET FILTERS

AND

Acer

ASUS

DELL

FUJITSU

HP

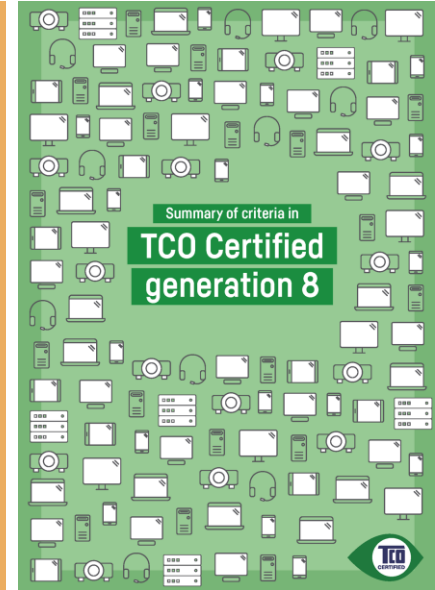
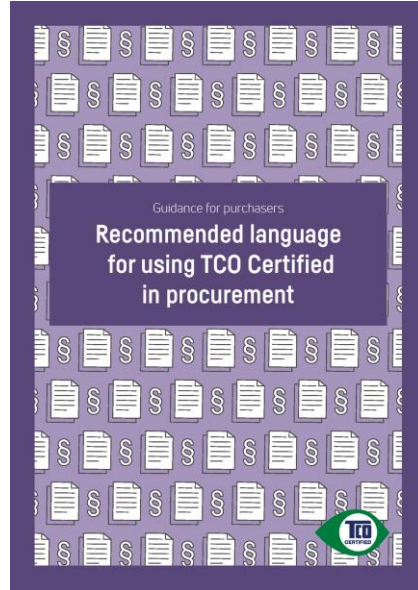
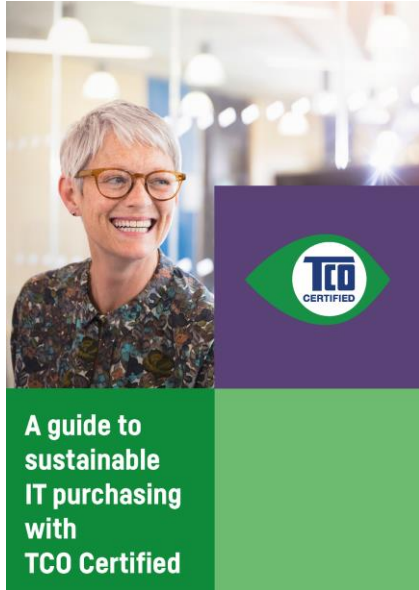
Lenovo

Samsung

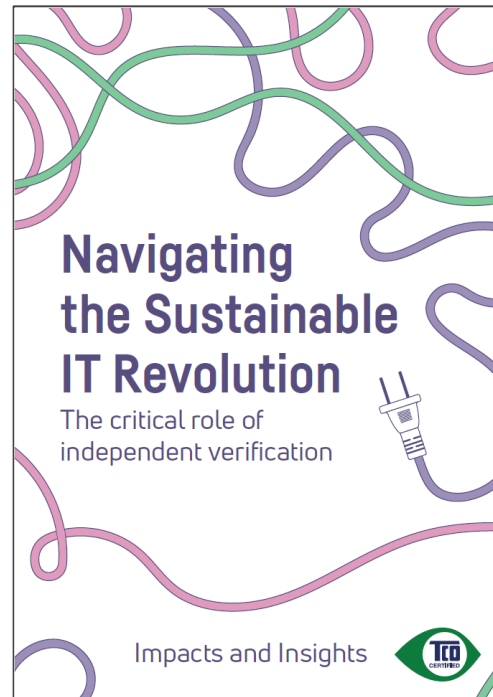
BRAND	SALES NAME	CERTIFIED ON	VALID UNTIL
HP	HP mt32	2020-10-29	2022-10-29
HP	HP mt32 Mobile Thin Client	2020-10-29	2022-10-29
HP	HP Pro c645 Chromebook	2020-10-29	2022-10-29
HP	HP Pro c645 Chromebook Enterprise	2020-10-29	2022-10-29
HP	HP ProBook 635 Aero G7	2020-10-29	2022-10-29
HP	HP ProBook 635 Aero G7 Notebook PC	2020-10-29	2022-10-29
Lenovo	Lenovo ThinkPad C13 Yoga Gen 1 Chromebook	2020-10-23	2022-10-23



Use TCO Certified in your procurement!



Our reports





Dmytro Kapotia
Purchaser Engagement,
Europe

dmytro.kapotia@tcodevelopment.com

tcocertified.com



Results in factories from brands using TCO Certified

Non-conformities in factories	Initial Audit	Factory-led correction	Brand-led correction
Employment contracts	MAJOR	MAJOR	MAJOR
Recruitment practices	MAJOR	MINOR	MINOR
Work environment for young workers	MAJOR	MAJOR	MAJOR
Apprentice/intern/student worker employment practices	MAJOR	MAJOR	MAJOR
Working hours per week	PRIORITY	MAJOR	MAJOR
One (1) day off every seven (7) days	MAJOR	MINOR	MINOR
Procedures to record, manage working hours, including overtime	MAJOR	MAJOR	MAJOR
Disciplinary measures, including wage deductions	MAJOR	MAJOR	MINOR
Emergency exit access	MAJOR	MAJOR	MINOR
Emergency evacuation and response drills	MAJOR	MAJOR	MINOR
Availability of adequate medical treatment	MAJOR	MINOR	MINOR
Worker exposure to chemical, biological and physical agents	MAJOR	MAJOR	MAJOR
Dormitories meet international housing standards	MAJOR	MAJOR	CONFORMITY

TCO Development-led correction	TCO Development + Brand	Closure Audit
CONFORMITY	CLOSED	CLOSED
CONFORMITY	CLOSED	CLOSED
RSK	CLOSED	CLOSED
CONFORMITY	CLOSED	CLOSED
MAJOR	MINOR	MINOR
MAJOR	CLOSED	CLOSED
MAJOR	MINOR	MINOR
CONFORMITY	CLOSED	CLOSED
CONFORMITY	CLOSED	CLOSED
CONFORMITY	CLOSED	CLOSED
MINOR	CLOSED	CLOSED
CONFORMITY	MINOR	CLOSED
CONFORMITY	CLOSED	CLOSED



Smart IT management

Most effective /
highest value



1. Use longer - longer contracts, warranty and service agreements. Product sharing, surplus, re-deployment. Upgrade. Keep asking the hard questions! Replace battery, memory, hard drive



2. Refurbish - give devices a second life. Repair. Upgrade. Sell to second hand market. Sell for refurbishing. Buy refurbished.



3. Remanufacture - sell to remanufacturer. Buy remanufactured



Then this

4. Recycle - mfr takeback programs, accredited recyclers

Do this first

**.. and if you can't,
do this**

Then this

Least effective /
lowest value