



TCO Certified

Circularity in ICT Procurement

September 2-3, 2020

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

44.7 Million Metric Tonnes of e-waste is annually generated, based on figures from 2016.

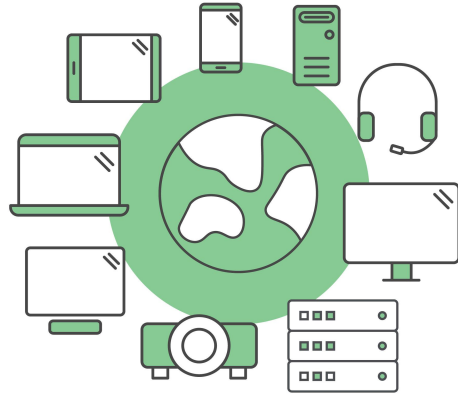
Over 80% was NOT recycled through appropriate channels.

Source: United Nations University (UNU)

Source: Blackbox film &
Medienproduktion GmbH



About TCO Certified



A global sustainability certification

- 25+ years of experience
- Used by IT purchasers and industry worldwide to drive sustainability
- Complete sustainability certification: social and environmental responsibility
- Covering 11 product categories
- Comprehensive, up-to date criteria
- New generation every three years



Independent verification

- Pre and post certification
- Verification covers both products and factories
- Includes a system for dealing with identified instances of non-compliance
- Direct access to industry and the supply chain
- Compliant with ISO 14024, 17025





Product
lifetime
extension



Product lifetime extension

Replaceable critical components

- Pre-defined critical components available with instructions how to replace them.

Standardized connectors - (AIO, Desktops, Notebooks, Tablets, Smartphone)

- USB Type-C connector required for computers and phones

Product durability - (Notebooks, Tablets, Smartphone)

- Durability testing according to United states military standard or International Electrotechnical Commission test methods.

Battery longevity, replaceability - (Notebooks, Tablets, Smartphone, Headsets)

- Minimum of 300 charging cycles (IEC 61960) and instructions on how to replace the battery.

Secure data removal from products - (AIO, Desktops, Notebooks, Tablets, Smartphone)

- Link to free sanitization software (NIST 800-88 Revision 1, "Clear")



Cases





Case I - HP

Key priorities

Purchase a service over a product

Specify energy-efficient devices and measure their impact

Capitalize on extended product life and reduced footprint through design for reparability and recyclability

Specify expanding device use at end of first life through repair and reuse

Require recycled content in as many services/products as possible: this is the simplest way to drive the circular economy and start to tackle the impacts on energy and biodiversity loss





Case I - HP

Framework - Independent verification + Type I ecolabel

Step 1: Develop a framework for sustainable IT procurement

Fundamental principles: 1) Fairness and Full life-cycle; 2) Align with your sustainability goals => Harmony; 3) Measurability and Reporting; 4) Transparency;

Step 2: Evaluate Suppliers

Vendor commitments. General attributes. Life-cycle impacts. End-of-use services. Supply chain responsibility.

Step 3: Evaluate Product

Ecodesign. Materials. Packaging. Compliance with Sustainability criteria (Type 1 ecolabels).





Case II - Malmö City Council

Key Priorities

1. Reflect UN's SDGs in local targets and budget processes
2. Close work with supplier, while focus on own behavior
 - a. purchase products with longer service lives and warranty periods;
 - b. optimize product use (e.g. older computers to short-term employees; reuse internally; smartphones with covers);
 - c. workgroup to discuss sustainable IT use from a broad-based perspective: from specific needs in procurement processes, to how they could create behavioral changes that support circularity
3. Old IT equipment; resell to new users, or recycle
4. Work internally on creating awareness regarding sustainable consumption (e.g. return used products in a condition that makes it possible to resell them)





Case II - Malmö City Council

Framework - Type I ecolabel + Raising awareness

1. Criteria that match our Council's criteria
2. No need to allocate resources into following up on these requirements
3. Same requirements by other buyers - transparency
4. Different sustainability aspects: circularity, chemicals, social issues, conflict minerals as well as ergonomics
5. Promoting examples of best practice that are shared with IT coordinators and decision makers
6. Taking an active role in taking this issue forward





Case III - Closing the Loop

- Collaboration with Closing the Loop.
- TCO Certified Edge, E-waste Compensated
- Aim for E-waste neutral products
- The brand owner purchases offsetting from approved collectors. For every manufactured unit of the product, an equal amount of e-waste is collected and recycled.



Q&A





Contact



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