

Standards and Circular Economy

Incorporating a gender perspective in standards for sustainability

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The global challenges we are facing have brought a pressing need to transition towards a more circular economy

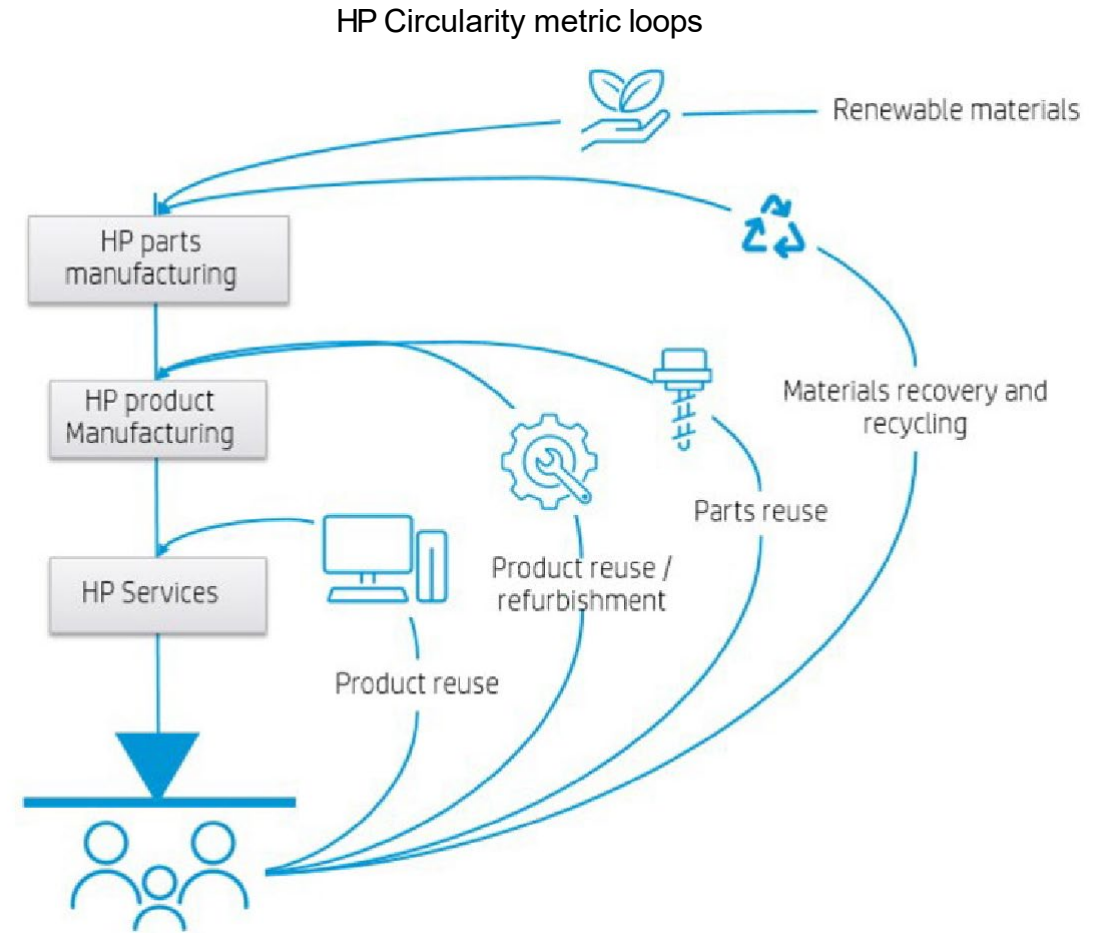


Standards as a key tool to achieve the UNSDGs



Standards for a circular design

- Product design plays a critical role in determining a product's environmental impact
- Circular economy requires standards at each step of the product lifetime (e.g., design, production, recycling, ..)
- Published & under development standards covering certain aspects of circularity:
 - Refurbishment
 - Recyclability
 - Durability
 - Repairability
 - Etc.



Circular Economy and Material Efficiency standards

CEN-CENELEC/JTC 10 'Material efficiency aspects for products in scope of ecodesign legislation'

- prEN 45560 - Method to achieve circular designs of products
- EN 45552 Method to assess of the durability of ErP
- EN 45553 Method to assess of the ability to remanufacture ErP
- EN 45554 Method to assess the ability to repair, reuse & upgrade ErP
- EN 45555 Method to assess the recyclability and recoverability of ErP
- EN 45556 Method to assess proportion of reused components in ErP
- EN 45557 Method to assess the proportion of recycled content in ErP
- EN 45558 Method to declare the use of critical raw materials in ErP
- EN 45559 Method for providing information on ME aspects of ErP

ISO/TC 323 'Circular Economy'

- ISO 59004 - Terminology, Principles and Guidance for implementation
- ISO 59010 - Guidance on business models and value networks
- ISO 59020 - Measuring and assessing circularity
- ISO 59040 - Product Circularity Data Sheet
- ISO 59014 - Secondary materials – Principles, sustainability and traceability requirements (with IEC/TC 111)
- ISO TR 59031 - Performance based approaches
- ISO TR 59032 - Review of business model implementation

IEC/TC 111 'Environmental standardization for electrical and electronic products and systems'

- IEC CD TS 63428 - Material circularity considerations in environmentally conscious design
- IEC CD 60050-193 - International electrotechnical vocabulary (IEV) – Part 193: Circular economy and material efficiency
- IEC TR 62635 EoL & recyclability rate calculation
- IEC/CD 63333 Proportion of reused components
- IEC TR 62824 Material efficiency considerations in ECD

ISO/TC 207 'Environmental management'

- ISO/IEC 62430 - Environmental Conscious Design (with IEC/TC 111)
- ISO/IEC CDV/DIS 8247-1 – Material declaration (with IEC/TC 111)
- ISO 14009 – EMS – Material circulation in design and development

Note: These is not an exhaustive list of circular economy and material efficiency standards



Key factors for gender responsive circular economy standards

- What's a gender responsive standard?
- What's the result of diversity in the standards development process?
 - Better standards
 - Inclusive standards that address the needs of all
 - Products that benefit everyone equally
- What do we need to develop GRS?
 - Understand the impact of gender differences, needs, and the implications in the standards
 - Always adopt a gender lens during the development of a standard
 - Increased participation of women in standards development



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...to the circular economy



Thank you

