



LABGREEN® Program Requirements for Computers and Displays

COMPUTERS AND DISPLAYS (v 2020)

1. Substance Management
2. Materials selection
3. Design for end of life
4. Product Longevity/lifecycle extension
5. Energy conservation
6. End-of-life management
7. Packaging
8. Life cycle assessment and carbon footprint
9. Corporate environmental performance
10. Corporate social responsibility

PCs & DISPLAYS CRITERIA

1 Substance Management

Required Criteria

- 1.1 (Required) – Conformance with European Union RoHS Directive substance restrictions
- 1.2 (Required) – Elimination of intentionally added mercury in light sources
- 1.3 (Required) – Compliance with provisions of EU Battery Directive

Optional Criteria

- 1.4 (Optional) – Reduction of bromine and chlorine content in plastic parts > 25g
- 1.5 (Optional) – Restriction on the use of cadmium
- 1.6 (Optional) – Restriction of the use of beryllium
- 1.7 (Optional) – Further reduction of bromine and chlorine content of plastic materials
- 1.8 (Optional) – Avoidance or elimination of substances on EU REACH Annex XIV (authorization list)
- 1.9 (Optional) – Reduction of substances on the EU REACH Candidate List of SVHCs
- 1.10 (Optional) – Chemical assessment and selection
- 1.11 (Optional) – IEC 62474 declarable substances
- 1.12 (Optional) – Requesting substance inventory
- 1.13 (Optional) – Acquiring substance inventory
- 1.14 (Optional) – Reduce fluorinated gas emissions from flat panel display manufacturing
- 1.15 (Optional) – Reduce fluorinated greenhouse gas emissions from semiconductor production

2 Materials selection

Optional Criteria

- 2.1 (Optional) – Minimum post-consumer recycled plastic, ITE-derived post-consumer recycled plastic or bio-based plastic content
- 2.2 (Optional) – Higher post-consumer recycled plastic, ITE-derived post-consumer recycled plastic, or bio-based plastic content
- 2.3 (Optional) – ITE derived post-consumer recycled plastic content

3 Design for end of life

Required Criteria

- 3.1 (Required) – Identification of materials and components requiring selective treatment

3.2 (Required) – Plastic parts compatible with recycling

3.3 (Required) – Plastic parts separable for recycling

4 Product Longevity/lifecycle extension

Required Criteria

4.1 (Required) – Service support

4.2 (Required) – Removal of external enclosure

4.3 (Required) – Spare parts

4.4 (Required) – Battery replacement and information

Optional Criteria

4.5 (Optional) – Long life rechargeable battery

4.6 (Optional) – Publicly available service information

4.7 (Optional) – Product upgradeability and reparability

4.8 (Optional) – Removal of lithium ion batteries

5 Energy conservation

Required Criteria

5.1 (Required) – Conformance to current LABenergy® program requirements

5.2 (Required) – Lowest power mode limit

Optional Criteria

5.3 (Optional) – Energy efficiency for internal power supplies

5.4 (Optional) – Energy efficiency for external power supplies exceeding International External Power Supply Efficiency Level VI

5.5 (Optional) – Product energy consumption less than the LABenergy® Maximum energy limit

6 End-of-life management

Required Criteria

6.1 (Required) – Provision of product take-back services

6.2 (Required) – Provision of a removable rechargeable battery take-back program

6.3 (Required) – End-of-life processing

7 Packaging

Required Criteria

7.1 (Required) – Elimination of intentionally added heavy metals in packaging

7.2 (Required) – Separable packaging material

7.3 (Required) – Plastics marked in packaging materials

7.4 (Required) – Recycled content in wood-based fiber packaging

Optional Criteria

7.5 (Optional) – Elimination of elemental chlorine as a bleaching agent in packaging material

7.6 (Optional) – Packaging composed of recycled, and/or bio-based, and/or sustainably forested content

7.7 (Optional) – Offering of a bulk packaging option

8 Life cycle assessment and carbon footprint

Optional Criteria

8.1 (Optional) – Product life cycle assessment and public disclosure of analysis

8.2 (Optional) – Product specific greenhouse gas emissions – product carbon footprint

8.3 (Optional) – Corporate carbon footprint

8.4 (Optional) – Greenhouse gas emissions from product transport

9 Corporate environmental performance

Required Criteria

9.1 (Required) – Third party certified environmental management system (EMS) for design and manufacturing organizations

9.2 (Required) – Corporate environmental performance reporting by manufacturer

Optional Criteria

9.3 (Optional) – Third party certified environmental management system (EMS) for supplier manufacturing facilities

9.4 (Optional) – Corporate environmental performance reporting by suppliers

9.5 (Optional) – Energy management system/energy performance improvement – manufacturers

9.6 (Optional) – Energy management system/energy performance improvement for suppliers

9.7 (Optional) – Renewable energy use by manufacturer

9.8 (Optional) – Renewable energy use by manufacturer suppliers

10 Corporate social responsibility

Required Criteria

10.1 (Required) – Public disclosure regarding conflict minerals in products

Optional Criteria

10.2 (Optional) – Socially responsible supplier manufacturing: Labor

10.3 (Optional) – Socially responsible manufacturing: OHS

10.4 (Optional) – Participation in an in-region program that advances responsible sourcing of conflict minerals

10.5 (Optional) – Smelter and refiner participation in OECD-aligned third party mechanisms