Ecma/TC38/2004/3

Technical Committee 38 Product-Related Environmental Attributes



## ECMA-341: the Design for Environment (DfE) Standard

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#### **International industry Association**

• Founded 1961, headquartered in Geneva (CH)

#### **International body**

- Standardising Information & Communication Technology (ICT) and Consumer Electronics (CE)
- *"To develop, in co-operation with the appropriate National, European and International organizations Standards and Technical Reports in order to facilitate and standardise the use of ICT systems*"
- In 1987 <u>Ecma International</u> became A-liaison of <u>ISO/IEC JTC 1</u>.



- Recognition that an environmental conscious design standard was lacking;
- Need to standardise best Industry practices;
- Large companies wished to share extensive expertise with Small and Medium sized enterprises;
- <u>ECMA-341</u> is the only environmental conscious design standard for ICT and CE products.



- Proposal of a DfE-Directive (EUP) by EU Commission
- Application of New Approach principles
- New Approach requires Technical Standards
- European Standardization bodies will have to develop standards
- Standardization hierarchy down to sectorial standards
- Involvement of stakeholders
- Recognition of existing international standards might prevent or help development of new standards



### Technical Committee 38 (TC38) published work

#### TC38 Developed:

- Technical Report <u>TR/70</u>:
  - "Product-related environmental attributes"
- Standard <u>ECMA-328</u>:
  - "Detection and measurement of chemical emissions from electronic equipment "
- Standard <u>ECMA-341</u>:
  - "Environmental design considerations for electronic products "



ECMA-341: Environmental design considerations for electronic products

#### **Content:**

- Material Efficiency
- Energy Efficiency
- Consumables & Batteries
- Chemical Emission
- Extension of Product Life Time
- End of Life
- Substances and Preparations needing special attention
- Documentation
- Design Checklist



#### Conformance

# • Meeting all of the applicable "shall" statements

- **Completing a design checklist** for the product (or for a given family of products);
- Stating compliance through a supplier's declaration such as <u>ECMA TR/70</u>.



- Standard published in January 2003 as ECMA-341 at <u>http://www.ecma-international.org/publications/standards/ecma-341.htm</u>
- Make Standard known as the only DfE standard for ICT and CE industry
- Use/apply the standard in industry worldwide to demonstrate environmental consciousness
- Fast Track to ISO/IEC and/or CENELEC