



INTERNATIONAL

Technical Committee 38
Product-Related Environmental Attributes

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

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 Ecma International became A-liaison of ISO/IEC JTC 1.*

- *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;*
- *ECMA-341 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*

TC38 Developed:

- *Technical Report [TR/70](#):*
 - **“Product-related environmental attributes”**
- *Standard [ECMA-328](#):*
 - **“Detection and measurement of chemical emissions from electronic equipment „**
- *Standard [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*

- *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 ECMA TR/70**.*

- *Standard published in January 2003 as ECMA-341 at <http://www.ecma-international.org/publications/standards/ecma-341.htm>*
- *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*