

Standard ECMA-370

5th Edition / June 2015

TED -

● THE ECO  DECLARATION

Standard



COPYRIGHT PROTECTED DOCUMENT

Contents

Page

1	Scope	1
2	Conformance	2
3	Normative references	2
3.1	Ecma International	2
3.2	ISO/IEC	2
3.3	CEN/CENELEC	3
3.4	International agreements	3
3.5	Regional agreements	3
3.6	National/federal laws/agreements	3
4	Terms and definitions	3
5	Acronyms	4
6	Environmental claims and environmental claims verification	5
6.1	Environmental claims	5
6.2	Compliance verification	5
7	Company environmental profile	5
7.1	Legal (L) and Market (M) requirements	6
7.1.1	Product recycling (C1)	6
7.1.2	Battery recycling (C2)	6
7.1.3	Packaging recycling (C3)	6
7.1.4	Environmental policy and environmental management (C4)	6
7.1.5	Recycling (C5)	6
7.1.6	Voluntary programs (C6)	6
7.1.7	Additional information (C7)	6
8	Product environmental attributes	6
8.1	Legal (L) and Market (M) requirements – Environmental conscious design	7
8.1.1	Hazardous substances and preparations (P1)	7
8.1.2	Batteries (P2)	7
8.1.3	Conformity verification & Eco design (P3)	8
8.1.4	Consumable materials (P4)	8
8.1.5	Product packaging (P5)	8
8.1.6	Treatment information (P6)	8
8.1.7	Disassembly, recycling (P7)	8
8.1.8	Product lifetime (P7)	9
8.1.9	Material and substance requirements (P7)	9
8.1.10	Batteries (P8)	10
8.1.11	Energy consumption (P9)	10
8.1.12	Noise emissions (P10)	10
8.1.13	Chemical emissions from printing products (P10)	11
8.1.14	Electromagnetic emissions (P10)	11
8.1.15	Consumable materials for printing products (P11)	12
8.1.16	Ergonomics for computing products (P12)	12
8.1.17	Packaging and documentation (P13)	12
8.1.18	Voluntary programs (P14)	12
8.1.19	Additional information (P15)	12
	Annex A (Europe) (normative) Company environmental profile	13
	Annex B1 (Europe) (normative) Product environmental attributes - Imaging equipment	15
	Annex B2 (Europe) (normative) Product environmental attributes - Computers and computer monitors	21



Annex C (informative) Verification documentation.....27

Introduction

In response to interest from public and institutional customers, ICT (Information and Communication Technology) and CE (Consumer Electronics) experts started to develop ECMA TR/70 in 1995, with two revisions in the decade to follow. TR/70 catalogued product parameters related to the environment.

To meet the growing customer demand for standardized, comparable product environmental information, IT Företagen developed the IT Eco Declaration system in 1996, with frequent updates.

To have one widely accepted type II eco declaration, IT Företagen and Ecma International harmonized both declarations into ECMA-370 "THE ECO DECLARATION - TED". TED meets the basic principles of ISO 14021 (environmental labels and declarations / self-declared environmental claims) and eco design standards such as ECMA-341.

It also addresses stakeholder comments on ECMA TR/70 and the IT Eco Declaration and recent regulatory changes.

The objective of this Standard is the use of accurate and verifiable environmental self-declarations that:

- increase potential for market forces to stimulate environmental improvements in products;
- prevent or minimize unwarranted claims;
- reduce marketplace confusion;
- facilitate international trade;
- increase opportunity for purchasers, potential purchasers and users to make more informed choices.

What is new in this version of the harmonized Standard?

- Two avoid confusion between the attributes that are applicable for certain equipment and those that are not, the Annex B has been divided into two separate templates; Annex B1 for Imaging equipment and Annex B2 for Computers and Computer monitors.
- All sections have been revised to reflect the recent developments regarding legal and market requirements
- For certain complex attributes, new guidance documents have been developed with two purposes, firstly to guide the user of the declaration to understand the attribute, ensure that the correct test methods are used and that correct information is entered in the declaration. The second aim is to ensure that the reader of the declaration understands the information and that it's used correctly when comparing product attributes. Guidance documents are currently available for: acoustic noise, energy efficiency, chemical emissions, chemical substances, but others can be added in the future.

The guidance documents are linked from the declarations to: www.ecma-international.org/publications/standards/Ecma-370.htm.

- NOTE 1 The Guidance documents are not part of the ECMA-370 Standard and can be amended without any prior notification.
- NOTE 2 To ensure that declarations are issued in line with the ECMA-370 Standard, there is a new possibility to submit comments to ECMA about issued declarations like mandatory information might be missing or seems to be incorrect: www.ecma-international.org/memento/register_TEDinfo.php.

This Ecma Standard has been adopted by the General Assembly of June 2015.

"COPYRIGHT NOTICE

© 2015 Ecma International

This document may be copied, published and distributed to others, and certain derivative works of it may be prepared, copied, published, and distributed, in whole or in part, provided that the above copyright notice and this Copyright License and Disclaimer are included on all such copies and derivative works. The only derivative works that are permissible under this Copyright License and Disclaimer are:

- (i) works which incorporate all or portion of this document for the purpose of providing commentary or explanation (such as an annotated version of the document),*
- (ii) works which incorporate all or portion of this document for the purpose of incorporating features that provide accessibility,*
- (iii) translations of this document into languages other than English and into different formats and*
- (iv) works by making use of this specification in standard conformant products by implementing (e.g. by copy and paste wholly or partly) the functionality therein.*

However, the content of this document itself may not be modified in any way, including by removing the copyright notice or references to Ecma International, except as required to translate it into languages other than English or into a different format.

The official version of an Ecma International document is the English language version on the Ecma International website. In the event of discrepancies between a translated version and the official version, the official version shall govern.

The limited permissions granted above are perpetual and will not be revoked by Ecma International or its successors or assigns.

This document and the information contained herein is provided on an "AS IS" basis and ECMA INTERNATIONAL DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY THAT THE USE OF THE INFORMATION HEREIN WILL NOT INFRINGE ANY OWNERSHIP RIGHTS OR ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE."

TED –

1 Scope

This Standard specifies environmental attributes and measurement methods for ICT and CE products according to known regulations, standards, guidelines and currently accepted practices. The Standard is also applicable to products used as subassemblies, components, accessories and/or optional parts.

The standard addresses company programs and product related attributes, however not manufacturing processes and logistic aspects. Although the declaration templates as defined in annexes A, B1 and B2 are optimized for application in the European Union, this Standard is intended for global use. Additional annexes may be added for other regions.

The annexes cover the following items:

Company environmental profile

The company environmental profile is split into legal and market requirements such as:

- Product/battery/packaging recycling;
- Environmental policy and environmental management systems;
- Compliance with requirements in voluntary programs.

Product environmental attributes

The Product environmental attributes are split into legal and market requirements on:

- Hazardous substances and preparations;
- Batteries;
- Conformity verification & Eco design (ErP);
- Consumable materials;
- Packaging materials;
- Treatment information;
- Environmental conscious design (such as disassembly, recycling, product lifetime, material and substance requirements);
- Energy consumption;
- Emissions (including noise emission, chemical emissions from printing products);
- Ergonomics (for computers and computer monitors);
- Consumable materials for printing products;
- Packaging and documentation;
- Compliance with requirements in voluntary programs.

The attributes are listed without differentiation between products categories. **Not all attributes do necessarily apply to each product category.**

Based on frequently asked questions from customers, some product attributes such as safety, and ergonomics have been included although they are not considered environmental matters.

2 Conformance

For the European Union, declarations conform to this Standard when all mandatory fields and items that have been declared in the Annex A and B templates of this Standard, can be verified as defined in 6.2. To facilitate understanding, explanatory statements should be added to field C7 of Annex A and field P15 of Annex B.

NOTE Ecma International invites and anticipates the development of declarations for other geographical markets, with their specific legal and market requirements, as additional normative annexes in subsequent editions of this Standard. In those editions, the Conformance clause will refer to the declarations in the normative annexes as regional Options.

3 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

3.1 Ecma International

ECMA-74, Measurement of Airborne Noise Emitted by Information Technology and Telecommunications Equipment (ISO 7779)

ECMA-109, Declared Noise Emission Values of Information Technology and Telecommunications Equipment (ISO 9296)

ECMA-328, Detection and Measurement of Chemical Emissions from Electronic Equipment

ECMA-341, Environmental design considerations for electronic products

ECMA-383, Measuring Energy Consumption, Performance and Capabilities of ICT and CE Products

3.2 ISO/IEC

ISO 1043-4, Plastics -- Symbols and abbreviated terms -- Part 4: Flame retardants

ISO 3741, Acoustics -- Determination of sound power levels and sound energy levels of noise sources using sound pressure -- Precision methods for reverberation test rooms

ISO 3744, Acoustics -- Determination of sound power levels and sound energy levels of noise sources using sound pressure -- Engineering method in an essentially free field over a reflecting plane

ISO 3745, Acoustics -- Determination of sound power levels and sound energy levels of noise sources using sound pressure -- Precision methods for anechoic and hemi-anechoic rooms

ISO 7779, Acoustics -- Measurement of airborne noise emitted by information technology and telecommunications equipment (ECMA-74)

ISO 9296, Acoustics -- Declared noise emission values of information technology and telecommunications equipment (ECMA-109)

NOTE Under revision of ISO 9296:1988, Acoustics -- Declared noise emission values of computer and business equipment.

ISO 11201, Acoustics -- Noise emitted by machinery and equipment -- Determination of emission sound pressure levels at a workstation and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections

ISO 11469, Plastics -- Generic identification and marking of plastics products

ISO 11690-1, Acoustics -- Recommended practice for the design of low-noise workplaces containing machinery -- Part 1: Noise control strategies

ISO 14001, Environmental management systems -- Specification with guidance for use

ISO 14021, Environmental labels and declarations -- Self-declared environmental claims (Type II environmental labeling)

ISO/IEC 17025, General requirements for the competence of testing and calibration laboratories

ISO/IEC 28360, Information technology -- Office equipment -- Determination of chemical emission rates from electronic equipment

IEC 61249-2-21, Materials for printed boards and other interconnecting structures

3.3 CEN/CENELEC

EN 12281, Printing and business paper – Requirements for copy paper for dry toner imaging processes (former DIN 19309)

prEN 50279, Visual Display Units – Measuring Methods for Low Frequency Electric and Magnetic Near Fields (final draft, 1998)

3.4 International agreements

International agreements (below) are also to be reflected in all regional annexes:

- The Montreal Protocol on Substances that deplete the Ozone Layer
- ICNIRP; International Commission on Non-Ionizing Radiation Protection supported by World Health Organization of the United Nations
- ENERGY STAR ®; Agreement between United States Environmental Protection Agency (US EPA) and the European Union.

3.5 Regional agreements

European Union (EU)

Applicable EU Directives and EU Regulations are reflected in annexes A and B.

3.6 National/federal laws/agreements

Applicable laws/agreements are reflected in respective annexes.

4 Terms and definitions

For the purposes of this document, the following definitions apply.

4.1

self declaration

self-declared environmental claims as defined in ISO 14021

4.2 biobased
a material that is composed, in whole or in significant part, of biological materials or renewable agricultural (including plant, animal, and marine materials) or forestry materials as defined in IEEE Std 1680™-2006

4.3 chemical emissions
chemical substances released from a product and measured under predefined testing conditions as defined in ECMA-328

4.4 environment
surroundings in which an organization operates, including air, water, land, natural resources, flora, fauna, humans and their interrelation (ISO 14001)

4.5 energy consumption modes
mode as specified in ECMA-341, ECMA-383 and ENERGY STAR ®

4.6 hazardous substances and preparations
substances and preparations which are explosive, oxidizing, extremely flammable, highly flammable, flammable, very toxic, toxic, harmful, corrosive, irritant, carcinogenic, mutagenic, toxic to reproduction, sensitizing or dangerous to the environment (as governed by existing national, regional and international legislation)

4.7 noise emissions
airborne sound radiated into the environment from a defined source (machine or equipment) (ISO 11690-1)

4.8 supplier
the party that supplies the product, process or service, which may be a manufacturer, distributor, importer, assembler, service organization, etc.

4.9 upgrading
increasing the capacity of existing features in the product

4.10 noise test code
a standard that is applicable to a particular class, family or type of machinery or equipment which specifies all the information necessary to carry out efficiently the determination, declaration and verification of the noise emission characteristics under standardized conditions

NOTE ECMA-74 together with ECMA-109 comprises the noise test code for Information Technology and Telecommunications Equipment. These Standards are counterparts of ISO 7779 and ISO 9296, respectively.

5 Acronyms

CAS	Chemical Abstracts Service
CFC	chlorofluorocarbons
CRT	cathode ray tube
EMC	electromagnetic compatibility

HCFC	hydrogenated chlorofluorocarbons
ICNIRP	International Commission on Non-Ionizing Radiation Protection
ICT	information and communication technology
LVD	Low Voltage Directive
PBB	polybrominated biphenyl
PBDE	polybrominated diphenyl ether
PCB	polychlorinated biphenyl
PCT	polychlorinated terphenyl
R&TTE	radio equipment and telecommunications terminal equipment
TVOC	total volatile organic compounds
WEEE	waste electrical and electronic equipment

6 Environmental claims and environmental claims verification

6.1 Environmental claims

Environmental self-declarations according to this Standard are claims regarding environmental aspects of a company, a program, a product, and its packaging.

These claims shall be verifiable using specific predetermined criteria and procedures to assure data reliability.

6.2 Compliance verification

All claims made in the declaration shall be verifiable on request as usual business practice. Examples of documents to be presented in such cases are:

- Attribute specific declaration: signed by a competent person in product assurance or similar position;
- Test report, from either the company or a contracted third-party test laboratory. Such test laboratory should either be accredited, meet ISO/IEC 17025 or follow any other relevant laboratory quality standard or guidelines.

Verification documents, such as listed in Annex C, should be made available within 30 days after the request.

7 Company environmental profile

Annex A is the declaration form for the company environmental profile. The declaration may be published only when all rows and/or fields marked with * (asterisk character in red) are filled-in.

7.1 Legal (L) and Market (M) requirements

7.1.1 Product recycling (C1) Europe L

The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts them on the market and where required.

7.1.2 Battery recycling (C2) L

The company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market or pays eco tax / fee where required.

7.1.3 Packaging recycling (C3) L

The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required.

7.1.4 Environmental policy and environmental management (C4) M

The company shall declare the existence of a documented environmental policy approved by the management.

It shall be declared whether the company operates under an environmental management system. Furthermore, the coverage of the system shall be declared (product development and/or manufacturing).

If the company has an environmental management system it shall be declared, on which base it is certified:

- ISO 14001
- Other (then specify in section C7).

In case the company issues an environmental report available to the public, this should be declared including whether it meets the recommendations of the Global Reporting Initiative (GRI) or any other (then to be specified in C7).

7.1.5 Recycling (C5) M

It shall be declared whether information about the product, battery & packaging take back systems (C1, C2 and C3) are available to any stakeholder in printed or electronic format.

7.1.6 Voluntary programs (C6) M

It shall be declared whether the company meets the requirements of voluntary program(s) and the relevant criteria version(s) and enforcement date(s).

7.1.7 Additional information (C7) M

C7 should be used to provide additional information.

In case the fields "other" (C4.2 and C4.3) of the company profile are ticked further information shall be provided in C7.

8 Product environmental attributes

Annexes B1 and B2 are the declaration templates for the product environmental attributes. For the convenience of declarers, Annex B1 is provided for imaging equipment and Annex B2 is for computers and computer monitors. The declaration may be published only when all rows and/or fields marked with * (asterisk character in red) are filled-in.

8.1 Legal (L) and Market (M) requirements – Environmental conscious design

Voluntary programs (eco labels or green procurement guidelines) exist for some products. When criteria that are specified in voluntary programs are met, it may be declared referring the applicable version.

Europe

8.1.1 Hazardous substances and preparations (P1)

L

A declaration of the absence / presence (with thresholds specified in the legal references) shall be made for the following hazardous substances and preparations:

- a) Substances and preparations covered by general restrictions, such as:
 - lead, mercury, cadmium, chromium VI, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs)
 - asbestos
 - ozone depleting substances
 - polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT)
 - short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP.
- b) Substances and preparations covered by limitations on the release from parts with direct and prolonged skin contact:
 - nickel
- c) Substances and preparations to be declared according to Article 33 of the EU REACH Directive.

Determination of the material composition should be conducted in accordance with accepted industry practices.

For the applicability of any restrictions for the above listed substances, the appropriate legislation must be consulted.

When substances and/or preparations in products in the scope of this Standard, become banned or restricted, they shall also be reported using the field P15 in the declaration.

8.1.2 Batteries (P2)

L

The following items shall be declared for all batteries or accumulators contained in the product:

- a) If the product contains a battery it should be labeled with the disposal symbol. Chemical symbols apply to batteries which contain more than concentration specified in applicable regulations.
- b) Batteries do not contain mercury, cadmium or lead in concentrations higher than specified in applicable regulations.
- c) If batteries are installed in the product (unless for safety, performance, medical or data integrity reasons, a permanent connection is required between the appliance and the battery or accumulator), they should be readily removable by the end-user or by qualified professionals. When applicable, the product should be accompanied by instructions on how the battery can be removed by either the end-user or qualified professional.

“n.a” shall only be ticked if a product does not contain batteries.

8.1.3 Conformity verification & Eco design (P3)**L**

The following items shall be declared for the product:

- a) If the product is CE-marked to show conformance with applicable legal safety requirements.
- b) If the product complies with the Eco design requirements for energy-related products.

“n.a.” shall only be ticked if a product does not fall under the scope of the above requirements.

8.1.4 Consumable materials (P4)**L**

The following items shall be declared for all consumables provided with the product:

- a) If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium in concentrations higher than specified in applicable regulations.
- b) If ink/toner is used in the product, it does not contain cadmium in concentrations higher than specified in applicable regulations.
- c) If the ink/toner formulation/preparation is classified as hazardous according to applicable requirements, or contains a substance for which there are Community workplace exposure limits, the product/packaging is adequately labeled according to applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).

“n.a.” shall only be ticked if a product does not contain the referenced consumable.

8.1.5 Product packaging (P5)**L**

The following items shall be declared for all packaging materials provided with the product:

- a) The concentrations of regulated substances do not exceed specified levels in applicable regulations.
- b) The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used.
- c) The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol.

“n.a.” shall only be ticked if packaging material doesn't contain plastics.

8.1.6 Treatment information (P6)**L**

It shall be declared whether and Information for recyclers/treatment facilities is available.

“n.a.” shall only be ticked if a product does not fall under the any legal requirement.

8.1.7 Disassembly, recycling (P7)**M**

The following items supporting the disassembly, separation and/or recycling by professionals shall be declared for the product:

- a) If all parts that have to be treated separately are easily separable.
- b) If all plastic materials in covers/housing have no surface coating.
- c) If all plastic parts > 100 g consist of one material or of easily separable materials.

- d) If all plastic parts > 25 g have material codes according to ISO 11469 referring to ISO 1043-4.
- e) If plastic parts are free from metal inlays or have inlays that can be removed with commonly available tools.
- f) If all labels are easily separable or made of compatible material. (This does not apply to safety labels)

“n.a.” shall only be ticked if a product does not contain the parts listed.

8.1.8 Product lifetime (P7)

M

The following items supporting the extension of lifetime of the products shall be declared:

- a) If an upgrading can be done e.g. with processor, memory, cards or drives.
- b) If an upgrading can be done using commonly available tools.
- c) Spare parts availability in years after the end of production.
- d) Service availability in years after the end of production.

“n.a.” shall only be ticked if the product type is typically designed to be replaced rather than to be repaired or serviced.

Further information such as the service warranty/policy offered by the supplier or any restrictions to the spare part and service availability can be listed in the declaration field P15.

8.1.9 Material and substance requirements (P7)

M

Regarding materials and substances item a) shall be declared and items b) to m) should be declared:

- a) Product cover/housing material types > 25 g (plastic parts shall be specified according to ISO 11469 referring ISO 1043-4).
- b) If the electrical cable insulation materials of external cables are PVC free.
- c) If the electrical cable insulation materials of internal cables are PVC free.
- d) If cover/housing plastic parts > 25 g are low chlorine and bromine.
- e) If printed circuit boards (without components) > 25 g are low halogen, as defined in IEC 61249-2-21.
- f) If chemical specifications of flame retardants in cover / housing plastic parts > 25 g is provided according to ISO 1043-4 (marking).
- g) If chemical specifications of flame retardants in printed circuit boards > 25 g (without components) are TBBPA (reactive), TBBPA (additive), or other. The CAS number of other flame retardants should be specified.
- h) For plastic parts > 25 g containing flame retardants above 0,1%, the chemical name of the flame retardant, including CAS number, should be specified.
- i) For plastic parts > 25 g, Risk phrases and Hazard statements are provided for flame retardant substances/preparations above 0,1%.
- j) The weight percentage of recycled material in plastic parts.
- k) The weight percentage of biobased material in plastic parts.

l) If light sources are free from mercury.

m) If mercury is used the number of lamps including the maximum mercury content per lamp in mg.

“n.a.” shall only be ticked if a product does not contain the parts listed.

8.1.10 Batteries (P8)

M

The following items shall be declared for all batteries (including accumulators) contained in the product:

a) Battery chemical composition.

“n.a.” shall only be ticked if a product does not contain batteries.

8.1.11 Energy consumption (P9)

M

When reporting the energy consumption for a certain product, the naming of the energy modes, as specified in the applicable standard, shall be used. The pre-designed table for imaging equipment has six rows. Rows that are not used in a certain standard or for a certain product category may be left empty, however with “n.a.” ticked in relevant row of right column. Applicable modes shall be declared. The applicable standard shall be specified in the box Reference/Standard for energy modes and test method. For products, for which e.g. industry standards do not exist, the applicable reference shall be given in the box Reference/Standard for energy modes and test method, e.g. “company standard”.

For some products duty cycles or workload profiles have been developed to allow an estimation of the typical energy consumption (ETEC, TEC and PTEC). For these, it is voluntary to list the energy consumption per mode.

The following item shall be declared for all energy modes specified in applicable product standards.

The relevant power levels (rms) for applicable voltage(s) in W are to be tested and declared.

The following items should be declared:

a) Whether or not information about the energy save function is provided with the product;

b) Compliance to the energy criteria of voluntary programs, such as ENERGY STAR®, if declared, the version, and if applicable, Tier number of the program shall be specified and when applicable, also the product category.

Where applicable, the following shall be declared (including the standard reference):

- ETEC in kWh/year, TEC in kWh/week and PTEC in W;
- the print speed expressed in images per minute for imaging equipment;
- the display resolution expressed in megapixels and the energy efficiency class for computer monitors.

“n.a.” shall only be ticked if a product does not have the specified mode (e.g. no load).

8.1.12 Noise emissions (P10)

M

Declare the statistical upper limit A-weighted sound power level $L_{WA,c}$ in bels (B) according to ECMA-109 (ISO 9296).

NOTE 1 $L_{WA,c}$ is a statistical maximum value to account for both product variation and lab-to-lab variations, and is typically about 0,3 bels - 0,4 bels greater than the mean A-weighted sound power level, $L_{WA,m}$. ECMA-109 and ISO 9296 specify how to determine and verify $L_{WA,c}$.

If a product is within the scope of ECMA-74 (ISO 7779), measure the idle, operating and other applicable modes according to these standards.

If a product is not within the scope of ECMA-74 (ISO 7779) but within the scope of another applicable test code (see 4.10), measure the operations prescribed by the test code. If no applicable noise test code exists, measure according to the basic standards ISO 3741, ISO 3744 or ISO 3745 and enter operation descriptions in P15 (see 8.1.19).

NOTE 2 Additional noise metrics may be declared in P15 for modes specified in P10.1, provided that the test standards and description of modes are also declared.

Declare only single values and a description of the corresponding operating mode P10.1. A range of values may be reported in P15, following the Guidance document on Acoustic Noise.

If a product does not have a mandatory operating mode, tick “n.a.” in P10.

If product sound power level measurement is not feasible, e.g. because of product size, tick “n.a.” in P10. In this case, alternative noise metrics may be measured and declared in P15 at the discretion of the manufacturer. In this case, declare the operation(s), noise metric value(s), and the applicable test code. In the absence of a test code, describe the operation, the microphone height and horizontal spacing from the product, and any applicable basic standards.

8.1.13 Chemical emissions from printing products (P10)

M

For all printing products; if chemical emissions have been determined according to ECMA-328 (ISO/IEC 28360), or another standard or measurement procedure as to be specified in the declaration, the typical emission rates during print phase for the following substances should be declared:

- a) Dust (particulate matter);
- b) Styrene;
- c) Benzene;
- d) TVOC.

In addition, for electrophotographic imaging devices, the typical emission rate for ozone should be declared for each of the above listed chemical emissions.

NOTE Typical concentrations of chemical substances that have accumulated as a result of emissions during certain specified test conditions for the printer may be declared in P15.

“n.a.” shall only be ticked for non-printing products.

8.1.14 Electromagnetic emissions (P10)

M

For computer displays it should be declared if the requirements for low frequency electromagnetic fields of a voluntary program(s) are met by the product.

NOTE 1 Public perception and increased requests from customers related to electromagnetic field emissions which emanate from CRT type computer monitors led to the preliminary standard prEN 50279.

NOTE 2 According to the World Health Organization, electromagnetic fields from Visual Display Units, VDUs do not have any negative health effects.

“n.a.” shall only be ticked for products out of scope of the above requirement.

8.1.15 Consumable materials for printing products (P11)**M**

For consumable materials for printing products it shall be declared, if:

- a) A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see 8.1.4).
- b) Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN 12281.
- c) 2-sided (duplex) printing/copying is an integrated product function.
- d) The product is delivered to the end-user with default auto-duplex enabled.

“n.a.” shall only be ticked for non-printing products.

8.1.16 Ergonomics for computing products (P12)**M**

For computing products it shall be declared, if:

- a) The monitor/display meets the ergonomic requirements of ISO 9241-307.
- b) The stand-alone external product keyboard meets the requirements of ISO 9995, ISO/IEC TR 24784 and ISO 9241-410.

“n.a.” shall only be ticked for products out of scope of the referenced standards.

8.1.17 Packaging and documentation (P13)**M**

The following items shall be declared for all packaging materials provided with the product:

- a) The product packaging material type(s) and weight (kg) for each packaging fraction.
- b) If the product plastic packaging is PVC free.
- c) For product primary corrugated fiberboard packaging, the minimum percentage of post-consumer recovered fiber content:
- d) i) Specify media for user and product documentation: Electronic, Paper, Other (tick box)
ii) If the user and product documentation contain chlorine bleached paper and whether this is totally chlorine-free, elemental chlorine-free or processed chlorine-free.

For d) “n.a.” shall only be ticked if the product does not contain any paper based user and product documentation.

Depending on availability of post-consumer recycled fiber, the content may vary between paper mills and over time. It is therefore acceptable to specify a range of recycled content, e.g. 10%-20%.

8.1.18 Voluntary programs (P14)**M**

It shall be declared whether the product meets the requirements of voluntary program(s) and the relevant criteria version(s) and effective date(s).

8.1.19 Additional information (P15)**M or L**

Since the declarations are fixed formats, the field P15 should be freely used to provide additional product related information.

Annex A (Europe) (normative)

Company environmental profile

This Annex is also provided as a separate file – [ECMA-370-Annex-A.doc](#) – which shall be used for the declarations.



Company environmental profile - THE ECO DECLARATION

Brand		Logo
Company name *		
Contact information *		
Internet site *		
Issue date *		
Intended market *	<input type="checkbox"/> Global <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other	
Additional information		

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.
The declaration may be published only when all rows and/or fields marked with an * are filled-in (n.a. for not applicable).
Additional information regarding each item may be found under C7.

Company environmental profile - Legal requirements		Requirement met		
Item		Yes	No	n.a.
C1	Product recycling			
C1.1*	The company participates in a system or has its own system for collection and recycling of end of life products in countries where the company puts them on the market and where required (see legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	
C2	Battery recycling			
C2.1*	The company participates in a system or has its own system for collection and recycling of batteries in countries where the company puts products on the market (see legal reference) or pays eco tax / fee where required.	<input type="checkbox"/>	<input type="checkbox"/>	
C3	Packaging recycling			
C3.1*	The company participates in a system or has its own system for collection and recycling of packaging material in countries where the company puts products on the market and where required (see legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	

Company environmental profile - Market requirements		Requirement met		
Item		Yes	No	n.a.
C4	Environmental policy and environmental management			
C4.1*	The company has a documented environmental policy approved by the management.	<input type="checkbox"/>	<input type="checkbox"/>	
C4.2*	The company has an environmental management system covering: Product development Manufacturing If so certified according to: <input type="checkbox"/> ISO 14001 <input type="checkbox"/> Other as specified in C7	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
C4.3	The company regularly publishes an environmental report. If so, it meets the recommendations of <input type="checkbox"/> The Global Reporting Initiative <input type="checkbox"/> Other as specified in C7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C5	Recycling			
C5.1*	Information about the product, battery & packaging take back system (C1, C2 and C3) is available in printed or electronic format.	<input type="checkbox"/>	<input type="checkbox"/>	

Company environmental profile - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.
C6	Voluntary programs			
C6.1	The company meets the requirements of the following voluntary program(s):			
	Voluntary Agreement: Criteria version: Date: Product category:			
	Voluntary Agreement: Criteria version: Date: Product category:			
C7	Additional information			

Legal references Europe Annex A

Reference	Declaration item
Directive 2012/19/EU (WEEE directive)	C1.1
Directive 2006/66/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	C2.1
Directive 2004/12/EC (Packaging Directive)	C3.1
Decision 97/129/EC (Secondary packaging legislation)	C3.1

Annex B1 (Europe) (normative)

Product environmental attributes - Imaging equipment

This Annex is also provided as a separate file – [ECMA-370-Annex-B1.doc](#) – which shall be used for the declarations.



Annex B1 Product environmental attributes Imaging equipment

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *		Logo
Company name *		
Contact information * e-mail address		
Internet site *		
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	
Commercial name *	
Model number *	
Issue date *	
Intended market *	<input type="checkbox"/> Global <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B1

Annex B1 reflects Product environmental attributes relevant for Imaging products. The following items from the ECMA-370 Main body are not shown in the template:
P9.1 PTEC, ETEC and display resolution
P12.1-P12.2 Ergonomic requirements.

Model number *		Logo
Issue date *		

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
P1 Hazardous substances and preparations				
P1.1*	Products do comply with the current European RoHS Directive. (See legal reference and NOTE B1)	<input type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2 Batteries				
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3 Conformity verification & Eco design (ErP)				
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with the Eco design Requirements for Energy-Related Products, (see legal reference). Required information is; <input type="checkbox"/> given in item P15 or added to this document, <input type="checkbox"/> available at (add URL):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4 Consumable materials				
P4.1*	If a photo conductor (drum, belt etc.) is used in the product, it does not contain cadmium max 0,01% (see legal reference and NOTE B1).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.2*	If ink/toner is used in the product, it does not contain cadmium max 0,1% by weight (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.3*	If the ink/toner formulation/preparation is classified as hazardous or contains a substance for which there are Community workplace exposure limits, the product/packaging is adequately labeled according to applicable regulations and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5 Product packaging				
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6 Treatment information				
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *		Logo	
Issue date *			

Product environmental attributes - Market requirements (continued)					Requirement met		
Item					Yes	No	n.a.
Material and substance requirements (continued)							
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6):				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If YES; at least one of the two alternatives below shall be answered;						
	a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is %.						
	or						
	b) The weight of recycled material is g.						
P7.21*	Biobased plastic material content is used in the product (See NOTE B7):				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If YES; at least one of the two alternatives below shall be answered;						
	a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.						
	or						
	b) The weight of the biobased plastic material is g.						
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg						
P8 Batteries							
P8.1*	Battery chemical composition:						<input type="checkbox"/>
P9 Energy consumption (See NOTE B8)							
P9.1	For the product the following power levels or energy consumptions are reported:						
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for modes and test method *	energy <input type="checkbox"/>		
Sleep mode for ENERGY STAR® Operational Mode (OM) products	W	W	W		<input type="checkbox"/>		
Standby/off mode for ENERGY STAR Operational Mode (OM) products	W	W	W		<input type="checkbox"/>		
TEC value for ENERGY STAR TEC products (TEC= Typical Energy Consumption)	kWh/week	kWh/week	kWh/week		<input type="checkbox"/>		
	W	W	W		<input type="checkbox"/>		
	W	W	W		<input type="checkbox"/>		
	W	W	W		<input type="checkbox"/>		
	W	W	W		<input type="checkbox"/>		
	W	W	W		<input type="checkbox"/>		
	W	W	W		<input type="checkbox"/>		
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :					<input type="checkbox"/>		
Print/Scan Speed * : images per minute					<input type="checkbox"/>		
Default time to enter energy save mode: minutes					<input type="checkbox"/>		
P9.2*	Information about the energy save function is provided with the product.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic.

NOTE B8 A Guidance document on Energy efficiency is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

Model number *		Logo	
Issue date *			

Product environmental attributes - Market requirements (continued)				Requirement met		
Item				Yes	No	n.a.
P10 Emissions						
Noise emission – Declared according to ISO 9296 (See NOTE B9)						
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)			
	Idle	*	*			<input type="checkbox"/>
	Operation	*	*			<input type="checkbox"/>
	Other mode					
	Measured according to: <input type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74)					
Chemical emissions from printing products (See NOTE B10)						
P10.2*	Test performed according to ECMA-328 Determination of Chemical Emission Rates from Electronic Equipment (ISO/IEC 28360) <input type="checkbox"/> , other specify:			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P10.3	Typical emission rate (operation phase) is (mg/h):					<input type="checkbox"/>
	Electrophotographic devices: Ozone	Dust	Styrene	Benzene	TVOC	<input type="checkbox"/>
	Ink devices:	Dust	Styrene	Benzene	TVOC	<input type="checkbox"/>
	NOTE: compliance with maximum emission rates in eco labels to be declared in P14.					
P11 Consumable materials for printing products						
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P11.2*	Paper containing post-consumer recycled fibers can be used, provided that it meets the requirements of EN 12281.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P11.3*	2-sided (duplex) printing/copying is an integrated product function.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P11.4*	The product is delivered to end-user with default auto-duplex enabled.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13 Packaging and documentation						
P13.1*	Product packaging material type(s):	weight (kg):				
	Product packaging material type(s):	weight (kg):				
	Product packaging material type(s):	weight (kg):				
P13.2*	Product plastic primary packaging is free from PVC.			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: %					<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): Electronic <input type="checkbox"/> , Paper <input type="checkbox"/> , Other <input type="checkbox"/>					<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify:			<input type="checkbox"/>	<input type="checkbox"/>	
	Totally chlorine-free			<input type="checkbox"/>		
	Elemental chlorine-free			<input type="checkbox"/>		
	Processed chlorine-free			<input type="checkbox"/>		
P14 Voluntary programs:						
P14.1	The product meets the requirements of the following voluntary program(s):					
	ENERGY STAR®	Criteria version:	Date:	Product category:		
	Eco-label:	Criteria version:	Date:	Product category:		
	Eco-label:	Criteria version:	Date:	Product category:		

NOTE B9 A Guidance document on Acoustic Noise is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

NOTE B10 A Guidance document on Chemical Emissions is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

Model number *		Logo	
Issue date *			

Product environmental attributes - Market requirements (concluded)		Requirement met
P15	Additional information (See NOTE B11)	

Legal references Europe Annex B1

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive) * * Specific exemptions apply for certain products and applications.	P1.1, P4.1
(EC) 1907/2006 (REACH, Annex XVII)	P1.2, P1.4, P1.6, P1.7, P4.2
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000, (Marketing and use of Ozone layer depleting substances)	P1.3, 5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
"REACH" Regulation (1907/2006), annex VII	P1.10
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2.3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) 1907/2006 (REACH Regulation), Article 31, annex II)	P4.3
Regulation (EC) 1272/2008 (CLP Regulation)	P4.3, P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1

NOTE B11 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Annex B2 (Europe) (normative)

Product environmental attributes - Computers and computer monitors

This Annex is also provided as a separate file – [ECMA-370-Annex-B2.doc](#) – that shall be used for the declarations.



Annex B2 - Product environmental attributes Computers and computer monitors

The declaration may be published only when all rows and/or fields marked with * are filled-in (n.a. for not applicable). Additional information regarding each item may be found under P15.

Brand *		Logo
Company name *		
Contact information * e-mail address		
Internet site *		
Additional information		

The company declares (based on product specification or test results based obtained from sample testing), that the product conforms to the statements given in this declaration.	
Type of product *	
Commercial name *	
Model number *	
Issue date *	
Intended market *	<input type="checkbox"/> Global <input checked="" type="checkbox"/> Europe <input type="checkbox"/> Asia, Pacific & Japan <input type="checkbox"/> Americas <input type="checkbox"/> Other
Additional information	

This is an uncontrolled copy when in printed form. Please refer to the contact information for the latest version.

About Annex B2

Annex B2 reflects Product environmental attributes relevant for Computers and Computer Monitors. The following items from the ECMA-370 Main body are not shown in the template:
P4.1 – P4.3 Consumable materials
P9.1 TEC and Print speed
P10.2 - P10.3 Chemical emissions from printing products
P11.1 - P11.3 Consumable materials for printing products.

Model number *		Logo	
Issue date *			

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
P1	Hazardous substances and preparations			
P1.1*	Products do comply with current European RoHS Directive. (See legal reference and NOTE B1)	<input type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input type="checkbox"/>	<input type="checkbox"/>	
P1.3*	Products do not contain Ozone Depleting Substances: Chlorofluorocarbons (CFC), hydrobromofluorocarbons (HBFC), hydrochlorofluorocarbons (HCFC), Halons, carbontetrachloride, 1,1,1-trichloroethane, methyl bromide (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	
P1.4*	Products do not contain more than; 0,005% polychlorinated biphenyl (PCB), 0,005% polychlorinated terphenyl (PCT) in preparations (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	
P1.5*	Products do not contain more than 0,1% short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine in the SCCP (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0,5 µg/cm ² /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:2011-5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P1.7*	REACH Article 33 information about substances in articles is available at (add URL or mail contact):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2	Batteries			
P2.1*	If the product contains a battery or an accumulator, the battery/accumulator is labeled with the disposal symbol. Information on proper disposal is provided in user manual. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.2*	Batteries or accumulators do not contain more than 0,0005% of mercury or 0,002% of cadmium. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P2.3*	Batteries and accumulators are readily removable. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3	Conformity verification & Eco design (ErP)			
P3.1*	The product is CE-marked to show conformance with applicable legal requirements (see legal reference). The Declaration of Conformity can be requested at (add link or e-mail address):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with the Eco design requirements for energy-related products, (see legal reference). Required information is; <input type="checkbox"/> given in item P15 or added to this document, <input type="checkbox"/> available at (add URL):	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5	Product packaging			
P5.1*	Packaging and packaging components do not contain more than 0,01% lead, mercury, cadmium and hexavalent chromium by weight of these together.	<input type="checkbox"/>	<input type="checkbox"/>	
P5.2*	The packaging materials are marked with abbreviations and numbers indicating the nature of the material(s) used (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P5.3*	The product packaging material is free from ozone depleting substances as specified in the Montreal Protocol (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P6	Treatment information			
P6.1*	Information for recyclers/treatment facilities is available (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

NOTE B1 Restriction applies to the homogeneous material, unless other specified and expressed in weight %. Stating "Yes" means that the product is compliant with the mandatory requirements.

Model number *		Logo
Issue date *		

Product environmental attributes - Market requirements (continued)					Requirement met		
Item					Yes	No	n.a.
Material and substance requirements (continued)							
P7.20*	Postconsumer recycled plastic material content is used in the product (See NOTE B6):				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If YES; at least one of the two alternatives below shall be answered;						
	a) Of total plastic parts' weight > 25 g, the postconsumer recycled plastic material content (calculated as a percentage of total plastic by weight) is %.						
	or						
	b) The weight of recycled material is g.						
P7.21*	Biobased plastic material content is used in the product (See NOTE B7):				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If YES; at least one of the two alternatives below shall be answered;						
	a) Of total plastic parts' weight > 25 g, the biobased plastic material content (calculated as a percentage of total plastic by weight) is %.						
	or						
	b) The weight of the biobased plastic material is g.						
P7.22*	Light sources are free from mercury, i.e. less than 0,1 mg/lamp.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	If mercury is used specify: Number of lamps: and maximum mercury content per lamp: mg						
P8 Batteries							
P8.1*	Battery chemical composition:						<input type="checkbox"/>
P9 Energy consumption (See NOTE B8)							
P9.1 For the product the following power levels or energy consumptions are reported:							
Energy mode *	Power level at 100 V AC	Power level at 115 V AC	Power level at 230 V AC	Reference/Standard for energy modes and test method *			<input type="checkbox"/>
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)							
PTEC * Typical Energy Consumption	W	W	W				<input type="checkbox"/>
ETEC * Annual Energy Consumption	kWh/year	kWh/year	kWh/year				<input type="checkbox"/>
External Power Supply Efficiency Level (International Efficiency Marking Protocol) * :							<input type="checkbox"/>
Display resolution * : megapixels							<input type="checkbox"/>
Default time to enter energy save mode: minutes							<input type="checkbox"/>
P9.2*	Information about the energy save function is provided with the product.				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3	Energy efficiency class (monitors only):						<input type="checkbox"/>

NOTE B6 Applies to a product containing plastic parts whose combined weight exceeds 100 g with the exception of printed circuit boards, cables, connectors and electronic components and bio-based plastic material.

NOTE B7 The following is to be excluded from the calculation of percentage: printed circuit boards, labels, cables, connectors and electronic components and postconsumer recycled plastic

NOTE B8 A Guidance document on Energy Efficiency is available; see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

Model number *		Logo
Issue date *		

Product environmental attributes - Market requirements (continued)			Requirement met		
Item			Yes	No	n.a.
P10 Emissions					
Noise emission – Declared according to ISO 9296 (See NOTE B9)					
P10.1	Mode	Mode description	Statistical upper limit A-weighted sound power level, $L_{WA,c}$ (B)		
	Idle	*	*		<input type="checkbox"/>
	Operation	*	*		<input type="checkbox"/>
	Other mode				
Measured according to: <input type="checkbox"/> ISO 7779 <input type="checkbox"/> ECMA-74 <input type="checkbox"/> Other (only if not covered by ECMA-74)					
Electromagnetic emissions					
P10.4	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program(s):		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P12 Ergonomics for computing products					
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P12.2*	The physical input device meets the requirements of ISO 9995 and ISO 9241-410.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13 Packaging and documentation					
P13.1*	Product packaging material type(s):	weight (kg):			
	Product packaging material type(s):	weight (kg):			
	Product packaging material type(s):	weight (kg):			
P13.2*	Product plastic primary packaging is free from PVC.		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	For product primary corrugated fiberboard packaging, specify the contained percentage of minimum post-consumer recovered fiber content: %				<input type="checkbox"/>
P13.4*	Specify media for user and product documentation (tick box): Electronic <input type="checkbox"/> , Paper <input type="checkbox"/> , Other <input type="checkbox"/>				<input type="checkbox"/>
P13.5	(Please only complete this item if paper documentation used) User and product documentation on paper media is chlorine-free: If Yes, please specify: Totally chlorine-free Elemental chlorine-free Processed chlorine-free		<input type="checkbox"/>	<input type="checkbox"/>	
P14 Voluntary programs					
P14.1	The product meets the requirements of the following voluntary program(s):				
	ENERGY STAR®	Criteria version:	Date:	Product category:	
	Eco-label:	Criteria version:	Date:	Product category:	
	Eco-label:	Criteria version:	Date:	Product category:	
P15 Additional information (See NOTE B10)					
P9	Energy consumption of computer products; description of the tested product configuration:				

NOTE B9 A Guidance document on Acoustic Noise is available;
see <http://www.ecma-international.org/publications/standards/Ecma-370.htm>.

NOTE B10 Additional lines may be inserted to declare further items, by positioning the cursor at the far right of the row and hitting the <Enter> key.

Legal references Europe Annex B2

Reference	Declaration item
Directive 2011/65/EU (RoHS Directive)* * Specific exemptions apply for certain products and applications.	P1.1
Regulation (EC) 1907/2006(REACH, Annex XVII)	P1.2, P1.4, P1.6, P1.7
Regulation (EC) 2037/2000, 2038/2000, 2039/2000 (Marketing and use of Ozone layer depleting substances)	P1.3, P5.3
Norwegian regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P1.5
Directive 2013/56/EC (Battery and accumulators Directive) * * These provisions shall not apply where, for safety, performance, medical or data integrity reasons, continuity of power supply is necessary and requires a permanent connection between the appliance and the battery or accumulator.	P2.1, P2.2, P2,3, P8.1
Directive 2006/95/EC (Low Voltage Directive)	P3.1
Directive 2004/108/EC (EMC Directive)	P3.1
Directive 1999/5/EC (R&TTE Directive)	P3.1
Regulation (EC) 801/2013 amending Regulation (EC) No 1275/2008 with regard to ecodesign requirements for standby, off mode electric power consumption of electrical and electronic household and office equipment, and amending Regulation (EC) No 642/2009 with regard to ecodesign requirements for televisions	P3.1, P3.2
Regulation (EC) No 1272/2008 (CLP Regulation)	P7.19
Directive 2004/12/EC (Packaging Directive)	P5.1
Decision 97/129/EC (Secondary packaging legislation)	P5.2
Directive 2012/19/EU (WEEE directive)	P6.1

Annex C (informative)

Verification documentation

The tables below list the verification documents that should be made available (either electronically, e.g. available on a public web-site, or in a printed form) in accordance with item [6.2](#) of this Standard.

For Annex A

Company environmental profile - Legal requirements	
Item	Verification documentation
C1	Product recycling
C1.1	Contract with third-party or signed letter with company system description
C2	Battery recycling
C2.1	Contract with third-party or signed letter with company system description
C3	Packaging recycling
C3.1	Contract with third-party or signed letter with company system description
Company environmental profile - Market requirements	
Item	Verification documentation
C4	Environmental policy and environmental management
C4.1	Document signed by management
C4.2	Third-party party certificate or document signed by management
C4.3	Environmental report
C5	Recycling
C5.1	Documents proving this claim and documents provided with the product in printed or electronic format
C6	Voluntary programs
C6.1	Document that proves the claim, reference to web page
C7	Additional information
	Document that proves the claim, reference to web page

For annexes B1 and B2

Product environmental attributes - Legal requirements	
Item	Verification documentation
P1 Hazardous substances in the product	
P1.1- P1.7	Letter signed by a competent person, product assurance or similar position
P2 Batteries	
P2.1- P2.3	Letter signed by a competent person, product assurance or similar position
P3 Electrical safety, EMC and connection to the telephone network	
P3.1- P3.2	Declaration of Conformity (DoC)
P4 Consumable materials	
P4.1- P4.3	Letter signed by a competent person, product assurance or similar position and Material Safety Data Sheet (MSDS), if applicable
P5 Packaging materials	
P5.1- P5.3	Letter signed by a competent person, product assurance or similar position
P6 Treatment information	
P6.1	Letter signed by a competent person, product assurance or similar position

Product environmental attributes - Market requirements	
Item	Verification documentation
P7 Environmental conscious design	
P7.1- P7.22	Letter signed by a competent person, product assurance or similar position
P8 Batteries	
P8.1	Letter signed by a competent person, product assurance or similar position
P9 Energy consumption	
P9.1	Test report signed by a competent person, product assurance or similar position
P9.2	Documents provided with the product such as the user manual
P9.3	Letter signed by a competent person, product assurance or similar position
P10 Emissions	
P10.1	Test report from either: <ul style="list-style-type: none"> • an accredited test laboratory • a laboratory meeting ISO/IEC 17025 • a laboratory following any other laboratory quality standard or guidelines
P10.2	Letter signed by a competent person, product assurance or similar position or reference to official website of the program proving the claim
P10.3	Test report according to ECMA-328 or other standard
P10.4	Test report either from an accredited test laboratory or a laboratory meeting ISO/IEC 17025
P11 Consumable materials for printing products	
P11.1	Safety Data Sheet (SDS)
P11.2- P11.4	Letter signed by a competent person, product assurance or similar position
P12 Ergonomics for computing products	
P12.1	Test report either from an accredited test laboratory or a laboratory meeting ISO/IEC 17025
P12.2	Letter signed by a competent person, product assurance or similar position
P13 Packaging and documentation	
P13.1- P13.5	Letter signed by a competent person, product assurance or similar position
P14 Voluntary programs	
P14.1	Document that proves the claim, reference to web page
P15 Additional information	
	Document that proves the claim, reference to web page

