Nordic Ecolabelling of Audiovisual equipment

Final review proposal

Version 5.0

Nordic Ecolabelling

In November 1989, the Nordic Council of Ministers adopted a measure to implement an official voluntary ecolabelling scheme, the Swan. The organizations/companies listed below administer the Nordic Ecolabelling schemes on assignment from their national governments.

For further information, please visit the respective Web sites:

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This document may be copied only in its entirety and without any type of change.

Quotations may be made provided that Nordic Ecolabelling is stated as the source.

This document is a translation of an original in Swedish. In case of dispute, the original document should be taken as authoritative.

Nordic Ecolabelling of Audiovisual equipment

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What is a Nordic Ecolabelled Audiovisual equipment?

A Nordic Ecolabelled audiovisual equipment means:

- reduction of environmental influence by requirements on low energy consumption
- reduction of environmental influence by strict requirements on the use of hazardous substances, additives and hazardous polymers
- reduction of environmental influence by prohibition on mercury occurrence
- reduction of environmental influence by requirements on packaging material

Why choose the Nordic Ecolabel?

- The manufacturer may use the Nordic Ecolabel trademark, the Swan, for marketing. The Nordic Ecolabel is a very well-known and well-reputed trademark in the Nordic region.
- The Nordic Ecolabel is a cost-effective and simple way of communicating environmental work and commitment to customers and suppliers.
- Reducing environmental impact often creates scope for lowering costs, such as by cutting the consumption of energy and reducing amounts of packaging and waste.
- Environmentally suitable operations prepare for future environmental legislation.
- Environmental issues are complex. It can take a long time and extensive resources to gain an understanding of a specific area. Nordic Ecolabelling can be seen as aid in this work.
- The Nordic Ecolabel not only covers environmental issues but also quality requirements, since the environment and quality often go hand in hand. This means that a Nordic Ecolabel licence can also be seen as a mark of quality.

What can carry the Nordic Ecolabel?

In order to be awarder the Nordic Ecolabel the product must fall within products listed below:

- Television-sets (TV-sets), and
- Projectors

Extra equipment that is delivered with the products (i.e. remote controls) shall follow the requirements.

All equipment with Cathod Ray Tubes (CRT)-displays are excluded.

If the development towards new technology processds in such a way that products not listed above can be considered for ecolabelling, the product definition may be changed.

In order to do this, a formal request has tho be sent to any of the official bodies listed in the beginning of the document. The manufacturer of importer shall provide document-tation that states that theior product is considered to be environmentally more sound than similar products in their fild of technology. If Nordic Ecolabelling consideres it relevant, the criteria document can be extended with specific requirements for new appliances.

How to apply

Each requirement is marked with the letter R (requirement) and a number. All requirements, except for specific requirements that do not apply to its catergory of products, must be fulfilled to be awarded a licence.

The requirements section can also be used as a checklist. Each requirement is followed by two checkboxes – Yes and No – to indicate whether the requirement is met.

Icons in the text

The text describes how the applicant shall demonstrate fulfilment of each requirement. There are also icons in the text to make this clearer. These icons are:

✉ Enclose

☺ The requirement checked on site

Application

Applications are made to the national ecolabelling organisation and the application is valid for 12 months. Applications may be processed by another ecolabelling organisation according to agreement between the organisations. The applicant is notified of this. Companies located outside the Nordic countries make applications to the national ecolabelling organisation of the primary market.

The application must consist of a completed application form together with all of the documentation required to demonstrate compliance with the requirements specified in the criteria document (this is specified for each requirement). The application form must specify in which Nordic countries the products in question are to be sold and the estimated turnover from the products in each country.

Further information and assistance may be available. Visit the relevant national website for information.

Sales in the Nordic region

Once granted, a licence is valid throughout the Nordic region. The licence document specifies in which Nordic countries the products are sold according to the information provided on the application. The products are published on Nordic Ecolabelling's website(s). The licensee undertakes to inform Nordic Ecolabelling of any changes as to where the product is sold. If the product is to be sold in other Nordic countries than those initially specified in the application, the licensee must provide written notification of this and submit any extra documentation required to Nordic Ecolabelling in the country that issued the license.

On-site inspection

In connection with handling of the application, Nordic Ecolabelling normally performs an on-site inspection to ensure adherence to the requirements. For such an inspection, data used for calculations, original copies of submitted certificates, test records, purchase statistics, and similar documents that support the application must be available for examination.

Costs

An application fee is charged to companies applying for a licence. There is an additional annual fee based on the turnover of the audiovisual equipments carrying the Nordic Ecolabel.

Enquiries

Please contact Nordic Ecolabelling if you have any queries or require further information. See page 2 for addresses.

What are the requirements of Nordic Ecolabelling?

To be awarded a Nordic Ecolabel licence, all requirements must be fulfilled.

1 Environmental requirements

1.1 Energy and power consumption

R1 Specific requirement for Televisions

All products shall have a hard or soft on-off switch.

☒ Declaration from the manufacturer of the audiovisual equipment, that the requirement is fulfilled.

☒ Photographic or descript evidence regarding the on-off switch.

R2 Passive Standby for Televisions

The product shall meet the requirements for power consumption in standby and off mode according to current Ecodesign regulation (EC) No 642/2009.

☒ Test report and calculations according to (EC) No 642/2009, Ecodesign requirement regulation for televisions.

R3 Energy efficiency

The product shall meet the requirement for Energy Efficiency Class A+ in the current Energy Labelling Regulations (EU) No 1062/2010 for all screen sizes.

☒ Test report and calculations according to (EU) No 1062/2010, Energy Labelling of televisions that verifies Energy Efficiency Index (EEI).

R4 Specific requirement for Projectors

- The projector shall have a ”Eco Mode”.
- It must be possible to set the projector to automatically go into Standby mode after a specified period of time when the video or computer interface is disabled.
- Standby power consumption shall be 0,5 W or less for every model. However, this item is not applicable on the network latency.
- Power consumption in use shall conform to the criteria in the table below.

Effective Flux (Brightness) x[lm*]	Power consumption [W]	Reference Model
x<2500	≤0.085[W/lm]×x[lm]+ 80[W]	2000lm:250W
2500≤x<3000	≤0.077[W/lm]×x[lm]+ 80[W]	2500lm:272W
3000≤x<3500	≤0.070[W/lm]×x[lm]+ 80[W]	3000lm:290W
3500≤x<4000	≤0.060[W/lm]×x[lm]+ 90[W]	3500lm:300W
4000≤x<5000	≤0.060[W/lm]×x[lm]+110[W]	4000lm:350W
5000≤x<6000	≤0.060[W/lm]×x[lm]+160[W]	5000lm:460W
x≥6000	≤0.060[W/lm]×x[lm]+220[W]	6000lm:580W

** lm = ANSI Lumen according to IEC 61947-1 and IEC 61947-2*

Note that in the case of a wide projector, short focus projector or products using 2 or more lamps on the light source, a reference value of power consumption shall be calculated by multiplying a coefficient per brightness [lm] by each of the following values:

A value to multiply for the wide projector α:1.1

A value to multiply for the short focus projector β:1/cosθ (β shall be up to 1.3).

θ=Injection angle: Angle of a horizontal line passing through the center of a projector lens (mirror) and the center of a project screen

A value to multiply for products using 2 or more lamps on the light source γ:1.5

Power consumption shall be measured in a normal mode (with maximum brightness) with no other function such as voice, etc. set.

(Example) Conversion expression when brightness is 6000 ≥ lm and functions of both a wide projector and short focus projector are equipped and using 2 lamp as a light source:

≤0.060[W/lm]×x[lm]×α×β×**γ**+ 220[W]

Standby power consumption shall be 0,5W or less for every model. However, this item is not applicable on the network latency.

✉ Declaration from the projector manufacturer, showing that the requirement of "Eco-mode" and automatic stand-by mode is fulfilled.

✉ A test report shall be provided by the applicant to demonstrate that the product meets the requirement. The product shall be tested for its power consumption in its condition as delivered to the customer, according to the latest version of IEC62087. Test institute/analysis laboratory shall fulfill the requirements in appendix 2.

1.2 Hazardous materials

R5 Flame retardants

Flame retardants are assessed on flame retardant product level, i.e. not on their individual ingredient level.

The use of flame retardants that can be assigned one or more of the following risk phrases at the time of application, in accordance with EU chemical legislation, is prohibited:

- H350 (R45) (may cause cancer)
- H340 (R46) (may cause heritable genetic damage)
- H360F (R60) (may impair fertility)
- H360D (R61) (may cause harm to the unborn child).
- H400 and H410 (R50/53) (Very Toxic To Aquatic Organisms, May Cause Long-Term Adverse Effects In The Aquatic Environment)
- H411 (R51/53) (Toxic To Aquatic Organisms, May Cause Long-Term Adverse Effects In The Aquatic Environment)

Plastic parts must not contain halogenated organic flame retardants.

The maximum permitted concentration for impurities is 0.1 % by weight in homogenous material.

The manufacturer of the flame retardant must certify that there are reasonable grounds for concluding that the flame retardant used cannot be considered to have the health and environmental effects according to the risk phrases listed above.

Exempted from the requirement are:

- Printed circuit boards. These parts must not, however, contain any PBB (polybrominated biphenyls), PBDE (polybrominated diphenyl ethers), decaBDE or chlorinated paraffins (maximum permitted concentration for impurities is 0.1 % by weight in homogenous material).
- Plastic parts <25 g. These parts must not, however, contain any PBB (polybrominated biphenyls), PBDE (polybrominated diphenyl ethers), decaBDE or chlorinated paraffins (maximum permitted concentration for impurities is 0.1 % by weight in homogenous material).

✉ The manufacturer of the audiovisual equipment must provide a list of plastics used in plastic parts >25 g in the product by filling out Appendix 3 – Plastics in audio visual equipment, Manufacturer´s Declaration.

✉ The plastic manufacturer must provide a list with flame retardants used in plastic parts >25g, by filling out Appendix 4 – Flame retardants in plastics, Plastic manufacturer´s declaration.

✉ The manufacturer of flame retardants, used in plastic parts >25g, must certify that the requirements are fulfilled by filling out Appendix 5 – Flame retardant manufacturer´s declaration and submit an MSDS for each flame retardant.

Confidential information can be sent directly to the Nordic Ecolabel.

R6 Chlorine-based plastics

Plastic parts >25g must not contain chlorinated polymers.

✉ Declaration from the manufacturer of audiovisual equipment, showing that the requirement is fulfilled.

R7 Phthalates in the external power cable

The external power cable delivered with the audiovisual equipment should be free from the phthalates listed in the following table:

Substance:	**CAS-nr:**
Diisoheptyl phthalate	71888-89-6
Butyl benzyl phthalate (BBP)	85-68-7
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4
Dibutyl phthalate (DBP)	84-74-2
Bis(2-ethylhexyl) phthalate (DEHP)	117-81-7
Diisobutyl phthalate (DIBP)	84-69-5
Bis(2-methoxyethyl) phthalate	117-82-8

The maximum permitted concentration for impurities is 0.1 % by weight in homogenous material.

✉ Declaration from the manufacturer of the cable showing that the requirement is fulfilled.

R8 Mercury content in back-lit LCD displays and projector lamp

The background light in the TV-screen must not have any mercury (Hg) content.

The lamp for projectors cannot contain mercury (Hg).

The producer shall describe the technique used.

✉ A declaration from the manufacturer of the audiovisual equipment showing that the requirement is fulfilled.

✉ The manufacturer of the audiovisual equipment shall also describe the technique used.

R9 Declaration of nitrogen trifluoride (NF_3) emission during TFT-cell production

The manufacturer of the TFT-cell shall declare the amount of NF_3 purchased in relation to amount of TFT-cell (m^2) produced over one year.

✉ Declaration from the manufacturer(s) of the TFT-cell, declared by production site.

✉ Confidential information can be sent directly to the Nordic Ecolabel.

1.3 Noise

R10 Noise limit for Projectors

The noise emission at normal mode shall satisfy the following levels:

Effective Flux (Brightness) x[lm*] and Weight of Product Main Body [kg]	**Noise [dB]**
x <5000 and y≤2	≤42
x <5000 and y>2	≤37
x ≥5000	≤48

** lm = ANSI Lumen according to IEC 61947-1 and IEC 61947-2*

The sound power level must be measured in accordance with ISO 7779 and declared in accordance with ISO 9296. If the sound power level measurement is carried out on one appliance only the factor K = 3,0 dB(A) shall be added to the measured value. The factor K allows for measurement errors when the same device is tested using the same method at different conditions and for deviations in production.

✉ A test report shall be provided by the applicant to demonstrate that the product meets the requirement. Test institute/analysis laboratory shall fulfill the requirements in appendix 2.

1.4 Design

R11 Dismantling

The manufacturer shall demonstrate that the product can be easily dismantled by professionally trained recyclers, using the tools usually available to them, for the purpose of:

- undertaking of repairs and replacements of worn-out parts
- upgrading older or obsolete parts
- separating parts and materials, ultimately for re-cycling.

✉ To facilitate the dismantling:

- Fixtures within the products shall allow for this disassembly, e.g. screws, snap-fixes, especially of parts containing hazardous substances.
- Plastic parts shall be of one polymer or be of compatible polymers for re-cycling and have the relevant ISO11469 marking if >25g in mass.
- Metal inlays that cannot be separated shall not be used.
- Data on the nature and amount of hazardous substances in the television will be gathered in accordance with the Dangerous Substances Directive 67/548/EEC and its subsequent amendments and the Globally Harmonised System of Classification and Labelling of Chemicals (GHS).

✉ An exploded diagram of the product labelling the main components as well as identifying any hazardous substances in components. This can be in written or audio-visual format. Information regarding hazardous substances shall be provided in the form of a bill of materials identifying material type, quantity used and location, by filling out Appendix 6.

R12 Re-cycled material in packaging

When cardboard boxes are used, they shall be made of at least 80 % post-consumer re-cycled material. Only primary packaging, as defined in Directive 94/62/EC, is subject to the requirement.

✉ Declaration from audiovisual equipment manufacturer showing that the requirement is fulfilled.

R13 Plastic materials in packaging

Plastic materials used as packaging material must not consist of, or contain, halogenated organic substances.

✉ Declaration from audiovisual equipment manufacturer showing that the requirement is fulfilled, by filling out Appendix 7.

✉ Description of the packaging materials used.

1.5 Customer information/life-time extension

R14 Requirements regarding life-time extension

The manufacturer shall offer a commercial guarantee to ensure that the product will function for at least two years. This guarantee shall be valid from the date of delivery to the customer.

The availability of compatible electronic replacement parts shall be guaranteed for seven years from the time that production ceases.

This shall be written in the electronic and/or printed product fact sheet.

✉ Declaration from the manufacturer of the audiovisual equipment showing that the requirement is fulfilled.

✉ Enclose written electronic and/or printed product fact sheet.

R15 Operating instructions

The product shall be sold with relevant user information that provides advice on its proper environmental use. The information shall be located in a single, easy-to-find place in the user instructions as well as on the manufacturer's website. The instructions for use must be in the official languages in the Nordic country where the Nordic Ecolabelled product is on sale.

The information will include but not be limited to:

1. The product's power consumption information in the various modes; on, off and passive standby.
2. Average annual energy consumption, following EICTA guidelines.

How to reduce power consumption when the product is not being used by being energy efficient, covering at least:

3. Using the on/off-switch will reduce energy use to zero (where one is fitted)
4. Putting the product into a standby mode, (e.g. passive standby or deep sleep) will reduce energy consumption, but will still draw some power
5. Turning the product off at the wall will reduce energy use to zero for all products, and is recommended when the product is not being used for a long time, e.g. when on holiday
6. For television: reducing the brightness of the screen will reduce energy use
7. For projectors: there must be a description that explains how the projector is put in to "Eco mode"
8. Energy efficiency reduces energy consumption and thus saves money by reducing electricity bills
9. Repair information regarding who is qualified to repair products, including contact details as appropriate
10. End-of-life instructions for the proper disposal of televisions at civic amenity sites or through retailer take-back schemes as applicable to be compliant with the WEEE Directive,

Information that the product has been awarded the Nordic Ecolabel with a brief explanation as to what this means together with an indication that more information on the ecolabel can be found at the web-site address on page 2.

Waste Electrical and Electronic Equipment (WEEE) Directive 2002/96/EC and 2003/108/EC

✉ Declaration from the manufacturer of the audiovisual equipment showing that the requirement is fulfilled.

✉ A copy of the instruction manual.

1.6 Code of conduct

R16 Code of conduct

The license holder must have a code of conduct in place in accordance with the ten principles provided for in the United Nations Global Compact.

The license holder must ensure that the code of conduct is communicated to all suppliers/subcontractors together with a request that these should also comply with a code of conduct that follows the ten principles provided for in the United Nations Global Compact.

NB: The principles embodied in the United Nations Global Compact include the following: human rights, employee rights, environmental protection and anti-corruption safeguards. Further information can be found at http://www.unglobalcompact.org

✉ Copy of the license holder's "Code of Conduct".

✉ Description of the way in which subcontractors and producers are notified of the license holder's code of conduct and of the license holder's request that they have a code of conduct in place that follows the ten principles in the United Nations Global Compact.

2 Quality and regulatory requirements

To ensure that Nordic Ecolabel requirements are fulfilled, the following procedures must be implemented.

If the manufacturer´s environmental management system is certified to ISO 14 001 or EMAS, and the following procedures implemented, it is sufficient for the accredited auditor to certify that the requirements are observed.

R17 Nordic Ecolabel licence contact

The company shall appoint a person responsible for ensuring the fulfilment of Nordic Ecolabel requirements, and a contact person for communications with Nordic Ecolabelling. Preferably, this should be the same person.

✉ A chart of the company's organizational structure detailing who is responsible for the above.

R18 Documentation

The licensee must be able to present a copy of the application, and factual and calculation data supporting the documents submitted on application (including test reports, documents from suppliers and suchlike).

☺ Checked on site.

R19 Quality of the product

The licensee must guarantee that the quality in the production of the Nordic Ecolabelled audiovisual equipment is maintained throughout the validity period of the licence.

✉ Procedures for collating and, where necessary, dealing with claims and complaints regarding the quality of the Nordic Ecolabelled audiovisual equipment.

R20 Service and support

The licensee shall offer the possibility of service and support in the official Nordic language where the Nordic Ecolabelled product is sold.

✉ Description of service and support organisation.

R21 Planned changes

Written notice must be given to Nordic Ecolabelling of planned changes in products and markets that have a bearing on Nordic Ecolabel requirements.

✉ Procedures detailing how planned changes in products and markets are handled.

R22 Unplanned nonconformities

Unplanned nonconformities that have a bearing on Nordic Ecolabel requirements must be reported to Nordic Ecolabelling in writing and in a journal.

✉ Procedures detailing how unplanned nonconformities are handled.

R23 Traceability

The licensee must have a traceability system for the production of the Nordic Ecolabelled audiovisual equipment.

✉ Description of/procedures for the fulfilment of the requirement.

R24 Take-back system

Relevant national producer responsibility regulations, legislation and/or agreements within the sector regarding the recycling systems for products and packaging shall be met in the Nordic countries in which the Nordic Ecolabelled audiovisual equipment are marketed.

✉ Declaration from the applicant regarding adherence to existing recycling/take-back agreements.

R25 Legislation and regulations

The licensee must guarantee adherence to safety and EMC regulations, working environment legislation, environmental legislation and conditions/concessions specific to the operations at all sites where the Nordic Ecolabelled product is manufactured. Additionally the licensee must guarantee adherence to product-specific regulations in all the Nordic countries where the product is sold.

No documentation is required, but Nordic Ecolabelling may revoke the license if the requirement is not fulfilled.

R26 Marketing

Marketing of the Nordic Ecolabelled audiovisual equipment must comply with the latest version of "Regulations for Nordic Ecolabelling".

✉ Appendix 1 duly completed.

Marketing

The Nordic Ecolabel is a very well-known and well-reputed trademark in the Nordic region. Nordic Ecolabelled products and services may be marketed using the Nordic Ecolabel so long as the associated licence is valid.

The label must be positioned so that there is no doubt as to what the label refers and so that it is clear that the audiovisual equipment is ecolabelled.

More information on marketing can be found in "Regulations for the Nordic Ecolabelling of products" 22 June 2011 or later versions.

Design of the Nordic Ecolabel

Design of the Nordic Ecolabel:



licence number

Each licence has a unique six-figured licence number that must be displayed along with the label.

More information on the design of the label can be found in "Regulations for the Nordic Ecolabelling of products" 22 June 2011 or later versions.

Follow-up inspections

Nordic Ecolabelling may decide to check whether the audiovisual equipment fulfils Nordic Ecolabel requirements during the licence period. This may involve a site visit, random sampling or similar test.

The licence may be revoked if it is evident that audiovisual equipment does not meet the requirements.

How long is a licence valid?

The ecolabel licence is valid providing the criteria are fulfilled and until the criteria expire. The validity period of the criteria may be extended or adjusted, in which case the licence is automatically extended and the licencee informed.

Revised criteria shall be published at least one year prior to the expiry of the present criteria. The licencee is then offered the opportunity to renew their licence.

New criteria

In the upcoming revision of the criteria for Audiovisual equipment the following requirements will be revised:

- Limit value for NF3 used in LCD-display/TFT-cell production
- Regulations to minimize the risk of use of "conflict metals" in electronics
- Evaluate the feasibility in a "white list"-approach for plastics additive approval
- Ban of PVC and phthalates in all plastic parts
- Revision of projectors requirement (energy and noise)
- Requirements for halogen-free cables

Appendix 1

Marketing of Nordic Ecolabelled Audiovisual equipment (R26)

We hereby certify that we are well acquainted with the regulations governing the use of the Nordic Ecolabel, as detailed in "Regulations for the Nordic Ecolabelling of products" 22 June 2011 or later versions. We agree to follow these regulations when marketing the Nordic Ecolabelled audiovisual equipment.

Further, we confirm that we are familiar with the criteria document regarding the Nordic Ecolabelling of audiovisual equipment.

We undertake to advise those individuals within the company involved in marketing the Nordic Ecolabelled audiovisual equipment of the criteria for the Nordic Ecolabelling of audiovisual equipment and "Regulations for the Nordic Ecolabelling of products" 22 June 2011 or later versions.

Location and date	Company
Contact person	Phone
Marketing director	Phone

In case of a change in personnel, a new declaration must be submitted to Nordic Ecolabelling

Appendix 2
Requirements on thest institute/analysis laboratory

The analysis laboratory used shall fulfil the general requirements of standard EN ISO 17025 or have official GLP status.

The applicant shall bear the costs of documentation and analysis.

The applicant's analysis laboratory/test procedure may be approved for analysis and testing if:

- sampling and analysis is monitored by the authorities, or
- the manufacturer's quality assurance system covers analyses and sampling and is certified to ISO 9001, or
- the manufacturer can demonstrate agreement between a first-time test conducted at the manufacturer's own laboratory and testing carried out in parallel at an independent test institute, and the manufacturer takes samples in accordance with a fixed sampling schedule.

Appendix 3

Plastics in audio visual equipment, Manufacturer's Declaration (R5)

Type of product for which the Nordic Ecolabel is sought:

Type:_____

Name of product:_____

To be completed by the applicant and sent to Nordic Ecolabelling.

Listed below are all plastic parts >25 g in the product.

List of all plastic parts >g 25 in the product

Plastic Manufacturer	**Trade name of plastic**	**Used in component:**	**Supplied by:**

Audiovisual equipment manufacturer:

Location and date	Company
Name in block capitals	Phone
Contact person, signature	

Appendix 4

Flame retardants in plastics, Plastic manufacturer's Declaration (R5)

To be completed by the applicant and the manufacturer of the plastic product(s) and sent to Nordic Ecolabelling.

We the manufacturer of the plastic(s) declares that the plastic(s) listed below in the table do not contain other flame retardants than those declared in the same table.

Nordic Ecolabelling must be informed in forehand if any changes to the plastic are made regarding the flame retardants.

List of flame retardants

Plastic´s trade name	Trade name of flame retardant in plastics	Flame retardant´s CAS no.	Manufacturer of flame retardant

Plastic manufacturer

Location and date	Company
Name in block capitals	Phone
Contact person, signature	

Other information:

This information can be submitted directly from the manufacturer of the flame retardant/plastic.

A declaration of confidentiality can be drawn up between the manufacturer of the flame retardant/plastic and Nordic Ecolabelling.

Appendix 5

Flame retardants, Flame retardant Manufacturer´s Declaration (R5)

To be completed by the manufacturer of the flame retardant and sent to Nordic Ecolabelling.

We hereby declare that (name and CAS number of the flame retardant)

_____

is not a halogenated flame retardant and may not be assigned, at the time of application, any of the risk phrases: H350 (R45); H340 (R46); H360F (R60); H360D (R61), H400 and H410 (R50/53) or H411 (R51/53) as defined according to Regulation (EC) No 1272/2008 or as defined according to the Directives 67/548/EEC and 1999/45/EEC.

The maximum permitted concentration for impurities is 0.1 % by weight in homogenous material.

Background information on not classifying the flame retardant according to risk phrases H350 (R45); H340 (R46); H360F (R60); H360D (R61), H400 and H410 (R50/53) or H411 (R51/53) shall be specified below with appropriate information. ("No data available" is not accepted):

_____

_____

_____

_____

_____

_____

_____

Flame retardant´s manufacturer:

Location and date	Company
Name in block capitals	Phone
Contact person, signature	

Appendix 6
Dismantling, Manufacturer´s Declaration (R11)

Type of product for which ecolabelling is applied:

Name of product/products:_____

R 11	Are metal inlays that not can be separated used?	☐ Yes	☐ No
R 11	Are all plastic parts weighing more than 25 grams marked in accordance with ISO 11 469?	☐ Yes	☐ No
R 11	Are the fasteners in the product designed to allow for disassembly, for example, screws, snap fasteners?	☐ Yes	☐ No
R 11	Does plastic parts consisting of one polymer or compatible polymers to facilitate recovery?	☐ Yes	☐ No

Audiovisual equipment manufacturer:

Location and date	Company
Name in block capitals	Phone
Contact person, signature	

Appendix 7

Plastic material in packaging, Manufacturer´s Declaration (R13)

Type of product to be ecolabelled:

Model/Type: _____

R14 Do the plastics used for packaging the equipment contain halogenated organic substances? ☐ Yes ☐ No

Audiovisual equipment manufacturer:

Location and date	Company
Name in block capitals	Phone
Contact person, signature	