



**DRAFT**  
**Appendices for Imaging Equipment**  
Version 1.0 •



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 Swan ecolabelling schemes on assignment from their national governments.

For further information, please visit the respective Web sites:

Finland:

SFS Ecolabelling  
Pb 116  
FI-00241 HELSINGFORS  
Tel: +358 9 1499 331  
Fax: +358 9 1499 3320  
[www.ecolabel.fi](http://www.ecolabel.fi)  
[joutsen@sfs.fi](mailto:joutsen@sfs.fi)

Ecolabelling Denmark:  
Danish Standard  
Kollegievej 6  
DK-2920 CHARLOTTENLUND  
Tel: +45 72 300 450  
Fax: +45 72 300 451  
[www.ecolabel.dk](http://www.ecolabel.dk)  
[info@ecolabel.dk](mailto:info@ecolabel.dk)

Norway:  
Ecolabelling Norway  
Tordenskiolds gate 6 B  
NO-0160 OSLO  
Tel: +47 24 14 46 00  
Fax: +47 24 14 46 01  
[www.ecolabel.no](http://www.ecolabel.no)  
[info@ecolabel.no](mailto:info@ecolabel.no)

Iceland:  
Ecolabelling Iceland  
Umhverfisstofnun  
Suðurlandsbraut 24  
IS-108 REYKJAVIK  
Tel: +354 591 20 00  
Fax: +354 591 20 20  
[www.svanurinn.is](http://www.svanurinn.is)  
[audurj@ust.is](mailto:audurj@ust.is)

Sweden:  
SIS Ecolabelling AB  
SE-118 80 STOCKHOLM  
Tel: +46 8 55 55 24 00  
Fax: +46 8 55 55 24 01  
[www.ecolabel.se](http://www.ecolabel.se)  
[svanen@ecolabel.se](mailto:svanen@ecolabel.se)

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.

## **Appendices for imaging equipment Version 1.0**

- Appendix 1     Marketing of Swan-labelled imaging equipment, (R35)**
- Appendix 2     Guidelines for applicants already holding the Eco Mark**
- Appendix 3     Guidelines for applicants already holding the Blue Angel**
- Appendix 4     Requirements as to power consumption, (R4) and emissions (R23)**
- Appendix 5     Design and materials, Declaration (R5-R11)**
- Appendix 6     Plastics in casing and their components, Declaration (R12).**
- Appendix 7     Declaration from the manufacturer of plastics, Declaration, (R12 and R13)**
- Appendix 8     Other dangerous substances, Declaration (R14, R15, R17, R18)**
- Appendix 9     Other dangerous substances, Declaration (R16)**
- Appendix 10    Other environmental requirements, Declaration (R19 and R20)**

## **Appendices for Imaging Equipment**

All appendices that can be used when applying for a Nordic Swan license for imaging equipment are collected in this document.

Appendices 1-10 may be used as a documentation aid when applying for a licence, but this is not mandatory.

### **Enquiries**

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

## **Appendix 1                      Marketing of Swan-labelled imaging equipment, (R35)**

We hereby certify that we are familiar with the regulations governing the use of the Nordic Swan ecolabel, as detailed in "Rules on Nordic Ecolabelling" 12 December 2001 or later versions. We agree to follow these regulations when marketing the Swan-labelled imaging equipment.

Further, we confirm that we are familiar with the criteria document regarding the Swan labelling of imaging equipment.

We undertake to advise those individuals within the company involved in marketing the Swan-labelled product of the criteria for the Swan labelling of imaging equipment and "Regulations for Nordic Ecolabelling" 12 December 2001 or later versions.

---

Date and place	Company
----------------	---------

---

Signature, contact person

---

Name in block capitals	Tel.
------------------------	------

---

Signature, marketing director

---

Name in block capitals	Tel.
------------------------	------

In the event of personnel changes, a new declaration must be submitted to Nordic Ecolabelling.

## **Appendix 2 Guidelines for applicants already holding the Eco Mark**

Appendix 2 gives guidelines for applicants wishing to apply for a licence under the Swan, version 5.0, and who already hold an ecolabel under Eco Mark (117 Copiers, version 2.2 and 122 Printers, version 2.0)

In this criteria document, Imaging Equipment version 5, the harmonisation schedule between the Swan and Eco Mark concerns the imaging equipment specified in the criteria.

The Swan criteria; version 5, are largely fully harmonised, i.e. covered by Eco Mark. Some requirements are not harmonised and are found only in version 5 of the Swan criteria document. These requirements are mainly administrative and specific for the Nordic organisation of the company that applies for a license. See Section 4 in the criteria for imaging equipment.

If a Swan requirement is covered by an Eco Mark requirement, the applicant will have all documentation needed and can fill out and sign the specific declaration appendix in accordance with Appendix 2. If a Swan criterion is not covered by Eco Mark the applicant must send in all documentation in accordance with the Swan criteria.

### **Summary of documentation required from an applicant who already holds an Eco Mark:**

Swan requirements fully covered by Eco Mark: R1-R24	For these requirements an applicant that already has a product ecolabelled with the Eco Mark must sign Appendix 2 and submit a copy of a valid Eco Mark licence.
Swan requirements not covered by Eco Mark: R25-35	For these requirements an applicant that already has a product ecolabelled with the Eco Mark must send in all required documentation in accordance with the criteria and as specified in Appendix 2, see next page.

To qualify for a licence the applicant must submit all documentation as specified in this appendix. If the Swan or Eco Mark revise their criteria document this appendix must be up-graded in accordance with the changes.

**Product already holding an Eco Mark licence**

**Type of product:**

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator             Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

Is copy of a valid Eco Mark licence submitted in the application?     Yes             No

Place and date
Applicant's signature
Name in block capitals

**Supplementary documentation:**

Swan version 5.0	Differences in requirements Swan versus Eco Mark	Following documentation must be submitted to Nordic Ecolabelling
R25-> R35 Quality and regulatory requirements for the Nordic organisation of the company that applies for a license:	Swan is not covered	Documentation in accordance with the requirements R24-32

## **Appendix 3                      Guidelines for applicants already holding the Blue Angel**

Appendix 3 gives guidelines for applicants wishing to apply for a licence under the Swan, version 5.0 and who already hold an ecolabel under Blue Angel (RAL-UZ 122, June 2006)

In this criteria document, Imaging Equipment version 5, the harmonisation schedule between the Swan and Blue Angel concerns the imaging equipment specified in the criteria.

The Swan criteria; version 5, are largely fully harmonised, i.e. covered by Blue Angel. Some requirements are not harmonised and are found only in version 5 of the Swan criteria document. These requirements are mainly administrative and specific for the Nordic organisation of the company that applies for a license. See Section 4 in the criteria for imaging equipment.

If a Swan requirement is covered by a Blue Angel requirement the applicant will have all documentation needed and can fill out and sign the specific declaration appendix in accordance with Appendix 3. If a Swan criterion is not covered by Blue Angel the applicant must send in all documentation in accordance with the Swan criteria.

### **Summary of documentation required from an applicant who already holds a Blue Angel:**

Swan requirements fully covered by Blue Angel: R1-R24	For these requirements an applicant that already has a product ecolabelled with the Blue Angel must sign Appendix 3 and submit a copy of a valid Blue Angel licence.
Swan requirements not covered by Blue Angel: R25-35	For these requirements an applicant that already has a product ecolabelled with the Blue Angel must send in all required documentation in accordance with the criteria and as specified in Appendix 2, see next page.

To qualify for a licence the applicant must submit all documentation as specified in this appendix. If the Swan or Blue Angel revise their criteria document this appendix must be up-graded in accordance with the changes.

**Product already holding a Blue Angel licence**

**Type of product:**

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator         Scanner                     Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

Is copy of a valid Blue Angel licence submitted in the application?       Yes       No

Place and date
Applicant's signature
Name in block capitals

**Supplementary documentation:**

Swan version 4	Differences in requirements Swan versus Blue Angel	Following documentation must be submitted to Nordic Ecolabelling
Quality and regulatory Requirements: R25 -R35	Swan is not covered	Documentation in accordance with the requirements

## **Appendix 4 Requirements as to power consumption, (R4) and emissions (R23)**

Summary of requirements, Blue Angel, (RAL-UZ 122, June 2006):

[http://www.blauer-engel.de/englisch/vergabe/download\\_uz\\_de/e-UZ-122.zip](http://www.blauer-engel.de/englisch/vergabe/download_uz_de/e-UZ-122.zip)

Summary of requirements, EcoMark, (117 Copiers, version 2.2 and 122 Printers, version 2.0): <http://www.ecomark.jp/english/index.html>

Summary of requirements (Only R4), Energy Star, (Imaging Equipment, April 2007):

[http://www.energystar.gov/index.cfm?c=ofc equip.pr\\_office\\_equipment](http://www.energystar.gov/index.cfm?c=ofc equip.pr_office_equipment)

## Appendix 5 Design and materials, Declaration (R5-R11)

### Type of product to be eco-labelled:

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator             Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

- |     |  |                              |                             |
|-----|--|------------------------------|-----------------------------|
| R5  | Are single plastic casing parts heavier than 25g made of a homopolymer or copolymer? Polymer blends (polymer alloy) are permitted.   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R6  | Are composed plastic casing parts heavier than 25g made of four or fewer types of mutually separable polymers or polymer blends?   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R7  | Is the variety of materials used for plastic components with similar functions limited to one polymer or polymer blends?   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R8  | Is at least one part heavier than 25 g made of reused plastic or recycled plastic (post-consumer recycling)?<br>Attach a list of all parts that are reused or made of recycled plastics. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R9  | Are all plastic parts heavier than 25 g or with flat area larger than 200 mm <sup>2</sup> labelled according to ISO 11469:2000?  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R10 | Are subassemblies made of mutually incompatible materials separable or connected by separation aids or are all materials used easily separable by means of recycling technology?         | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R11 | If used – are combined toner cartridges designed for reuse?  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R11 | If used – do products accept remanufactured toner cartridges?  | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

Place and date
Applicant's signature
Name in block capitals

**Appendix 6                      Plastics in casing and their components,  
Declaration (R12).**

**Type of product to be ecolabelled:**

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator                       Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

<b>List of plastic parts heavier than 25 g used in casing and their components in</b>				
<b>Component designation</b>	<b>Plastic manufacturer</b>	<b>Product name of plastic</b>	<b>Plastic marking</b>	<b>Shared of recycled material (weight %)</b>

Place and date
Applicant's signature
Name in block capitals

## Appendix 7 Declaration from the manufacturer of plastics, Declaration, (R12 and R13)

Plastics and additives in plastics in casings and their components

The manufacturer of the plastics declares that only flame-retardants listed in the table below will be used for ecolabelled products.

If new flame-retardants are to be introduced I/We will inform Nordic Ecolabelling and provide the necessary documentation.

### Type of product to be ecolabelled:

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator             Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

- |     |  |                              |                             |
|-----|--|------------------------------|-----------------------------|
| R12 | Do plastics parts heavier than 25 g in casing and their components contain chlorinated polymers?   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R13 | Do additives in plastic parts heavier than 25 g in casing and their components containing organohalogen compounds?   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R13 | Do plastics heavier than 25 g in casing and their components contain additives which are assigned one or more of the following risk phrases at the time of application:<br>R 40 (possible risk of cancer)<br>R45 (may cause cancer)<br>R46 (may cause heritable genetic damage)<br>R 48 (danger of serious damage to health by prolonged exposure)<br>R49 (may cause cancer by inhalation)<br>R60 (may impair fertility)<br>R61 (may cause harm to unborn child)<br>R62 (possible risk of impaired fertility)<br>R63 (possible risk of harm to unborn child) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| R13 | Do plastic parts lighter than 25 g contain any PBB (polybrominated biphenyls), PBDE (polybrominated diphenyl ethers) or chlorinated paraffins?   | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

### List of flame retardants

Trade name	Chemical name and CAS no.	Used in component:	Supplied by:

Location and date	Company
Signature of plastic manufacturer	Phone
Name in block capitals	

## Appendix 8 Other dangerous substances, Declaration (R14, R15, R17, R18)

### Type of product to be ecolabelled:

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator                       Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

- R14 Does the content of unavoidable impurities of cadmium, lead and mercury in materials exceed 0.01 w-%, 0.1 w-% and 0.1 w-% respectively?  Yes  No
- R15 Do the used batteries contain cadmium, mercury, lead, and their compounds?  Yes  No  
Exempted from this requirement are impurities which cannot be avoided technically. Such impurities must not exceed the limiting values as specified in the EU Battery Directives  
Manufacture declaration may be a supplement to this declaration.
- R17 Do the plastics used for packaging the equipment (including toner powder containers) contain chlorinated polymers??  Yes  No
- R18 Are the plastics used for packaging marked in accordance with the currently effective versions of the Packaging Directive 97/129/EEC?  Yes  No

Place and date
Applicant's signature

**Appendix 9  
(R16)**

**Other dangerous substances, Declaration**

This certificate shall be filled in by the manufacturer and direct suppliers (suppliers during the final stages of the supply chain).

**Type of product to be ecolabelled:**

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator             Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

- R16    Are any of the following solvents used in the end production of the devices and the machine: CFC, HCFC, 1,1,1,-trichloro-ethane or carbon tetrachloride?     Yes             No  
R16    Are any of the following solvents used in the production of circuits: CFC, HCFC, 1,1,1,- trichloro-ethane or carbon-tetrachloride?     Yes             No

Place and date
Applicant's signature
Name in block capitals

## Appendix 10 Other environmental requirements, Declaration (R19 and R20)

### Type of product to be eco-labelled:

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator                       Scanner                       Facsimile(Fax) Machine

Model/Type: \_\_\_\_\_

- R19 Is the supply of spare parts available for at least five years after the production of the imaging machine ends?       Yes       No

Requirements as to double-sided printing do not apply for fax machines or scanner.  
This form shall thus not be filled in for fax machines.

### Type of product to be ecolabelled:

- Copier                       Printer                       Multifunctional Device(MFD)  
 Digital Duplicator

Model/Type: \_\_\_\_\_

Printing/Photocopying Speed: \_\_\_\_\_ Pages per minute.

- R20 >45 copies/minute      Can the device make double-sided prints/copies?       Yes       No  
R20 20-44 copies/minute      Can the device be equipped with an extra module to permit double-sided printing/copying?       Yes       No

Place and date
Applicant's signature
Name in block capitals