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EUROPEAN COMMISSION

Brussels, xxx
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Draft

COMMISSION DECISION

of [...]

**on establishing the ecological criteria for the award of the EU Ecolabel for imaging
equipment devices**

(Text with EEA relevance)

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(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 66/2010 of the European Parliament and of the Council of 25 November 2009 on the EU Ecolabel¹, and in particular Article 8(2) thereof,

After consulting the European Union Eco-labelling Board,

Whereas:

- (1) Under Regulation (EC) No 66/2010, the EU Ecolabel may be awarded to those products with a reduced environmental impact during their entire life cycle.
- (2) Regulation (EC) No 66/2010 provides that specific EU Ecolabel criteria are to be established according to product groups.
- (3) The criteria aim, in particular, at promoting products that have a reduced environmental impact along their life cycle, which performance is resource efficient and energy efficient, and which contain a limited amount of hazardous substances. Since the main environmental impacts along the life cycle are related to the use of paper, energy consumption and the use of hazardous substances the products with improved performance on these aspects shall be promoted and therefore it is appropriate to establish EU Ecolabel criteria for this product group.
- (4) The new criteria, as well as the related assessment and verification requirements, should be valid for four years from the date of adoption of this Decision.
- (5) The measures provided for in this Decision are in accordance with the opinion of the Committee established by Article 16 of Regulation (EC) No 66/2010,

HAS ADOPTED THIS DECISION:

Article 1

The product group “imaging equipment” shall comprise products which are used in the office (private or professional) and their function is:

- i) to produce a printed image (paper document or photo) through a marking process either from a digital image (provided by a network/card interface) or from a hardcopy through a scanning/copying process or/and
- ii) to produce a digital image from a hard copy through a scanning/copying process.

¹ OJ L 27, 30.1.2010, p. 1-19

This decision applies to products which are marketed as printers, copiers and multifunctional devices (MFD). Other type of imaging equipment devices i.e. fax machines, digital duplicators, mailing machines, scanners are excluded from the scope of this decision.

Large products which are not typically used in household and office equipment with the following technical specifications:

- Standard Black and white format products with maximum speed over 66 A4 images per minute
- Standard Colour format products with maximum speed over 51 A4 images per minute
- Designed for A2 media and larger
- Products marketed as plotters

Speed to be rounded to the nearest integer as prescribed in the ENERGY STAR agreement.

are also excluded from the scope of this decision.

Article 2

For the purpose of this Decision, the following definitions shall apply:

A "*printer*" is a commercially available imaging product that serves as a hard copy output device, and is capable of receiving information from single-user or networked computers, or other input devices (e.g. digital cameras). The unit must be capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as printers, including printers that can be upgraded into MFDs while in use.

A "*copier*" is a commercially available imaging product which sole function is the production of hard copy duplicates from graphic hard copy originals. The unit must be capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as copiers or upgradeable digital copiers.

A "*multifunction device (MFD)*" is a commercially available imaging product which is a physically integrated device or a combination of functionally integrated components that performs two or more of the core functions of copying, printing, scanning, or faxing. The copy functionality, as addressed in this definition, is considered to be distinct from single sheet convenience copying offered by fax machines. The unit must be capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as MFDs or multifunction products (MFPs).

"*Packaging*" means all products made of any materials of any nature used for the containment, protection, handling, delivery and presentation of goods, from raw materials to processed goods, from the producer to the user or the consumer.

"Recycling" means any recovery operation by which waste materials are reprocessed into products, materials or substances whether for the original or other purposes. It includes the reprocessing of organic material but does not include energy recovery and reprocessing into materials that are to be used as fuels or for backfilling operations.

'Re-use' means any operation by which products or components that are not waste are used again for the same purpose for which they were conceived

"Re-used content" of a product means the content of a product which has undergone a re-use operation

"Cartridge anti re-utilisation devices/practises, ARUD" are: *(proposal for definition is welcome)*

"Spare parts" are those parts of the product which typically have the potential to fail during the normal use of the product.

Article 3

In order to be awarded the EU Ecolabel under Regulation (EC) No 66/2010, the imaging equipment device shall fall within the product group "imaging equipment" as defined in Article 1 of this Decision and shall comply with the criteria as well as the related assessment and verification requirements set out in the Annex to this Decision.

Article 4

The criteria for the product group "imaging equipment", as well as the related assessment and verification requirements, shall be valid for four years from the date of adoption of this Decision.

Article 5

For administrative purposes the code number assigned to "imaging equipment" shall be "0XX".

Article 6

This Decision is addressed to the Member States.

Done at Brussels,[]

For the Commission
Janez POTOČNIK

Member of the Commission

[...]

ANNEX

CRITERIA

Criteria are set for the following areas:

1. Paper Management
2. Energy efficiency
3. Indoor air emissions
4. Noise
5. Substances and mixtures in imaging equipment
6. Reuse, recycling and end-of-life management
7. Ink and toner consumables
8. Corporate criteria
9. Social criteria

(1) Assessment and verification

The specific assessment and verification requirements are indicated within each criterion.

All imaging equipment applying for EU Ecolabel must fulfil the criteria. Where the applicant is required to provide declarations, documentation, analyses, test reports, or other evidence to show compliance with the criteria, it is understood that these may originate from the applicant and/or his supplier(s) and/or their supplier(s), as appropriate.

Where appropriate, test methods other than those indicated for each criterion may be used if their equivalence is accepted by the competent body assessing the application.

Where possible, the testing should be performed by laboratories that meet the general requirements of EN ISO 17025 or equivalent.

Where appropriate, competent bodies may require supporting documentation and may carry out independent verifications.

EU ECOLABEL CRITERIA

Paper management

Criterion 1 - Availability of N-up printing.

Imaging equipment devices shall offer as a standard feature the capability to print and/or copy 2 or more pages of a document on one sheet of paper when the product is managed by original software provided by the manufacturer (printer driver).

Assessment and verification

The applicant shall provide to the awarding competent body a declaration of compliance with these requirements including explanation as to how users can access N-up printing facilities.

Criterion 2 - Duplex printing requirement

Imaging equipment devices with a maximum operating speed for monochrome printing/copying of 19 ipm (images per minute) or more for A4 size paper shall be equipped with an automatic double-side print/copy unit (a duplex-unit).

The duplex printing and/or copying function shall be set as default in the original software provided by the manufacturer. For the devices receiving a printing order from a computer, a message should be formulated by the manufacturer and displayed on the computer screen of the user (e.g. in the print dialogue) when the default setting is changed into one-side printing. The content of this message should highlight the fact that: This mode of printing will contribute to higher environmental impacts than double-side printing.

Assessment and verification

The applicant shall provide to the awarding competent body a declaration of compliance with these requirements including declaration of the speed for monochrome printing and an explanation as to which message and where and when such message for devices receiving a printing order from computer, is displayed to users.

Criterion 3 - Use of recycled paper

Imaging equipment devices must be capable of processing recycled paper made of 100% post-consumer paper that meets the requirements of EN 12281:2002. The applicant shall be free to recommend certain types of recycled paper.

Assessment and verification

The applicant shall provide to the awarding competent body a declaration of compliance with these requirements.

Energy efficiency

Criterion 4 - Energy efficiency

a) The energy consumption of the product shall fulfil the energy efficiency requirements of Energy Star v.2.0 criteria for imaging equipment.

b) The power consumption in standby mode of products with network availability:

- equal or less than 400 PSOR (LoNA) in the modes with networked standby which the product is switched into by the power management function shall not exceed 1,50 Watt
- over 400 PSOR (HiNA) in the modes with networked standby which the product is switched into by the power management function shall not exceed 3 Watt

PSOR is the Power Supply Output Rating (PSOR) which refers to the typical power level during full operation.

Assessment and verification

Part a) The applicant shall provide to the competent bodies a declaration of compliance with the energy efficiency requirements as set in Energy Star v2.0 and a test report with the results of the energy efficiency test according to the methods specified in Energy Star. Energy Star v.2.0 labelled products are deemed to comply with the requirements of this criterion and the applicant shall submit a copy of the energy label award.

Part b) The applicant shall provide to the competent bodies a declaration that it meets the criteria including a test report (according to the relevant EN standard when available) stating the consumption in the network standby mode.

Indoor air emissions

Criterion 5 - Restriction on indoor emissions

In the use phase the product shall not emit the below listed pollutants in amounts higher than the maximum emission rates given below:

		<i>Emission rate in mg/h,</i>	
		<i>Monochrome printing</i>	<i>Colour Printing</i>
		<i>1 (Desktop products)</i>	<i>1 (Desktop products)</i>
<i>Ready mode</i>	<i>TVOC**</i>	<i>2 (Floor-mounted equipment (Volume >250 l))</i>	<i>2 (Floor-mounted equipment, Volume > 250 l)</i>
	<i>TVOC**</i>	<i>10</i>	<i>18</i>
	<i>Benzene</i>	<i>< 0,05</i>	<i>< 0,05</i>
	<i>Styrene</i>	<i>1,0</i>	<i>1,8</i>
<i>Printing mode (Sum of Ready + Printing mode)</i>	<i>Non identifiable VOC**</i>	<i>0.9</i>	<i>0.9</i>
	<i>Ozone *</i>	<i>1,5</i>	<i>3,0</i>
	<i>Dust*</i>	<i>4,0</i>	<i>4,0</i>

*only for EP-printing

** the list of the "identifiable VOCs" in the measuring method is provided in draft of 15.05.2012 of Blue Angel Ral UZ 171 Annex S-M chapter 4.5

All the above emission rates must be measured in accordance with the requirements described in draft of 15.05.2012 of Blue Angel RAL UZ 171.

Assessment and verification

The applicant shall submit to the competent body a report containing the results of the emission test according to the methods specified in draft of 15.05.2012 of Blue Angel RAL UZ 171.

Noise emissions

Criterion 6 - Noise emissions

The noise emission is rated by the declared A-weighted sound power level depending on printing speed per minute given in dB with one decimal place accuracy (or in B with two decimal places accuracy).

The declared A-weighted sound power level $L_{WA,d}$ of the product shall not exceed the following limits while operating:

- a. For monochrome printing– the A-weighted sound power level limit value $L_{WAd,lim,bw}$ shall be determined depending on the operating speed S_{bw} given with one decimal place accuracy according to the following formula:

$$L_{WAd,lim,bw} = 37 + 20 \cdot \log(S_{bw} + 8) \text{ dB}$$

$L_{WAd,lim,bw}$ = A-weighted sound power level limit for monochrome printouts given in dB

- b. For colour printing – the A-weighted sound power level limit value $L_{WAd,lim,co}$ shall be determined depending on the operating speed S_{co} given with one decimal place accuracy according to the following formula:

$$L_{WAd,lim,co} = 38 + 20 \cdot \log(S_{co} + 8) \text{ dB}$$

$L_{WAd,lim,co}$ = A-weighted sound power level limit in dB for colour printouts

- c. In addition, for both monochrome and colour printing – the A-weighted sound power level limit value $L_{WAd,lim,co}$ and $L_{WAd,lim,bw}$ shall not exceed an upper limit of 75.0 dB:

$$L_{WAd,lim,bw} < 75.0 \text{ dB}$$

$$L_{WAd,lim,co} < 75.0 \text{ dB}$$

For serial electrophotographic colour devices with $S_{co} \leq 0,5 S_{bw}$ the sound power level shall be determined and indicated. For assessment purposes compliance with $L_{WAd,lim,bw}$ for monochrome printouts with printing speed S_{bw} shall be considered exclusively.

Assessment and verification

The applicant shall demonstrate compliance with the criteria requirements and submit a test report containing the results of the A-weighted sound power according to the methods specified in ISO 7779 3rd edition (2010) (corresponds to ECMA-74:2010¹). The testing laboratory performing the test must be accredited according to EN ISO/IEC 17025 as well as according to ISO 7779 for acoustic measurements. The applicant shall attach a copy of the valid accreditation certificates of the test laboratory.

¹ as described in the noise measurement method section of the criteria background report

Substances and mixtures in imaging equipment

Criterion 7 - Hazardous substances and mixtures

In accordance with Article 6(6) of Regulation (EC) No 66/2010, the product or any article of it shall not contain substances referred to in Article 57 of Regulation (EC) No 1907/2006 nor substances or mixtures meeting the criteria for classification in the following hazard classes or categories in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council (1).

List of hazard statements and risk phrases:

Hazard statement ⁽²⁾	Risk Phrase ⁽³⁾
H300 Fatal if swallowed	R28
H301 Toxic if swallowed	R25
H304 May be fatal if swallowed and enters airways	R65
H310 Fatal in contact with skin	R27
H311 Toxic in contact with skin	R24
H330 Fatal if inhaled	R23/26
H331 Toxic if inhaled	R23
H340 May cause genetic defects	R46
H341 Suspected of causing genetic defects	R68
H350 May cause cancer	R45
H350i May cause cancer by inhalation	R49
H351 Suspected of causing cancer	R40
H360F May damage fertility	R60
H360D May damage the unborn child	R61
H360FD May damage fertility. May damage the unborn child	R60/61/60-61
H360Fd May damage fertility. Suspected of damaging the unborn child	R60/63
H360Df May damage the unborn child. Suspected of damaging fertility	R61/62
H361f Suspected of damaging fertility	R62

⁽¹⁾ OJ L 353, 31.12.2008, p. 1.

⁽²⁾ As provided for in Regulation (EC) No 1272/2008.

⁽³⁾ As provided for in Council Directive 67/548/EEC (OJ 196, 16.8.1967, p. 1).

H361d Suspected of damaging the unborn child	R63
H361fd May damage fertility. May damage the unborn child	R62-63
H362 May cause harm to breast fed children	R64
H370 Causes damage to organs	R39/23/24/25/26/27/28
H371 May cause damage to organs	R68/20/21/22
H372 Causes damage to organs	R48/25/24/23
H373 May cause damage to organs	R48/20/21/22
H400 Very toxic to aquatic life	R50/50-53
H410 Very toxic to aquatic life with long-lasting effects	R50-53
H411 Toxic to aquatic life with long-lasting effects	R51-53
H412 Harmful to aquatic life with long-lasting effects	R52-53
H413 May cause long-lasting effects to aquatic life	R53
EUH059 Hazardous to the ozone layer	R59
EUH029 Contact with water liberates toxic gas	R29
EUH031 Contact with acids liberates toxic gas	R31
EUH032 Contact with acids liberates very toxic gas	R32
EUH070 Toxic by eye contact	R39-41

The use of substances or mixtures in the final product which upon processing change their properties in a way that the identified hazard no longer applies is exempted from the above requirement.

Concentration limits for substances or mixtures meeting the criterion for classification in the hazard classes or categories listed in the table above, and for substances meeting the criterion of Article 57 (a), (b) or (c) of Regulation (EC) No 1907/2006, shall not exceed the generic or specific concentration limits determined in accordance with the Article 10 of Regulation (EC) No1272/2008. Where specific concentration limits are determined, they shall prevail against the generic ones.

Concentration limits for substances meeting criteria of Article 57 (d), (e) or (f) of Regulation (EC) No 1907/2006 shall not exceed 0.1 % weight by weight.

The following substances/uses of substances are specifically derogated from this requirement:

Articles with weight below 25g	All hazard statements and risk phrases
Homogeneous parts of complex articles with weight below 25 g	All hazard statements and risk phrases

Inks and toners and cartridges	All hazard statements and risk phrases
Ni in stainless steel of all types other than of high-sulphur grades (S > 0.1%)	
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3,-tetramethylbutyl)phenol CAS 3147-75-9	
Triphenylphosphine CAS 603-35-0	
(1-methylethylidene)di-4,1-phenylene tetraphenyl diphosphate CAS 5945-33-5 and CAS 181028-79-5 when it is used as pure and not with technical quality of equal or less than 90 % BDP	

Assessment and verification

For each article and/or homogeneous part of complex articles with weight over 25 g the applicant shall provide a declaration of compliance with this criterion, together with related documentation, such as declarations of compliance signed by the suppliers of substances and copies of relevant Safety Data Sheets in accordance with Annex II to Regulation (EC) No 1907/2006 for substances or mixtures. Concentration limits shall be specified in the Safety Data Sheets in accordance with Article 31 of Regulation (EC) No 1907/2006 for substances and mixtures.

Criterion 8 - Substances listed in accordance with article 59(1) of Regulation (EC) No 1907/2006

No derogation from the exclusion in Article 6(6) shall be given concerning substances identified as substances of very high concern and included in the list foreseen in Article 59 of Regulation (EC) No 1907/2006, present in mixtures, in an article or in any homogenous part of a complex article in concentrations higher than 0.1%. Specific concentration limits determined in accordance with Article 10 of Regulation (EC) No1272/2008 shall apply in case it is lower than 0.1%.

Assessment and verification:

The list of substances identified as substances of very high concern and included in the candidate list in accordance with Article 59 of Regulation (EC) No 1907/2006 can be found here:

http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp

Reference to the list shall be made on the date of application.

The applicant shall provide a declaration of compliance with this criterion, together with related documentation, such as declarations of compliance signed by the suppliers of substances and copies of relevant Safety Data Sheets in accordance with Annex II to Regulation (EC) No 1907/2006 for substances or mixtures. Concentration limits shall be specified in the Safety Data Sheets in accordance with Article 31 of Regulation (EC) No 1907/2006 for substances and mixtures.

Criterion 9 - Mercury in light sources

Mercury or its compounds shall not intentionally be added to light sources used in imaging equipment.

Assessment and verification

The applicant shall declare to the competent body that the light sources of the product do not contain more than 0.1 mg of mercury or its compounds per lamp. The applicant shall also provide a brief description of the lighting system used.

Reuse, recycling and end-of-life management

Criterion 10 - Plastic parts

Plastic parts of the product shall not contain intentionally added brominated aromatic flame retardants in concentration over 0.1%.

The following requirements refer to plastic parts used in imaging equipment covering external plastic casings and cables, and in the recommended for use OEM cartridges. Plastic components used in electronic parts, parts as well plastic parts which are reused¹ are exempted.

¹ Reused articles (or parts of it) are defined the ones which have been used in the past as part of imaging equipment and are now used again in a new manufactured product.

This restriction is not applicable for product articles of weight lower than 25 g and for homogeneous parts of complex articles of weight lower than 25 g.

Assessment and verification:

The applicant shall provide a declaration of compliance with this criterion, together with related documentation, such as declarations of compliance signed by the suppliers of substances and copies of relevant Safety Data Sheets. A declaration of compliance signed by the plastic suppliers and copies of relevant safety data sheets about materials and substances shall also be provided to the awarding competent body. The applicant shall provide information on the intentionally added substances used as flame retardants.

Criterion 11 - Design for disassembly

The manufacturer shall demonstrate that the imaging device can be easily dismantled by professionally trained personnel using the tools usually available to them, for the purpose of repairs and replacements of worn-out parts, upgrading older or obsolete parts, and separating parts and materials, ultimately for recycling or reuse. The applicant shall complete the "checklist for recyclable design" which is given in Annex 6.7 of the criteria technical background report.

Assessment and verification

A test report shall be submitted with the application detailing the dismantling of the imaging equipment device. It shall include an exploded diagram of the product, labelling the main components as well as identifying any hazardous substances in components. It can be in written or in digital format. Information regarding hazardous substances shall be provided to the competent body. The applicant shall comply with all the parts listed in the "checklist for recyclable design." The applicant shall name the casing plastics used for parts over 25 grams and submit a list of plastics attached to the application in the form of a list of materials identifying material type, quantity used and location.

Criterion 12 – Recycled and reused content

The product plastic parts shall have in total a recycled and/or reused content of not less than 10 % by mass. Small plastic parts weighting less than 25 g are exempted

The total post-consumer recycled content and the reused content of the external plastic parts shall be declared in the user information.

Assessment and verification

The applicant shall provide the competent body with a declaration stating the percentage of recycled content and/or reused content of the plastic parts of the product. The applicant shall provide a sample of the user information to the awarding competent body.

Ink and toner consumables

Criterion 13 - Design for recycling and/or reuse of toner and/or ink cartridges

The products must accept remanufactured toner and/or ink cartridges.

The products must be designed by taking reuse of toner and/or ink cartridge into consideration.

The design of the recommended by the manufacturer (OEM) for use in the product cartridge should promote its durability. Devices and practices that would prevent its re-utilisation (sometimes referred as anti re-utilisation devices/ practises, ARUD) should not be present or applied. This requirement is not applicable for imaging equipment applying the solid ink technology.

Assessment and verification

The applicant shall declare compliance with the criterion. The applicant shall provide to the competent body a copy of the user information. If requested by the competent body the applicant shall submit instructions on how the cartridge shall be remanufactured and/or refilled. The competent body may ask the applicant to provide a proof (i.e. one sample) that cartridges can be remanufactured or refilled following the provided instructions.

Criterion 14 - Toner and/or ink cartridge take-back requirement

The applicant shall offer a take-back system for the return of toner/ink modules and toner/ink containers supplied or recommended by the applicant for use in the product back to the applicant, in order to channel such modules and containers to reuse and/or material recycling with preference given to reuse. This also applies to residual toner containers.

Third parties (dealers and service agencies or companies engaged in the module reuse and/or recycling business) may be subcontracted to perform this task. The formers shall be provided with instructions for proper handling of residual toner. Non-recyclable product parts shall be properly disposed. Modules and containers shall be taken back free of charge by the return facility named by the applicant to which products may be returned personally or by shipment. The product documents shall include detailed information on the return system.

Assessment and verification

The applicant shall declare compliance with the requirements and document instructions for the recycling contractor for dealing with residual toner (e.g. by means of the EC Material Safety Data Sheet) and by means of the note: "Prevent toner dust from being released into the air." A declaration that the toner/ink modules and toner/ink containers are channelled for reuse and/or recycling signed by the subcontracted third parties (dealers and service agencies or companies engaged in the module reuse and/or recycling business) shall also be provided to the awarding competent body.

Criterion 15 - Substances in ink and toners

- a. No substances may be added to toners and inks supplied or recommended by applicant for use in the product which contain mercury, cadmium, lead, nickel or chromium-VI-compounds as constituents. High molecular weight complex nickel compounds as colorants are exempted. Production-related contamination by heavy metals, such as cobalt and nickel oxides shall be kept as low as technically possible and economically reasonable.
- b. Azo colorants that might release carcinogenic aromatic amines appearing on the list of aromatic amines according to Regulation (EC) No 1907/2006 annex XVII,

shall not be used in toners and inks supplied or recommended by the applicant for use in the product.

- c. Only those substances which are listed as so-called existing substances in Annex II to Commission Regulation EC 2032/2003 amended by Regulation EC 1048/2005 may be added as active biocides to inks supplied or recommended by the applicant for use in the product.

Assessment and verification

The applicant shall declare compliance with these requirements. A declaration of compliance signed by the ink and toner supplier(s) and copies of relevant Safety Data Sheets about materials and substances shall also be provided to the awarding competent body.

Corporate Criteria

Criterion 16 - Requirements on packaging

Where cardboard boxes are used for the final packaging, they shall be made of at least 80 % recycled material.

Where plastic bags are used for the final packaging, they shall be made of at least 75 % of recycled material or they shall be biodegradable or compostable, in agreement with the definitions provided by the EN 13432 or equivalent.

Assessment and verification

A sample of the product packaging shall be provided, together with a corresponding declaration of compliance with this criterion. Only primary packaging, as defined in European Parliament and Council Directive 94/62/EC is subject to the criterion.

Criterion 17 - Warranty, guarantee of repairs and supply of spare parts

The applicant shall ensure that a supply of spare parts and necessary infrastructure for equipment repair is available for a period of at least 5 years after the end of production and that users are informed about the guaranteed availability of spare parts.

This clause will not apply to the unavoidable and temporary situation that is beyond manufacturer's control such as natural disaster

Assessment and verification

The applicant shall declare to the competent body the guarantee of repairs and supply of spare parts and provide samples of the product information sheet and warranty terms to the awarding competent body..

Criterion 18 - User Information

The applicant shall inform the user as follows:

(a) Environmental relevance of paper consumption

"The main environmental impacts of this product along its life cycle are related to the consumption of paper. The less paper is used the lower the overall life cycle environmental impacts. It is recommended to apply double side printing and make use of the function of multiple page printing in one paper sheet."

(b) Printouts produced after cancelation

The applicant shall declare the maximum number of pages which are printed or copied after the user has cancelled the printing or copying process. The measurement shall be conducted using the measurement procedure described in Annex 6.1.

(c) Noise

"This device has noise emissions $L_{WAd} > 63.0$ dB(A) and is not suitable for use in rooms where people do primarily intellectual work. This device should be placed in a separate room because of its noise emission".

This information shall only be given when the measured A-weighted sound power level of the device exceeds the 63.0 dB(A) as measured for criterion.

(d) Ink and toner cartridges:

"The cartridges of this equipment are designed for reuse. It is recommended to reuse the cartridge as this is resource efficient."

The cartridge ink yield and the yield of number of printouts should be clearly written on the packaging of the recommended for use (OEM) cartridge

(e) A guide shall be provided with instructions on how to maximise the environmental performance of the particular imaging equipment (covering paper management functions, energy efficiency functions, waste management of the product and of any consumables such as ink and/or toner cartridges) in written form as a specific part of the user manual and in digital form accessible via the manufacturers website.

Assessment and verification

A certificate signed by the manufacturer declaring compliance with these requirements and evidence of the required user information shall be provided by the applicant to the competent body. Printouts produced after cancellation shall be measured following the calculation method proposed in Annex 6.1 of the criteria technical background report. The applicant shall fill-in table 4 of annex 6.4 of criteria technical background report. A copy of the instruction manual shall be supplied to the authority. This manual shall be available for access on the manufacturer's website.

Criterion 19 - Information appearing on the Ecolabel

Optional label with text box shall contain the following text:

- Designed for efficient paper management
- High energy efficiency
- Minimised use of hazardous substances

Assessment and verification

The applicant shall declare the compliance of the product with this requirement and shall provide a copy of the Ecolabel as it will appear on the packaging and/or product and/or accompanying documentation to the competent body.

Criterion 20 - Social accountability

Fundamental principles and rights regarding working conditions must be fulfilled during the production of the Ecolabelled imaging equipment device. The licensee must ensure that the production of the product follows the ILO conventions¹ regarding child labour, forced labour, health and safety, discrimination, discipline, hours of work, wages, freedom of association and collective bargaining.

Assessment and verification

The applicant shall declare compliance with this requirement and provide a specification of contracts with inspection authorities and either a code of conduct regarding ILO conventions or a SA8000 certification.

¹ <http://www.ilo.org/>