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**INDUSTRY VOLUNTARY AGREEMENT TO IMPROVE THE  
ENVIRONMENTAL PERFORMANCE**

**OF**

**IMAGING EQUIPMENT PLACED ON THE EUROPEAN MARKET**

Version 3.5

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## Contents

1	Introduction.....	3
2	Objectives.....	4
3	Scope .....	4
4	Commitments Part I – Design Requirements.....	5
5	Commitments Part II – Information Requirements.....	7
6	Reporting and monitoring.....	8
7	Nature and Organization of the Voluntary Agreement.....	9
8	Voting Rules.....	10
9	Non Compliance.....	10
10	Verification.....	10
11	Revision of the Commitment.....	11
12	Termination of the Voluntary Agreement .....	11
	Annex A: Definitions.....	12
	Annex B: Calculating the compliance rate .....	15
	Annex C: Reporting form to be used to report to Independent Inspector.....	16
	Annex D: Signing Form.....	18
	Annex E: Example of Product Environmental Information.....	19

# 1 Introduction

The Imaging Industry is an innovative industry with a long track record on environmental improvements. The Imaging Industry wishes to formalize their commitment to continuous improvement via this voluntary agreement ("Voluntary Agreement") which we believe will help to contribute to the achievement of the EU Action Plan on Energy Efficiency. It is expected that the proposed Commitments as defined herein will enable energy savings of around 1 to 1,5 TWh per year in EU27 excluding the additional savings that will be made through increased resource efficiency. This Voluntary Agreement should enable customers to make more sustainable purchasing decisions by providing them more accurate information on the environmental performance of our products.

The Imaging Industry has been working on this Voluntary Agreement since spring 2009 and has been open for participation from all producers. The current market coverage of the companies involved in the drafting process is **over 90%** based on units sold in the EU. The goal is to continue to expand the coverage of the voluntary agreement and to include as many companies as possible.

The scope of the voluntary agreement is based on the EuP Preparatory Study and linked with Energy Star. It aims to target the highest sales volume products and technologies on the household and office market. Technologies of declining markets such as small photo and scanner devices have been excluded from the scope of the agreement to ensure that companies can focus resources on improving the performance of our products in the high volume, high growth markets/sectors..

It became clear from the EuP Preparatory Studies on "Imaging Equipment" (Lot 4), that the product category Imaging Equipment contains a wide variety of product types, designed and marketed for a wide variety of markets and applications. Products range from a very affordable personal printer that is used occasionally by a private household user, through multifunctional devices used in offices to accommodate the daily needs for copying, printing, scanning and faxing of documents for groups of office workers, up to highly productive printing systems that are designed to run continuously in print rooms. For such widely different applications, widely different imaging technologies have been developed since instant printing emerged in the market in the 1920's: inkjet printing and electrophotographic printing are the most well-known of the core technologies used in the printers to transfer information onto paper. In addition to the core technologies, a wide range of additional convenient functionalities have been added to imaging equipment: ranging from modules for automated duplex printing, into modules for stapling, punching and even digital document storage inside the printer's memory. Each technology and each additional function has its own environmental impact. It should be noted that the implementations of the core technologies and additional functions is very different between the different producers in the imaging industry.

When setting out to develop the underlying Voluntary Agreement, the imaging Industry was faced with the challenge to formulate requirements that are not only relevant and significant for achieving environmental efficiency, but also applicable to the wide range of different imaging products present in the market. Despite the fact that the imaging industry focussed on the products that are sold in the highest numbers, by limiting the product scope to household and office equipment, still the problem of diversity remained, which is mainly driven by the wide variety of customer requirements in the imaging market.

For the reasons outlined above, the Imaging Industry will commit to the requirements in this Voluntary Agreement for the vast majority of its products. Nevertheless the allowance of exemptions could not be avoided.

In line with the European Commission "Communication on Environmental Agreements at Community level within the Framework of the Action Plan on the Simplification and Improvement of the Regulatory Environment"<sup>1</sup>, this Agreement should be acknowledged by the European Commission through an exchange of letters with the Signatories.

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<sup>1</sup> <http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:52002DC0412:EN:NOT>

## 2 Objectives

- 2.1 Continuously improve the environmental performance of the types of imaging equipment in scope of this agreement.
- 2.2 Contribute to the objectives of Directive 2009/125/EC establishing a framework for the setting of ecodesign requirements for energy-related products, in line with Recitals 18-20 and Annex VIII on self-regulation.
- 2.3 Ensure the involvement of all stakeholders represented in the Consultation Forum in monitoring of the results and updating the requirements of the Voluntary Agreement.

## 3 Scope

- 3.1 General: All terms used in this section are defined in Annex C, Part VII to the Agreement between the Government of the United States and the European Community on the coordination of energy-efficiency labelling programmes for office equipment, as set out in the Annex of Commission Decision 2009/347/EC (Energy Star).
- 3.2 For the purposes of this Agreement, “products” are understood as imaging equipment meeting the conditions in section 3.3. The terms “imaging equipment” and “product” do not include cartridges or other consumables
- 3.3 Scope:
  - 3.3.1 Product categories: The Voluntary Agreement covers imaging equipment belonging to one of the following product categories that have been reviewed in the EuP Lot 4 preparatory study:
    - Copiers
    - Multifunction Devices (MFDs)
    - Printers
    - Fax machines
  - 3.3.2 Cartridges: cartridges produced by or recommended by the OEM for use in the products set out in 3.3.1
  - 3.3.3 Marking technologies: This Agreement is limited to the following marking technologies:
    - Electrophotography (EP)
    - Inkjet (IJ), including high performance IJ
    - Solid Ink (SI)
  - 3.3.4 Household and office equipment: This Agreement is limited to household and office equipment, meaning:
    - Standard BW format products with maximum speed < 66 A4 images per minute
    - Standard Colour format products with maximum speed < 51 A4 images per minute (Speed to be rounded to the nearest integer as prescribed in the ENERGY STAR agreement).Other format products can be included in their reporting by individual Signatories on a voluntary basis but will not count but do not count for the target specified in 4.1 a)..

## 4 Commitments Part I – Design Requirements

Signatories commit to:

### 4.1 Compliance on primary requirements:

a) Products as defined in section 3 and placed by Signatories on the EU market will meet the specifications of Energy Star v1.1 and to duplex settings in accordance with the following target:

- By 1 January 2012: 90% or more of the products placed by a Signatory on the market.

b) The specifications in Energy Star v1.1 and duplex settings concern:

1. energy consumption requirements (TEC and OM products);
2. default delay times (OM products); and
3. duplex availability (TEC products).
4. duplex-printing is set as default when printing from the computer, meaning that the relevant software (driver or firmware) will be configured so that the first print-job will be in duplex unless the print settings have been modified at the stage when the product is first installed to function as intended.

Summary of Duplex requirements for TEC approach products

Monochrome Print Speed		Duplex Requirements as per Energy Star V 1.1	Default Duplex set at shipment or at installation
Colour products	Monochrome products		
<=19ppm	<=24ppm	No requirement	Not applicable
20-39ppm	25-44ppm	Automatic duplexing must be offered as a standard feature or optional accessory at the time of purchase.	At discretion of either the user or manufacturer
>=40ppm	>=45ppm	Automatic duplexing is required as a standard feature at the time of purchase.	Required

c) For the purposes of compliance with section (a) above, the rate of compliance shall be calculated following the methodology described in Annex B.

d) A preliminary baseline will be established and published by 1 October 2011 on the basis of products placed by Signatories on the market during the first half of calendar year 2011 and their compliance to the above criteria.

### 4.2 Availability of N-up printing.

All printing products placed on the market after 1 January 2012 offer as a standard feature the capability to print several pages of a document on one sheet of paper, when the product is managed by an original software provided by the manufacturer (printer driver).

#### 4.3 Design for recycling<sup>2</sup>

For all new product models introduced after 1 January 2012

- 4.3.1 Plastic parts >100 g shall be manually separable into recyclable plastic streams with commonly available tools.
- 4.3.2 Product shall utilize commonly used fasteners for joining components, subassemblies, chassis and enclosures.
- 4.3.3 Non-separable connections (e.g. glued, welded) between different materials shall be avoided unless they are technically or legally required.
- 4.3.4 Product plastics shall be marked by material type (ISO 11469 referring ISO 1043, resin identification code, SPI, DIN, or country specific). Marking requirement does not apply to plastic parts weighing less than 25g or with surface area less than 50 cm<sup>2</sup>; tape; plastic protective and stretch wraps and labels; or plastic pieces when due to shape marking is not possible. Exempted are plastic parts contained in reused complex modules

#### 4.4 Cartridges<sup>3</sup>

For all products placed on the market after 1 January 2012

- 4.4.1 any cartridge produced by or recommended by the OEM for use in the product is not designed to prevent its reuse and recycling.
- 4.4.2 the machine is not designed to prevent the use of a Non-OEM Cartridge.

The requirements of paragraph 4.4 shall not be interpreted in such a way that would prevent or limit innovation, development or improvements in design or functionality of the products, cartridges, etc.

An exception from the criteria in section 4.2 and 4.3 will be acceptable for models that are sold in small numbers (less than 5000 per year), on the ground that the cost of implementing the criteria is disproportionate to the sales of the product. Exceptions should be reported to the Independent Inspector (see Annex C, section 4 for reporting template).

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<sup>2</sup> Following commitments are drawn from section 4.3.1 Disassemble-ability of the IEEE 1680.2 Draft Standard for Environmental Assessment of Imaging Equipment (EPEAT criteria)

<sup>3</sup> Following commitments are drawn from section 4.9.4. "Not inhibiting reuse of cartridges" and 4.9.2.4. "Allow use of Non-OEM Cartridges" of the IEEE 1680.2 Draft Standard for Environmental Assessment of Imaging Equipment (EPEAT criteria)

## 5 Commitments Part II – Information Requirements

Signatories commit to:

### 5.1 Environmental information for end-users in relation to use and end-of-life

#### 5.1.1 Resource- and energy-efficiency

For new models introduced after 1 January 2012 signatories commit to providing end-users with information regarding resource efficiency when using imaging equipment. The intent is to ensure the end-user is made aware of good efficiency practices when they first begin to use a new product. Signatories shall achieve this through one of the following methods:

- A pop-up screen on the end-users' computer during the initial installation of software (preferred)<sup>4</sup>
- An insertion sheet provided in/on the box of the product as defined in Section 3 above
- An information sheet to be provided at the time of sale of the product as defined in Section 3 above

The following information shall be provided as a minimum<sup>5</sup> where applicable:

- 5.1.1.1 Information that recycled as well as virgin paper certified under environmental stewardship initiatives, or carrying recognised ecolabels, may be suitable providing that it meets appropriate quality standards as defined, for example, in EN 12281 on "Printing and business paper for dry toner imaging processes" for papers in the range 75-250 g/m<sup>2</sup>. For specific applications, the lower boundary may be chosen at 64 g/m<sup>2</sup>.
- 5.1.1.2 For Electro Photography printers: indication that these can print on 64 gr/m<sup>2</sup> paper and that this paper contains less raw material per print, thus saving significant resources.
- 5.1.1.3 Energy can be saved by purchasing Energy Star compliant products
- 5.1.1.4 Description of the benefits of printing in duplex mode (for TEC products having a duplex function)
- 5.1.1.5 The environmental benefits of power management

The information as described in sections 5.1.1.1 through 5.1.1.5 will be provided in the form of compact statements.

This paragraph 5.1.1 applies to: all new product models introduced after January 1, 2012. Paper weight mentioned in the pop-up window (or alternatives as described above) will be consistent with the paper weight specifications of the product.

#### 5.1.2 Cartridge disposal and treatment

For products placed on the market after 1 January 2012, Signatories will provide end-users with information on suitable end-of-life management options for used cartridges. This information may be communicated via a company website.

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<sup>4</sup> This can only be implemented when imaging equipments are managed through computers under mainstream Operating Systems (Microsoft Windows or Mac/OS)

<sup>5</sup> Not all 5 statements mentioned in section 5.1.1 may be applicable to the product that is equipped with this information. Manufacturers are free to choose if they add a statement to this effect to the information, or leave out statements that are not applicable, such as the statement regarding electrophotography and duplex printing.

## 5.2 Information on product environmental characteristics to be provided by Signatories

The following applies to products placed on the market after 1 January 2012.

- 5.2.1 Signatories will make information on the environmental performance of their products available to customers. This information may take the form of for example ECMA 370 The Eco Declaration<sup>6</sup>, EPEAT verification documentation<sup>7</sup>, or similar company formats.
- 5.2.2 Signatories will make information on inkjet and toner cartridge yield available to customers based on the measurement standards specified, for example, in ISO/IEC 24711:2006 (for ink), ISO/IEC 19752:2004 (for monochrome toner) , or ISO/IEC 19798:2006 (for colour toner). or through other company methods.

An exception from the criteria in section 5.1 and 5.2 will be acceptable for models that are sold in small numbers (less than 5000 per year), on the ground that the cost of implementing the criteria is disproportionate to the sales of the product. Exceptions should be reported to the Independent Inspector (see Annex C, section 4 for reporting template).

## 6 Reporting and monitoring

- 6.1 Signatories shall submit to an Independent Inspector reports based on compliance with the Voluntary Agreement (the "Reports") according to the guidelines in this Section
- 6.2 The reports shall include:
- Company name
  - Compliance status (compliant/non-compliant) + sales data per model (to allow for verification)
  - Rate of compliance with the commitments listed in section 4.1.
  - Compliance confirmation for all other commitments

Annex C shows the template according to which the Reports shall be prepared by the Signatories.

Compliance to all Commitments has to be reported according to the following schedule:

- A first Report by October 1<sup>st</sup> 2011 shall cover products placed on the market and Signatory commitments between January 1<sup>st</sup>, 2011 and June 30<sup>th</sup>, 2011. This Report will establish the initial baseline for the Voluntary Agreement.
- A second Report by July 1<sup>st</sup> 2012 shall cover products placed on the market between October 1<sup>st</sup> 2011 and March 31<sup>st</sup> 2012 and demonstrate compliance with targets set for January 1, 2012.
- Unless differently stated in next revisions of the current Voluntary Agreement, following reports will be established by March 31<sup>st</sup> every year covering products placed on the market during the previous full calendar year , e.g. by March 31<sup>st</sup>,2013 for products placed on the market between January 1<sup>st</sup>, 2012 and December 31<sup>st</sup>, 2012

Within two weeks following the end of a reporting period, the Independent Inspector shall send a request to the Signatories to file their Reports. These shall be submitted no later than three months after the end of the reporting period to the Independent Inspector.

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<sup>6</sup> The eco declaration (ECMA 370) is a communication tool for customers. ECMA 370 declaration was developed to answer questions from customers to choose the best supplier. The standard addresses individual company programs and product related attributes.

<sup>7</sup> EPEAT, the Electronic Product Environmental Assessment Tool, is a set of environmental criteria to support green public procurement and environmentally conscious purchasing decisions. For Imaging Equipment, an EPEAT standard is being developed (IEEE1680.2), that will include a specification of the verification documentation that the manufacturer has to make available in order to have a product registered with EPEAT. This documentation will provide disclosure of environmental performance.

The Reports shall be compiled by the Independent Inspector into an annual progress report (the "Annual Progress Report") that will be submitted to the Steering Committee within 4 months following the end of a period. This Annual Progress Report will be prepared by the Independent Inspector and will only show anonymous results. Signatories will not be named although individual achievements shall be disclosed (company A, company B, etc).

The Independent Inspector shall be responsible for ensuring that confidentiality of the Signatory's identity and any data or information provided to it under or in relation to this agreement is maintained this shall include entering into a non-disclosure agreement with each Signatory if requested by the Signatory..

- 6.3 The Steering Committee will meet at least once a year to discuss the Annual Progress Report and shall decide if an independent audit is required to verify the accuracy of "Annual Progress Report" or of an individual signatory. The results of the independent audit will be submitted to the Steering Committee. Any independent auditor will be required to treat the identity and data of the Signatories as confidential and shall if requested by any Signatory enter into a non-disclosure agreement with each Signatory before having access to the data.

## **7 Nature and Organization of the Voluntary Agreement**

### **7.1 Nature of the Voluntary Agreement**

The Signatory signs and enters into this Agreement for and on behalf of itself and makes its Commitment under the Agreement to the European Commission. The consequences of non-compliance are set out in section 9.

This Agreement shall not amount to a commercial agreement and shall not give rise to any commercial expectations or liabilities between the Signatories in respect of the fulfilment of their individual Commitments as listed in this Voluntary Agreement.

All Signatories will be treated equally and there shall be no special arrangements for individual Signatories.

### **7.2 Organisation of the Voluntary Agreement**

Each Signatory to the Agreement as well as the European Commission shall have the right to nominate one person to represent it at the Steering Committee.

The Steering Committee shall elect, from amongst its members, a Chair. The Chair shall be responsible for convening the Steering Committee at regular intervals (and at least twice within every Reporting Period) and for running such meetings of the Steering Committee. The Chair shall, however, have no executive or representative function unless this is delegated to them by the Steering Committee.

Meetings of the Steering Committee shall be open to

- any person representing a Signatory or potential signatory to agreement,
- to any representatives of the European Commission or Member States, as well as member states of the EEA or EFTA, and
- organizations that have a permanent seat on the Consultation Forum.

The Steering Committee will seek to achieve agreement by consensus at all times. If consensus cannot be achieved, the Steering Committee may reach a decision in accordance with the voting procedures described in Section 8 of this Voluntary Agreement. The Steering Committee may decide to develop and adopt further rules of procedure where it deems it necessary and may decide to delegate powers where it deems it to be necessary to specific individuals or to sub-committees.

## 8 Voting Rules

All reasonable efforts shall be taken to ensure that the decisions of the Steering Committee are taken on the basis of a consensus.

However, where consensus on an issue cannot be achieved in the course of a meeting of the Steering Committee, a call for an indicative vote may be made by the Steering Committee Chair or by a Quorum.

During any voting procedure of the Steering Committee each Signatory shall be entitled to cast a single vote.

If the indicative vote indicates a favourable outcome (two-thirds majority or greater in favour) but a consensus is nonetheless not achieved, a call for a deciding vote may be made by a Quorum to be held at the following meeting of the Steering Committee. At such second meeting, the adoption of a decision shall be made in accordance with the Voting Rules. At such second meeting, the adoption of a decision shall require:

- a. a Quorum
- b. the agreement of a two-thirds majority of the Quorum.

## 9 Non Compliance

Individual companies will work towards the fulfilment of the compliance rate set out in section 4.1 of this Voluntary Agreement. In case a Signatory fails to meet the compliance rate, actions will be taken, depending on the level of non-compliance:

- Under achievement of the target by  $\leq 5\%$ : The Signatory will have a grace period of 6 months to achieve the target and present an updated semester progress report. During those 6 months, the Signatory will not be required to achieve any new target set out in a revision of the Voluntary Agreement. If the Signatory fails to achieve the target, the Steering Committee will start discussions with the Signatory in order to develop a suitable way forward. The Steering Committee may decide to change the Signatory's status from Signatory to Defaulting Signatory. Until the Defaulting Signatory fulfils the target, no new targets will apply.
- Under achievement of the target by  $> 5\%$ : the Steering Committee will start discussions with the Signatory in order to develop a suitable way forward. The Steering Committee shall change the status from Signatory to Defaulting Signatory.
- If the Signatory does not comply within the set deadline as agreed with the Steering Committee, the Signatory shall be deemed not to take part any more in the Voluntary Agreement and shall be deleted from the list of signatories.

## 10 Verification

10.1 Compliance to commitments Part I - Design Requirements as described in section 4 shall be verified on the basis of the signatory's report according to the template as given in Annex C.

10.2 Compliance to Commitments Part II – Information Requirements as described in section 5 can be verified by the Independent Inspector by requesting the documentation as described below. Signatories shall provide the Independent Inspector with the requested documentation within 4 weeks of a request.

- a) For section 5.1.1 Resource- and energy-efficiency: Upon request, the software or information sheet, according to the delivery method for a given product will be provided to the Independent Inspector.
- b) For section 5.1.2 Cartridge disposal and treatment: Upon request, the respective documents and/or the website address shall be made available to the Independent Inspector.

- c) For section 5.2 Information on product environmental characteristics: Upon request, the respective documents ( 5.2.1 and 5.2.2) will be made available to the Independent Inspector.

10.3 In case an organization as listed in section 7.2 wants to verify the compliance of a product that falls under the Voluntary Agreement, the request has to be addressed to the Independent Inspector and the Signatory. Only the Independent Inspector shall provide the organization with the compliance status of a model (yes/no) on a confidential basis within 2 weeks. Within 4 weeks of receiving the compliance status, the organization shall be required to inform both the Independent Inspector and the Signatory of the results of the verification.

The Independent Inspector shall only respond to requests for specific models and is not allowed to disclose lists on the compliance status of a Signatory's product portfolio.

## 11 Revision of the Commitment

A revision of the Voluntary Agreement will take place at the earliest of the following two dates:

- 3 months after the publication of a new version of the Energy Star Program Requirements for Imaging Equipment
- 1 January 2013.

The Steering Committee may decide if a revision of the Voluntary Agreement is required after 2013.

## 12 Termination of the Voluntary Agreement

Signatories can terminate their individual participation in the Voluntary Agreement by sending a letter to the chair of the Steering Committee to an address that will be communicated in due time in writing by the chair.

The Steering Committee may decide to terminate the Voluntary Agreement at any time . Reasons for termination could be, but are not limited to:

- Signatories no longer represent a significant majority of the market (i.e. over 80%);
- A majority of Signatories do not meet the Commitments of the Voluntary Agreement
- Legislation is implemented that overrules or conflicts with the Voluntary Agreement
- Signatories have a considerable disadvantage over "free riders"

## Annex A: Definitions

All terms used in this document and not defined in this Annex A are defined in Annex C, Part VII to the Agreement between the Government of the United States and the European Community on the coordination of energy-efficiency labelling programmes for office equipment, as stated in the Annex of Commission decision 2009/347/EC (EU Energy star)

1. **Signatories:** means all member companies that have signed this Voluntary Agreement. See in section 1 the name of Signatories of this Voluntary Agreement.
2. **Potential Signatories:** means printer producers, which produce and distribute at least one device of the product categories listed in Section 3.3.
3. **Commitments:** means the Commitments described in Sections 4 and 5 to this Agreement altogether.
4. **Defaulting Signatories:** means all Signatories given the status of Defaulting Signatory by the Commission in accordance with Section 9.
5. **Copier:** A commercially-available imaging product whose 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 (UDCs).
6. **Fax Machine:** commercially-available imaging product whose primary functions are scanning hard copy originals for electronic transmission to remote units and receiving similar electronic transmissions to produce hard copy output. Electronic transmission is primarily over a public telephone system, but also may be via computer network or the Internet. The product also may be capable of producing hard copy duplicates. 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 fax machines.
7. **Multifunction Device (MFD):** 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).
8. **Printer:** 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 in the field.
9. **Electrophotography (EP):** A marking technology characterized by illumination of a photoconductor in a pattern representing the desired hard copy image via a light source, development of the image with particles of toner using the latent image on the photoconductor to define the presence or absence of toner at a given location, transfer of the toner to the final hard copy medium, and fusing to cause the desired hard copy to become durable. Types of EP include Laser, LED, and LCD. Color EP is distinguished from monochrome EP in that toners of at least three different colors are available in a given product at one time. Two types of color EP technology are defined below:
  - a. Parallel Color EP – A marking technology that uses multiple light sources and multiple photoconductors to increase the maximum color printing speed.
  - b. Serial Color EP – A marking technology that uses a single photoconductor in a serial fashion and one or multiple light sources to achieve the multi-color hard copy output.
10. **Ink Jet (IJ):** A marking technology where images are formed by depositing colorant in small drops directly to the print media in a matrix manner. Color IJ is distinguished from monochrome IJ in that more

than one colorant is available in a product at any one time. Typical types of IJ include Piezo-electric (PE) IJ, IJ Sublimation, and Thermal IJ.

11. **High Performance IJ:** The use of an IJ marking technology in high-performance business applications usually occupied by electrophotographic marking technology. This difference between the conventional IJ product and the High Performance IJ product is denoted by the presence of nozzle arrays that span the width of a page and/or the ability to dry the ink on the media through additional media heating mechanisms.
12. **Solid Ink (SI):** A marking technology where the ink is solid at room temperature and liquid when heated to the jetting temperature. Transfer to the media can be direct, but is most often made to an intermediate drum or belt and then offset printed to the media.
13. **Member States:** The member states of the European Community
14. **Quorum:** Two thirds of the Signatories who requested to be on the Steering Committee being present at a meeting.
15. **Consultation Forum:** as defined by Article 18 of the 2009/125/EC Directive, and 2008/591/EC Commission Decision, the assembly ensuring a balanced participation of Member States' representatives and all interested parties concerned with the product or product group in question
16. **Steering Committee:** The co-ordinating and governing body of this Voluntary Agreement, appointed in accordance with the principles set out in Section 7
17. **Compliance period:** the period over which companies measure their performance against the Commitments of the Voluntary Agreement
18. **Placing on market:** the act of making a product available for the first time on the Community market with a view to its distribution or use within the Community whether for reward or free of charge and irrespective of the selling technique. Guidance on this definition is available in the Guide to the Implementation of Directives Based on New Approach and Global Approach.  
<http://ec.europa.eu/enterprise/newapproach/legislation/guide/index.htm>
19. **Independent Inspector:** The independent third party designated by the Steering Committee (on behalf of all Signatories) and who is tasked with, and responsible for, the collection and processing of information supplied by Signatories pursuant to Section 6 and Annex B, and determining a Signatory's compliance with the Agreement in accordance the Commitments.. The Steering Committee shall engage the services of the Independent Inspector upon terms and conditions that shall require undertakings of confidentiality from the Independent Inspector, and which shall also set out any requirements or applicable mechanisms for a process of appeal, in case this is ever be necessary;
20. **End-user:** A person who uses the imaging equipment for one of its main functions (e.g. printing, scanning, copying). The end-user has control over the environmental impact of the product by choosing the type and weight of paper and by using duplex and/or n-up printing. Further, the end-user can be expected to exchange consumables e.g. cartridges.
21. **Customer:** A person or legal entity who takes purchasing decisions for the products covered in this voluntary agreement.
22. **TEC: Typical Electricity Consumption** method for the Version 1.1 ENERGY STAR Imaging Equipment (IE) specification. The procedure is to be used to obtain and evaluate the TEC of Standard-size IE products such as copiers, digital duplicators, fax machines, multifunction devices (MFDs), and printers that use high-temperature technologies such as Electrophotography (EP) and Solid Ink (SI), and those that provide comparable functionality. It is not intended for low-temperature technologies such as conventional Ink Jet (IJ) or Impact, nor for Large-format or Small-format products. The key result of this test procedure is a value for typical weekly electricity consumption.

23. **OM: Operational Mode:** ENERGY STAR Imaging Equipment (IE) specification. The procedure is to be used to quantify the power consumption of imaging products that do not utilize the Typical Electricity Consumption (TEC) method. Examples of products that will be tested with this OM method include those that use marking technologies such as Ink Jet, Dot Matrix or Impact, as well as scanners and all large-format and small-format devices. The key results of this test procedure are power values for Ready, Sleep, and Off modes.
  
24. **Standard Size Format Product:** Products categorized as Standard include those designed for standard-sized media (e.g., Letter, Legal, Ledger, A3, A4, and B4), including those designed to accommodate continuous-form media at widths between 210 mm and 406 mm. Standard-size products may also be capable of printing on small-format media.
  
25. **Commonly available tools:** Widely used, commercially available tools..
  
26. **Non-OEM Cartridge:** A toner or ink cartridge not sold by the OEM that is remanufactured and/or refilled.

## Annex B: Calculating the compliance rate

The compliance rate is the percentage of compliant units in scope and placed on the market in relation to the total number of units in scope and placed on the market. A model is considered compliant when it meets all the requirements as detailed in section 4.1. This means that if a model doesn't meet a requirement it will not be counted towards the company compliance rate. The compliance rate will be calculated to 2 significant figures as a sales weighted number meaning that models with high sales will weigh heavier in calculating the compliance rate than low sales models.

$$\text{Compliance rate} = \frac{\text{Compliant units in scope and placed on the market}}{\text{Total units in scope and placed on the market}}$$

Table 1 shows a simplified example of how the compliance rate can be calculated internally by a company.

**Table 1; calculating the compliance rate on sales for a given period**

EU shipments from 1st October 2011 to 31st March 2012													
Model name	product description	Energy Star qualifying approach (TEC or OM)	Mono print speed (ipm)	Compliance to requirements							Product compliant (Y/N)	Total units shipped	Total compliant units
				Sleep power(W)	OM Max sleep power allowance (W)	OM default delay time (Y/N)	TEC (kWh/week)	Max TEC(kWh/week)	duplex capability (Y/N)	duplex set as default (Y/N)			
Model 1	IJ printer	OM	NA	2	1,4	Y	NA	NA	NA	NA	N	20	0
Model 2	IJ MFD	OM	NA	4,5	4,9	Y	NA	NA	NA	NA	Y	20	20
Model 3	IJ MFD	OM	NA	4	4,9	Y	NA	NA	NA	NA	Y	60	60
Model 4	IJ printer	OM	NA	2,5	2,9	Y	NA	NA	NA	NA	Y	100	100
Model 5	EP mono printer	TEC	35	NA	NA	NA	2,5	3	N	NA	N	40	0
Model 6	EP mono MFD	TEC	50	NA	NA	NA	13	11,5	Y	N	N	100	0
Model 7	EP color printer	TEC	40	NA	NA	NA	8	8,8	Y	N	N	10	0
Model 8	EP color MFD	TEC	35	NA	NA	NA	9	9,25	N	NA	N	20	0
Model 9	EP mono printer	TEC	35	NA	NA	NA	2,7	3	Y*	NA	Y	100	100
*optional											Total	470	280
											Compliance rate		<b>60%</b>

# Annex C: Reporting form to be used to report to Independent Inspector

## Section 1: general information

The organisation/company:.....

Reporting Period: .....

## Section 2: report on compliance to commitments in section 4.1

**Table 2: reporting table**

Model	Units placed on the market in EU	Product compliant?	Number of compliant units	Number of non compliant units
<b>Total</b>		<b>Total</b>		
		<b>Compliance rate</b>		

## Section 3: manufacturers declarations

The manufacturer states that:

- : All printing products placed on the market after 1 January 2012 offer N-up printing as a standard feature in conformity with section 4.2.2 of the voluntary agreement
- : All new models introduced after 1 January 2012 are designed in view of their recycling in conformity with section 4.3 of the voluntary agreement
- : For all printing products placed on the market after 1 January 2012 manufacturers ensure that equipments and cartridges are not designed in a way to prevent re-use and the use of non-OEM consumables in conformity with section 4.4 of the voluntary agreement
- : End-user information has been implemented for all new models introduced after 1 January 2012, in conformity with section 5.1.1 of the voluntary agreement
- : information on the environmental performance of all the company's products sold in the EU has been made available to customers in conformity with section 5.2.1 of the voluntary agreement
- : information on inkjet and toner cartridge yield has been made available to customers in conformity with section 5.2.2 of the voluntary agreement (the following measurement standards were used)
- : information on suitable end of life management options for used cartridges has been provided to end-users

**Section 4: list of products that are excepted from the statements in section 3 of this report**

The following products are excepted from the statements as done in section 3 of this report:

Reports on exceptions should include:

To what requirement is the exception reported

Which are the excepted products

What is the annual sales of these products

**Section 5: Signature**

The signer hereby declares that the information stated in this report is correct and represents all information available with respect to the Commitments in the INDUSTRY VOLUNTARY AGREEMENT TO IMPROVE THE ENVIRONMENTAL PERFORMANCE OF IMAGING EQUIPMENT PLACED ON THE EUROPEAN MARKET.

Name of manufacturer: -

Name of authorized person -

Function -

Date -

Signature -

# Annex D: Signing Form

The organisation/company/  
.....

Signs this Voluntary Agreement with the objective to improve the Environmental Performance of its imaging equipment as covered by the scope of the Voluntary Agreement. More specifically the Signatory commits to:

- Meet the Commitments and compliance rate as set out in section 4 and 5
- Provide annual reports on its performance as set out in section 6

For the Signatory

Director or person authorised to sign:

Name: .....  
Function:.....  
Address:.....  
.....  
.....  
.....

Date: .....  
Signature.....

Contact Person for the Organisation/Company:

Name: .....  
Function:.....  
Email:.....  
Telephone:.....

Please send a duly signed and completed Signing Form to:  
Jacek TRUSZCZYNSKI  
European Commission  
Directorate-General for Energy and Transport  
Directorate D - New and renewable sources of energy, Energy efficiency & Innovation  
Unit D3 - Energy efficiency of products & Intelligent Energy - Europe  
Office DM24, 04/24  
Rue de Mot 24-26  
B-1049 Brussels  
Email : [Jacek.TRUSZCZYNSKI@ec.europa.eu](mailto:Jacek.TRUSZCZYNSKI@ec.europa.eu)


## **Annex E: Example of Product Environmental Information**

Following is an example of product environmental information provided by signatories, based on the ECMA 370 standard. Other standard formats can be used by signatories.

# 

## Product environmental attributes - THE ECO DECLARATION


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 P14.

Brand *	<i>Hewlett-Packard</i>	Logo 
Company name *	<i>Hewlett-Packard Company</i>	
Contact information *	<i>Hans Wendschlag</i> <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/contactemail">http://www.hp.com/hpinfo/globalcitizenship/environment/contactemail</a>	
Internet site *	<a href="http://www.hp.com/hpinfo/globalcitizenship/environment/">http://www.hp.com/hpinfo/globalcitizenship/environment/</a>	
Additional information	NA	

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 *	<i>Inkjet Printer</i>
Commercial name *	<i>HP Deskjet 1000 J110a</i>
Model number *	<i>J110a</i>
Issue date *	<i>31-August-2010</i>
Intended market *	<input checked="" type="checkbox"/> Global <input 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.


Quality Control	Item	Requirement met	
		Yes	No
QC1 *	The company enforces an internal quality control scheme to ensure the correctness of this eco declaration	<input checked="" type="checkbox"/>	<input type="checkbox"/>
QC2 *	The company is a member of an eco declaration system that enforces regular independent quality control such as organized by IT-Företagen (see <a href="http://www.itecodeclaration.org">www.itecodeclaration.org</a> ).	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Model number *	J110a		
Issue date *	31-August-2010	Logo	

Product environmental attributes - Legal requirements		Requirement met		
Item		Yes	No	n.a.
<b>P1</b>	<b>Hazardous substances and preparations</b>			
P1.1*	Products do not contain more than; 0.1% lead, 0.01% cadmium, 0.1% mercury, 0.1% hexavalent chromium, 0.1% polybrominated biphenyls (PBB) or 0.1% polybrominated diphenyl ethers (PBDE). (See legal reference and Note B1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.2*	Products do not contain Asbestos (see legal reference). Comment: Legal reference has no maximum concentration value.	<input checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	
P1.6*	Textile and leather parts with direct skin contact do not contain Tri-(2,3-dibromopropyl)-phosphate (TRIS), Tris-(aziridiny)-phosphineoxide (TEPA), polybrominated biphenyl (PBB) (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.7*	Textile and leather parts with direct skin contact do not contain more than 0.003% Azo colorants that split aromatic amines. (See legal reference and Note B1)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.8*	Wooden parts do not contain arsenic and chromium as a wood preservation treatment as well as pentachlorophenol and derivatives (see legal reference). Comment: Legal reference has no maximum concentration values.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.9*	Parts with direct and prolonged skin contact do not release nickel in concentrations above 0.5 microgram/cm <sup>2</sup> /week (see legal reference). Comment: Max limit in legal reference when tested according to EN1811:1998.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P1.10*	REACH Article 33 information about substances in articles is available at (add URL or mail contact): <a href="http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/reachprinting-and-im.html">http://www.hp.com/hpinfo/globalcitizenship/environment/productdata/reachprinting-and-im.html</a>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P2</b>	<b>Batteries</b>			
P2.1*	If the product contains a battery or an accumulator, it is labeled with the disposal symbol and if it contains more than 0.0005% of mercury (for button cells only) by weight, or more than 0.004% of lead, it shall be marked with the chemical symbol for the metal concerned, Hg or Pb. Information on proper disposal is provided in user manual. (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P2.2*	Button cells used in the product do not contain more than 2% by weight of mercury. Other 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 checked="" type="checkbox"/>
P2.3*	Batteries and accumulators are easily removable by either users or service providers (as dependent on the design of the product). Exception: Batteries that are permanently installed for safety, performance, medical or data integrity reasons do not have to be "easily removable". (See legal reference)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>P3</b>	<b>Safety, EMC connection to the telephone network and labeling</b>			
P3.1*	The product complies with legally required safety standards as specified (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.2*	The product complies with legally required standards for electromagnetic compatibility (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P3.3*	If product is intended for connection to a public telecom network or contains a radio transmitter, it complies with legally required standards for radio and telecommunication devices (see legal reference).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
P3.4*	The product is labeled to show conformance with applicable legal requirements (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P4</b>	<b>Consumable materials</b>			
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 checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P4.3*	If the ink/toner formulation/preparation is classified as hazardous according to applicable regulations, the product/packaging is adequately labeled and a Safety Data Sheet (SDS) in accordance with these requirements is available (see legal reference).	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P5</b>	<b>Product packaging</b>			
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 checked="" type="checkbox"/>	<input type="checkbox"/>	
P5.2*	Plastic packaging material is marked according to ISO 11469 referring ISO 1043 (see legal reference).	<input checked="" 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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note B1: Restriction applies to the homogeneous material, unless other specified and expressed in weight %



Model number *	J110a		
Issue date *	31-August-2010	Logo	

Product environmental attributes - Market requirements (continued)				Requirement met		
Item				Yes	No	n.a.

<b>P9</b>	<b>Energy consumption</b>					
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9.1 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"/>	
Operating	W	8.84W	8.96 W	IEC 62301: Household electrical appliances - Measurement of standby power (Ver.1.1)	<input type="checkbox"/>	
Ready	W	1.62 W	1.96W	ENERGY STAR® Product for Imaging products (Ver. 1.1)	<input type="checkbox"/>	
Sleep	W	0.99W	1.10W	ENERGY STAR® Product for Imaging products (Ver. 1.1)	<input type="checkbox"/>	
Off	W	0.24W	0.34W	ENERGY STAR® Product for Imaging products (Ver. 1.1)	<input type="checkbox"/>	
	W	W	W		<input type="checkbox"/>	
	W	W	W		<input type="checkbox"/>	
EPS No-load (External power supply / charger plugged in the wall outlet but disconnected from the product.)	W	0.18W	0.29W	ENERGY STAR® Program for External Power Supplies (Ver. 1.1)	<input type="checkbox"/>	
PTEC* Typical Energy Consumption	W	W	W		<input checked="" type="checkbox"/>	
TEC* Typical Energy Consumption	kWh/week	kWh/week	kWh/week		<input checked="" type="checkbox"/>	
ETEC* Annual Energy Consumption	kWh/year	kWh/year	kWh/year		<input checked="" type="checkbox"/>	
Display resolution* :	Megapixels				<input checked="" type="checkbox"/>	
Print Speed* :	up to 16 Images per minute				<input type="checkbox"/>	
Default time to enter energy save mode:	5 minutes				<input type="checkbox"/>	
P9.2*	Information about the energy save function is provided with the product.			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P9.3*	The product meets the energy requirements of the following voluntary program/s: ENERGY STAR version: 1.1 Tier: Product category: OM2 Others specify:			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>P10</b>	<b>Emissions</b>					
<b>Noise emission - Declared according to ISO 9296</b>						

P10.1	Mode	Mode description	Declared A-weighted sound power level $L_{WA,d}$ (B)	Declared A-weighted sound pressure level $L_{pAm}$ (dB)		
				Operator position Desktop or Desk side	Bystander positions (only if product is not operator attended)	
	Idle	* Ready	* 2.8 Bels(A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Operation	* Printing	* 6.4 Bels (A)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other mode			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Measured according to:						
<input checked="" type="checkbox"/> ISO7779 <input type="checkbox"/> ECMA-74						
<input type="checkbox"/> Other (only if not covered by ECMA-74 with $L_{pAm}$ measurement distance						m)

P10.2 The product meets the acoustic noise requirements of the following voluntary program/s:

Model number *	J110a	
Issue date *	31-August-2010	Logo 

Product environmental attributes - Market requirements (continued)		Requirement met		
Item		Yes	No	n.a.
<b>Chemical emissions from printing products</b>				
P10.3*	Test performed according to ECMA-328 (ISO/IEC 28360) standard <input checked="" type="checkbox"/> , other specify:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P10.4	Typical emission rate (print phase) is (mg/h): Dust                      Ozone                      Styrene                      Benzene                      TVOC			<input type="checkbox"/>
P10.5	Chemical emission requirements of the following voluntary program/s are met for : Dust <input type="checkbox"/> Ozone <input type="checkbox"/> Styrene <input type="checkbox"/> Benzene <input type="checkbox"/> TVOC <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Electromagnetic emissions</b>				
P10.6	Computer display meets the requirement for low frequency electromagnetic fields of the following voluntary program/s:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>P11 Consumable materials for printing products</b>				
P11.1*	A Safety Data Sheet (SDS) is available for the ink/toner preparation, even if not legally required (see P4.3).	<input checked="" 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 EN12281.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P11.3*	2-sided (duplex) printing/copying is an integrated product function.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>P12 Ergonomics for computing products</b>				
P12.1*	The display meets the ergonomic requirements of ISO 9241-307 for visual display technologies.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" 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 checked="" type="checkbox"/>
<b>P13 Packaging and documentation</b>				
P13.1*	Product packaging material type(s): <i>Corrugated paper fiber</i> weight (kg): <i>.370</i> Product packaging material type(s): <i>Molded Pulp</i> weight (kg): <i>.155</i> Product packaging material type(s): <i>Polypropylene</i> weight (kg): <i>.036</i>			
P13.2*	Product plastic packaging is free from PVC.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
P13.3*	Specify media for user and product documentation (tick box): Electronic <input checked="" type="checkbox"/> , Paper <input checked="" type="checkbox"/> , Other <input type="checkbox"/>			<input type="checkbox"/>
P13.4*	For paper user and product documentation, please specify contained percentage of post-consumer recycled fiber: <i>0%</i>			<input type="checkbox"/>
Rev. P13.5	User and product documentation do not contain chlorine bleached paper	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>P14 Additional information (See Note B4)</b>				
11.3	Manual duplexing enabled via printer software			
10.3	Chemical emissions data was collected using a similar product: HP Deskjet 2050 All-In-One J510 series			

Note B4: 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 B

Reference	Declaration item
2002/95/EC (ROHS Directive)	P1.1, P4.1
REACH, Annex XVII	P1.6, P1.8, P4.2
REACH, Annex XVII	P1.4 P1.2
REACH, Annex XVII	P1.7 P1.9
REACH, Annex XVII	P1.3 P1.5
REACH, Annex XVII	
Regulation (EC) No. 2037/2000, 2038/2000, 2039/2000 Norwegi	P2.1, P2.2, P2.3, P3.4, P8.1
an regulation relating to restrictions on the use of certain dangerous chemicals 20.12.2002	P3.1, 3.4 P3.2, 3.4 P3.3, 3.4
2006/66/EC (Battery and accumulators Directive)	P1.10
2006/95/EC (Low Voltage Directive)	P4.3
2004/108/EEC (New EMC Directive)	
1999/5/EC (R&TTE Directive)	P4.3
"REACH" Regulation (1907/2006), annex VII	P5.1
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	P5.2
REACH article 31, annex II	P5.3
2004/12/EC (Directive on packaging and packaging waste)	P3.4, P6.1
(97/129/EC) (Commission Decision on Identification System for Packaging Materials	P7.19
2037/2000/EC Regulation on Substances that Deplete the Ozone Layer	
2002/96/EC (WEEE directive)	
(EC) No.1272/2008 regulation on classification, labeling and packaging (CLP)	