

PC Green Label System (2009)

[Scope of Application]



This translated document is provided for convenience only,
any references to this application must be based on Japanese version.

January, 2009

PC3R Promotion Association

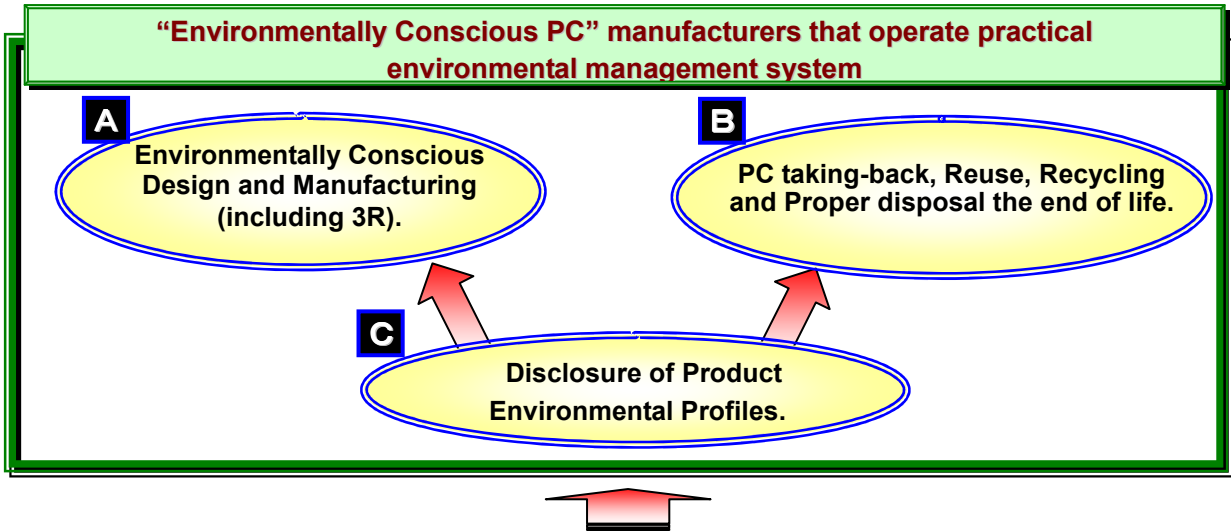
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Form 1(PCGL-2009C) (Company Examination for 2009)	
Form 2(PCGL-2009P) (Product Examination for 2009)	

PC Green Label System Overview

1 Concept

The “PC green label” indicates manufacturer’s overall efforts and activities to ensure that the computer is environmentally conscious. The label concept consists of the following three elements:



- Indicates wide range of environmental initiatives (including 3R) that effect throughout business enterprise system, product design and manufacturing.
- Self declaration type of label because of product characteristics of short life
- Approach to raise environmental standards for the entire industry rather than produce a top runner.

2 Value for Users: “You can trust both the Product and manufacturer in environmental aspects.”

- Disclosure of Environmental information which is helpful for users when selecting (or using) a computer.
- Environmental Conscious Design and Manufacturing is well conducted and ensures PC users energy saving, safety, etc.
- Proper treatment must be taken place after taking back discarded products.

3 Meaning for PC makers

The label indicates the maker’s intent to promote the formation of the recycling society and the fact that the maker has met industry-wide voluntary targets. It is Type II environmental label of the ISO 14020 series.

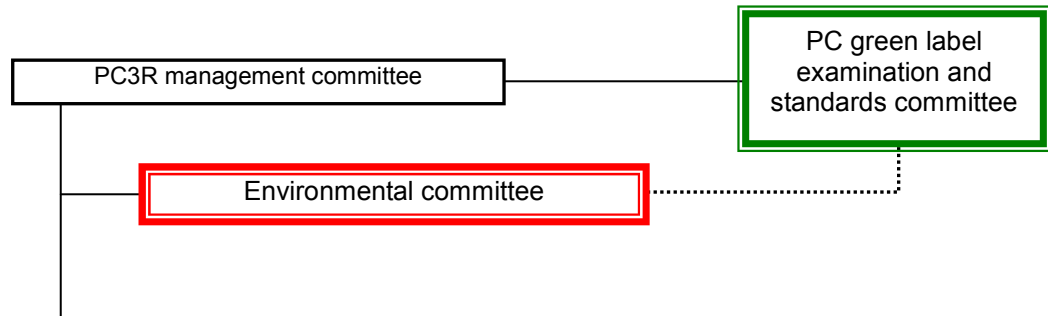
4 Applicable Products

Notebook PC (including Tablet PC), Desktop PC, All-in-One PC and/or Display including accessories (keyboard, mouse, remote controller, etc.). (Hereafter referred to as a “PC”). A thin client terminal computer is considered as PC. However, units sold as “Servers” and “Work Stations” are excluded.

PC Green Label System Administration

1 Administration

Administration of affairs concerning the PC green label is carried out primarily by the Product environmental technology Committee (hereafter referred to as the environmental Committee).



2 Environmental Committee

- ① The Environmental Committee is in charge of managing and promoting the PC green label in accordance with standards considered by the PC green label examination and standards committee (hereafter referred to as the Examination and Standards Committee).
- ② Promotion specifically includes the following:
 - (a) Final decision concerning standards and examination
 - (b) Administration of green label system
 - (c) Periodic review of label system
 - (d) Promotion/popularization of label system
- ③ Maintain neutrality, transparency and objectivity when creating standards for (a), (b) and (c). In order to ensure this, the Examination and Standards Committee consists primarily of people of experience or academic standing and consumer group.

3 Specific activities

(1) Final decision concerning standards and examination

- ① The Examination and Standards Committee shall primarily draft proposed standards for consideration including a checklist. The Environmental Committee makes the final decision while giving maximum consideration to the Examination and Standards Committee's draft of proposed standards. The decision of Environmental Committee needs agreement of majority members.
 - ◆ Specific examination standards are given in the instructions for filling out the checklist that clearly states required evidence.
- ② The examination includes a company examination and product examination. The company examination objectively determines if the company conforms to examination standards established by ①. The final decision as to whether the company passes the examination is up to the Environmental Committee. When this is determined, the Environmental Committee reports the decision to the Examination and Standards Committee. The product examination determines whether the product conforms to the spirit of the ISO 14020 series Type II environmental label by means of the checklist prescribed by the PC maker's guide.

③ Company examination

(a) The new applicants can apply for the PC green label at any time in the name of the person in charge at the company, and the Environmental Committee determines if the company conforms to examination standards in accordance with the prescribed checklist (Form 1: PCGL-2009C). The applicant is usually informed within 1.5 months whether or not the criteria have been met. If it is determined that the standards have not been met, the reason for this is pointed out to the applicant.

◆ Under ordinary circumstances, all checklist requirements must be met.

(b) An examination is carried out when the applicant applies for renewal once every two years within about two months after the issue of new version of Company Examination.

(c) When a new item is added, re-applications will be accepted if the Environmental Committee deems them necessary. If, after approval, there are any changes to the contents of the company application, the company is to notify the Environmental Committee in a timely manner. (Free format)

(d) The company examination must be sent to the PC Green Label Office by mail and e-mail as EXCEL file for form 1 and PDF files etc. for evidences.

(e) Examination fee

The examination fee is charged whenever you apply the company examination for the first time or renewal examination of once per two year. The following examination fee is collected by PC3R promotion association (hereinafter referred to as PC3R)

PC3R full members in 2008 : free for examination

PC3R associate members in 2008 : ¥52,500 (including tax, for examination)

PC3R non-member : ¥105,000 (including tax, for examination)

④ Product examination

(a) If the company examination is passed, the label is basically a self-declared type, so the computer manufacturer can use the label if he objectively determines that he meets the criteria of the prescribed checklist (Form 2: PCGL-2009P). The product for examination must be the product to be marketed.

(b) All of mandatory items on the checklist must be met.

(c) If the examination is passed, the company must do the following without delay:

◆ Report the fact that the prescribed examination standards have been met to the PC Green Label Office.

(The product examination must be sent by e-mail as a PDF file.)

The report is accepted after the PC Green Label System (Scope of Application) is issued and applicant pass the company examination. The products specified at "4 Application of the label system" can be applied.

◆ The type/model that passed the examination is to be displayed at the company Web site.

The results of checking the checklist for each type/model must not be published at the company Web site. (The standards or checklist itself however may be published.)

◆ The user should be able to look up the type/model that passed the examination for ten years.

◆ Related documents of the passed type/model must be kept by the computer manufacturer to cope with user's inquiries.

⑤ Mission of the committee secretariat

(a) The committee secretariat is to create a section on green label system and

management in the PC3R Web site to publish the standards or checklist and to serve as a portal to types/models of each company that have passed the examination.

- (b) The committee secretariat must also be able to accept various inquiries from users by e-mail, etc.
- (c) The committee secretariat places frequently asked questions from makers concerning how to apply for green label examinations into FAQ format to facilitate dissemination of information.
- (d) The committee secretariat provides the electric data of “check lists” for “Company examination” and “Product examination” to the applicants.
- (e) In order to ensure that the “Product Examination” is carried out appropriately, the secretariat can request to manufacturer (contact person responsible for product examination) to submit evidence. “Environmental Committee” will examine the evidence submitted.

(2) Label system management

① The following basic stance is taken concerning complaints:

- ◆ In the case of complaints concerning disparity in label standards, the maker must take it upon himself and report the disparity, progress, countermeasure and results in order to speedily remedy the situation to the Environmental Committee. (Free format)
- ◆ If at that time the company or product is found to fall significantly short of green label standards, the company will be given counsel concerning the problem. If the advice is not complied with, permission to use the label will be revoked and the fact that this has been done shall be reported to the media.
- ◆ PC3R secretariat takes a role as an interface for user’s inquiries of the label system. The PC3R secretariat may raise important issues to the Environmental Committee.

② Regulations concerning use of the green label logo shall be obliged to observe those regulations.

(3) Periodic review of label system

Company examination standards shall be reviewed once every two years and product examination standards shall be reviewed annually. Revisions shall be proposed by the examination and standards committee.

(4) Promotion/popularization of label system

An effective plan for popularizing and promoting the green label system shall be considered and undertaken in the future.

4 Application of the label system

The 2009 standard applies to the products shipping from April 1, 2009. However, the 2008 standard can be applied until the end of April, 2009.

5 PC3R section responsible for the green label system

PC3R Promotion Association

PC Green Label Office

(E-mail) pcgreenlabel@pc3r.jp

PC Green Label Standards

C-1 Company system to design and manufacture environmentally conscious personal computers

(1) Environmental management system

- ① ISO14001 must be certified or equivalent system must be established.

(2) Ozone layer depletive substances

- ① The substances restricted by the ozone layer preservation law must not be used as a cleaner in the manufacturing process for PC and the field replaceable units.

(3) Environmental Design Assessment

- ① Based on the “Guideline for Environmental Design Assessment of personal computers (20JEITA-CP-17)” (hereafter referred as Guideline) specified by Japan Electronics and Information Technology Industries Association (hereafter referred as the JEITA), the assessment items, standards and method must be clarified for each product’s category.
- ② Environmental Design Assessment must be conducted before releasing new product to market. Assessment must be focused on 3R (Reduce, Reuse, Recycle).
- ③ Assessment result must be recorded.

(4) System for long use of PC

- ① Product repair service must be provided for at least five years after the end of sales date of the product.

(5) System of PC taking back and proper disposing

- ① Must have a recycling system that conforms to the Law for Promotion of Effective Utilization of Resources and the Waste Management and Public Cleaning Law.

The logistics of taking back discarded business/household PCs to transport them to the location(s) where discarded PCs are collected and the controlling all steps in this process (including the recycling facilities) from the beginning to the end of the process must be established.

The facilities and/or a system for material recycling, etc must be established.

The facilities or sub-contractors of PC recycling system should be implemented EMS (Environmental Management System). The company should inspect the sub-contractors periodically. (including the grasp of actual recycling process)

C-2 Environmental information

(1) Users

- ① Information for product safety and contact point(s) for disposal must be indicated on the user’s manual, Web site, etc.

- ② Information of contact point(s) for repairing and functional upgrading service must be indicated on the user's manual, Web site, etc.
- ③ An annual status report of PC taking-back, recycling and disposal must be disclosed.
- ④ An environmental report or a CSR report must be published regularly.

Note) The following two items have been deleted considering the fact that PC green label has been not obtained at the time of the first application and that no examination is being done at the time of the continuous application.

- The products with PC Green Label must be disclosed on the Web site, etc.
- PC products which passed product examination are obliged to mark the green label logo under the "Application Code for the PC Green Label Logotype".

(2) Local governments

- ① Terms and conditions for discarded household PCs which are gathered by local governments must be disclosed.

(3) Maintenance service contractors (departments)

- ① Information for easy maintenance and repair must be provided to promote long-use of the product.

(4) Recycling and disposal contractors (departments)

- ① Technical and safety information for disassembling and proper disposal of the PC must be provided for recycling process.
Especially information of hazardous material(s) contained in the PC(s) must be provided.

P-1 Environmental conscious product design and manufacturing process

(1)Energy efficiency

- ① The products must be designed for energy saving.
- ② Information concerning power consumption, etc. must be given in catalogs, user's manuals, and/or on the product itself.

(2)Safety handling and electromagnetic noise

- ① Product Safety must follow JIS C6950, J60950, or equivalent.
- ② Electromagnetic noise level must comply with ;
 - ◆ The Guideline concerning low-frequency electromagnetic fields of computer displays (JEITA ITR-3004).
 - ◆ VCCI (Council on Voluntary Restrictions to Prevent Electromagnetic Noise from Computer, Etc.)

(3)Chemicals that could have a negative impact on health and/or the environment

- ① The product must be designed to comply with Japanese laws/regulations and managed the chemical substances based on the "Guidelines for the Management of Chemical Substances in Product, (JIG-101)" specified by Japan Green Procurement Survey Standardization Initiative (JGPSSI).

- ② Plastics housing parts weighting more than 25g must not contain intentionally added chemicals classified as carcinogens (groups 1 and 2A) by IARC (International Cancer Research Center) and/or they must not contain flame retardant substances/preparations above 0.1% classified as R45/46, R50/51/53 and R60/61.
- ③ The products supplies parts, maintenance parts, packaging materials, etc. must not contain substances restricted by the ozone layer preservation law.
- ④ The specific chemical substances which are Lead, cadmium, hexavalent chromium, mercury, or specific bromide flame retardants (PBB, PBDE) contained in a product must be less than reference percentage contents.

The product must be indicated the green mark specified by “The marking for presence of the specific chemical substances for electrical and electronic equipment (JIS 0950)” or the industry guideline that is applicable at the time of declaration. If there are exempt, the information of the percentage contents must be published at the Web site

- ⑤ Parts with direct and prolonged skin contact must not contain nickel.
- ⑥ The products must not contain asbestos.
- ⑦ The products must not contain polychlorinated biphenyl (PCB) and polychlorinated terphenyl (PCT).
- ⑧ The products must not contain short chain chloroparaffins (SCCP) with 10-13 carbon atoms in the chain containing at least 48% per mass of chlorine.
- ⑨ Halogen must not be added to insulation materials of power cord, all housing plastic parts and all printed circuit boards.
- ⑩ The maximum mercury content per LCD back light is 5mg or free from mercury.
- ⑪ Cadmium, lead and mercury must not be added to battery cells for battery pack and coin battery for backup as prescribed components.
- ⑫ If Manganese/Alkali manganese dry cells are attached to the product, the maximum mercury content is 0.0001% by weight.
- ⑬ The emission rate of specific volatile organic compounds must be less than the guideline values on the JEITA guideline 「VOC Guidelines for Personal Computers」 that is applicable at the time of declaration.
- ⑭ Halogenated organic compounds must not be added to plastics used for packaging.

The sum of percentage contents of lead, cadmium, hexavalent chromium, and mercury present in packaging or packaging components must not exceed 100ppm by weight.

- ⑮ User’s manuals must not use chlorine bleached paper.

(4)LCA

- ① Environmental impact at each stages of the product must be assessed by using LCA (Life Cycle Assessment).

P-2 3R conscious Design and Manufacturing

(1) Design for 'REDUCE'

- ① The products must be designed for material reduction.
- ② The products must be designed for longer life.

(2) Design for 'REUSE'

- ① Reusability of units/parts built in the product must be considered (e.g. HDD, FDD, Display, ODD, Memory, CPU, FAN etc).
- ② Reusable parts/units can be dismantled easily from the PC.
- ③ Manufacturing date of reusable parts must be provided.

(3) Design for 'RECYCLE'

- ① For ease of recycling, following must be considered. (a) To uniform metallic parts materials without influence to function, (b) To avoid surface processed materials which are difficult to recycle, (c) To adopt recyclable plastics.
- ② Plastics parts weighting 25g or more must be considered to minimize number of materials as much as possible without influence to function.
- ③ Plastics parts weighting more than 25g with surface area 200 sq-mm must be labeled on the parts in line with JIS K6899/K6999 and/or ISO 1043/11469 Section 5.1.1-5.1.3 for ease of sorting.
- ④ The product can be disassembled easily by material for material recycling.
- ⑤ Rechargeable batteries (Battery pack) must be labeled properly for recycling by battery type. In addition they can be removed easily from the product.
- ⑥ The product must be handled and transported easily when taking back.

(4) 'REDUCE' and 'RECYCLE' of user's manuals and packaging materials

- ① User's manuals/packaging materials must be reduced.
- ② User's manuals/packaging materials must be designed for ease of recycling.
- ③ Used packaging materials must be convenient for collection and transportation.

Instructions for Filling out Application to use PC Green Label (Company Examination for 2009)

1. Cover Page

- Company name: Name of the company in Japan who is responsible for the product(s) and brand name.
- 社印(Company seal): Official company seal registered in Japan
- Company Representative : Name of the person who is responsible for the application and operation of the PC Green Label. (Board member of the company is preferable)
- The following documents must be attached.
 - Certified copy of company register (No need for Companies who are members of PC3R).
 - Descriptions of PC development/manufacturing sites (companies) applicable to the PC Green Label shall be given in the column for the supplement on the attached sheet.
- 印(Seal/Signature): Seal or signature of Company Representative and person of focal point

2. Checklist

You must verify compliance of the standard by item on the checklist and if you meet the standard completely, fill out the column with “V” (e.g. C-2(1)①a).

On the top-sheet of the evidence to submit, descriptions shall be given on applicable items. If any information posted at a website is to be used as the evidence, URL shall be given in the applicable item on the attached sheet, without attaching such evidence.

If there is no change in the evidence submitted in the previous company examination, then a description shall be given to that effect in the applicable item on the attached sheet, without attaching any evidence (e.g. same as the evidence for company examination for 2007 version).

■ C-1 (1)

Applicants must comply with the following and provide evidence.

- List of developing and/or final assembling plants (companies) including OEM companies must be provided and ISO14001 must be certified for them. A copy of the ISO14001 certification notice (which must be valid at the time of application) by site must be attached.
- If the plant (company) has not got ISO14001 certification yet but has an equivalent system, applicant(s) must provide evidence which shows ISO14001 equivalent system is being implemented and operated effectively. (Documents may be in Japanese or English)

■ C-1 (2)

- Chemicals restricted by the Law for Ozone Layer Preservation refer to: CFCs, HCFCs, bromomethane, Halon, HBFCs, carbon tetrachloride and 1.1.1- trichloroethane.
- Substances such as detergents directly used in the part or product manufacturing process are applicable

■ C-1 (3)

- Applicant must provide evidence, which shows that the assessment is actually being conducted. Environmental reports or design checklists may suffice this requirement.

■ **C-1** (4)

- Applicant must provide evidence, which shows that the company can offer product repair service for at least 5 years. A copy of the user's manual or operating instructions stating so may suffice.

■ **C-1** (5)

- Applicant can fill out "V" if both or one of following applications concerning PC recycling of business/household PCs have been approved by the government. Evidence must be attached.
 - [Certification under either the Wide Area Recycling Directive or the Wide Area authorization of the Waste Management and Public Cleaning Law]
 - [Approval certificate for Collection, Transport and Disposal under the Waste Management and Public Cleaning Law]
- Applicant must provide evidence showing that the company is conducting periodical review of subcontractor's recycling processes. (It can be limited to primary subcontractors).

■ **C-2** (1)

- About ①a, the copy of an applicable page of the handling description, etc. which indicate the safety handling must be appended.
About ①b, the copy of the WEB site, etc. which publish the collection inquiry window and treatment procedures of used PC must be appended.
- About ②, the copy of the handling description with which repair conditions, upgrade, and the inquiry window are indicated, or the Web site must be appended.
As for a display, about ②b, considering as the outside of an object is also good.
- About ③, the copy of the WEB site which publish the collection and recycling status for the used PC must be appended. Only the first application is excluded.
- About ④, the environmental reports etc. must be appended. (Documents may be in Japanese or English). If the company has not published the environmental reports yet but the information of the environmental policy and recycling are published at the Web site, fill out "V".

■ **C-2** (2)

- Applicant must provide evidence showing the company has distributed the proper information (regarding collection conditions) to local governments.

■ **C-2** (3)

- Applicant must provide an evidence of the disclosed information that shows repair manuals.

■ **C-2** (4)

- About ①, the information enable to the proper treatment is provided for recycler(s) and disposal vendor(s), fill out "V". The information for recycler(s) and disposal contractor(s) should publish at the Web site or provide the documents according to the request.
- About ②, information of the percentage contents for lead, hexavalent chromium, mercury, and specific bromide flame retardants (PBB, PBDE) are published at the Web site based on 「The marking for presence of the specific chemical substances for electrical and electronic equipment (JIS C 0950)」, fill out "V" and the copy of the Web site must be appended.

Instructions for Filling out Application to use PC Green Label (Product Examination for 2009)

1. Cover Page

For desktop computer set model which contain display, please submit separate reports for the PC and display segments of the unit. However, for units which are powered by a single AC cord and for which separate power consumption measurements are not possible, and All-in-One PC, submit as a single report. The desktop type (set) fits this definition.

- Reporting Company name: Name of company (including group companies) approved at the company examination is filled out.
- Person responsible for this report: Name of person externally responsible for results of assessment. (It should be person in Japan in charge of product development/design or person in charge of assessing product and should be ranked as department manager or higher.)
- Person responsible for contacts: Person to serve as a liaison with the person responsible for report concerning the contents of this report. (It should be a person responsible for contact with PC3R or the environmental committee.)

2. Environmental performance

It summarizes information such as the environmental performance of the products. It includes a portion that is indicated automatically based on the results of a cover page and a checklist, and a portion to be input. After the cover page in Item 1 and the checklist in Item 3 have been filled out, input shall be made for the portion not indicated.

- Series name/model name (model number): series unit & equipment size unit & representative model name (model number) shall be described. If a representative model name (model number) (e.g. PC-AAAA**BB) has been used, an explanation of “**” shall be given in the column for the model name (model number).
- Selling points of the product: Matters related to the environment that are peculiar to the product shall be described.
- Enquiry: The e-mail address of a department or section that can respond to enquiries from outside is desirable.

3. Checklist

(1) The mandatory items of the checklist have to be satisfied (fill out the column with "V"). The optional items of checklist must be satisfied more than one optional item as well (fill out the column with "V").

The items for adding points shall be used to evaluate environmental performance, and if the product to be reported conforms to such performance, the item being considered shall be marked with "V".

(2) Regarding the desktop type (set), each of the main body portion and the display portion needs to comply with the requirements only with regard to the following five items. If there is any item on which one portion complies with the requirements but the other portion does not, then it shall be deemed that such item is not complied with.

- ① All housing plastic parts are free from halogen. (unit is inapplicable)
- ② All printed circuit boards are free from halogen. (component and unit are inapplicable)
- ③ User's manuals do not use chlorine bleached paper.
- ④ Environmental impact at each stages of the product is assessed by using LCA (Life Cycle Assessment).

- ⑤ Plastics parts weighting more than 25g avoids surface finish of metal plating.

(3)The input procedure shall be as follows.

- ①After the product type has been checked, confirm if dry cells are packed together. Since the dry cell item is checked as “no” when the product type has been checked, re-check the item to “yes” if the dry cells are packed together.
- ②Check the items for “Optional,” “Mandatory,” and “Adding points.” Regarding VOC in Item P-1(3)⑬, check the item for “Compliant” or “Under measurement.”
- ③Click the “Finalize” button. If “Noncompliant” is indicated on the situation of compliance, it shows that there are unchecked items and the column for a mandatory item that is not input is indicated in pink. Also, when the “Finalize” button has been clicked, necessary data are transferred to the sheet for environmental performance.
- ④If data for new products are to be prepared by quoting any data that were prepared reviously, either of the following methods shall be employed.
 - If part of the data is to be corrected for the same product type, make corrections for such part. However, if the checklist has been corrected, click the “Finalize” button again.
 - When inputting another product type, re-select the product type. This re-selection resets the following: whether dry cells are packed together, non-applicable items for each type, and items for adding points. And so re-input data for these items and click the “Finalize” button.

■ **P-1** (1)①

- Regarding the Energy Star Program, if there are any conditions of compliance, write them down in the column for model name (model number) on the sheet for environmental performance in Item 2.
- The Energy Star Program can be downloaded from the following URL.
http://www.energystar.gov/index.cfm?c=product_specs.pt_product_specs
- “Automatic brightness adjustment” is to adjust the brightness of the screen by sensing the brightness of the surrounding area where the PC is placed.

■ **P-1** (1)②

- The equivalent “Information concerning power consumption, etc.” refers to the explanation of power consumption, energy consumption efficiency and energy saving function. (All of them need not to be described.)

■ **P-1** (2)①

- The equivalent standards are IEC60950, UL60950, CSA60950 and so on.

■ **P-1** (2)②

- “JEITA ITR-3004” can be downloaded from the following URL.
<http://it.jbmia.or.jp/~tc/gl-lowfreq-3.pdf>

■ **P-1** (3)①

- Fill out “V”, if related laws/regulations are strictly observed (see the reference below) and the “Guidelines for the Management of Chemical Substances in Product, (JIG-101)” is applied to manage the chemical substances. If it makes sure in dome document, such as “purchase specification” and “Confirmation by the manufacturer” that the company ask to manage the chemical substances, fill out “V” for the moment.
- “Use of substances” refers to which substances are intentionally added to render materials or parts realize a certain performance or function when manufactured. Impurities and chemicals used in the production process, but theoretically not remaining in the parts are not applicable.

- "Guidelines for the Management of Chemical Substances in Product, (JIG-101)" can be downloaded from the following URL.

http://210.254.215.73/jeita_eps/green/green8-eg.htm

[Reference]

Type-1 chemicals specified by the Chemical Examination Law (Law Concerning the Examination and Regulation of Manufacture, etc of Chemical Substances) and the toxic chemicals banned by the Industrial Safety and Health Law must not be used.

■ **P-1** (3)②

- "Plastic housing parts" refer to plastic parts used as personal computers, displays, keyboards, mice and remote controller's casings, and not to internal units and parts.
- High polymer materials used as raw materials among specified IARC substances are not applicable.
- This item does not apply to cadmium, hexavalent chromium, and formaldehyde because **P-1** (3) ④ applies to cadmium and hexavalent chromium and **P-1** (3) ⑬ apply to formaldehyde.
- If it makes sure in some document, such as "purchase specification" and "Confirmation by the manufacturer" that the company avoid purchasing certain chemicals, fill out "V" for the moment.
- Refer to the URL below for the IARC
<http://www.safe.nite.go.jp/japan/sougou/ListTable.do>
- Refer to the URL below for the Risk Phrases

http://eur-lex.europa.eu/LexUriServ/site/en/oj/2004/l_216/l_21620040616en00030310.pdf#search='2004/73/EC'

■ **P-1** (3)③

- If it makes sure in some document, such as "purchase specification" and "Confirmation by the manufacturer" that the company avoid purchasing components which use the Ozone layer depletive substances, fill out "V".

■ **P-1** (3)④

- Refer to the effective Japanese Industrial Standard "The marking for presence of the specific chemical substances for electrical and electronic equipment (JIS C0950) Annex B" at the time of an application about exemptions and the calculation of percentage contents.
- The green mark must be indicated more than one of product, packaging, catalog, Web site, or handling description.

■ **P-1** (3)⑤

- Portions of a PC that are touched for a long period of time when the PC is operated include the palm rest of a notebook PC, the mouse, and the housing and pen for a tablet PC.

■ **P-1** (3)⑨

- "Plastic housing parts" refer to plastic parts used for personal computers, displays, keyboards, and not to internal units, parts, mice, remote controllers and AC adapters.
- "Printed circuit boards" refer to boards used directly for personal computers, displays, and not to power supplies, HDDs, ODDs, keyboards, mice, remote controllers, and parts.
- Chlorine and bromine are applicable for halogen.

■ **P-1** (3)⑬

- The product which has a largest emission rate at the one type of PC should be selected for measurement considering volume, weight, display size, thermal distribution, material data and so. If the measurement result shows the emission rate less than guideline value, all products at one type of PC can be assumed as to satisfy the requirement.

However, in case the result has a little margin to the guideline value, several units should be measured and judged.

If the measurement of emission rate can not be done until applied date of Product Evaluation report, fill out “△”. When the measurement will be done and if the measurement result satisfies the criteria, the Product Evaluation report must be re-submitted promptly. If not, the applied date and type/model of relevant PC must be reported. (There is no specific format for the report.)

- VOC guidelines can be downloaded from the following URL
http://it.jeita.or.jp/infosys/committee/environ/0601VOCguideline_en/index.html
- When the VOC guideline is revised, the measuring result by previous version can be used for judgement during 6 months after it was revised.

■ **P-1** (3)⑮

- Organic halogen compounds refer to: plastics such as polyvinylchloride, flame retardants for plastic, and foaming agents for plastic.

■ **P-1** (4)①

- As for the assessment method for LCA (Life Cycle Assessment), assessment shall be done by using each manufacturer's original LCA program or an LCA program of a third-party organization. Here assessment shall be made by conversion into CO₂ emissions.

■ **P-2** (1)①

- It shall be based on Environmental Design guideline. (Fill out “V”, if equal to or better than the model compared to.)
- The definition of the Recycled plastics is according to JIS-Q14021.

[Example]

Terms relating to the percentage of recycled materials are defined as follows。

- a) **Percentage of recycled materials** This is a quantitative comparison (percentage) of the amount of recycled material used in the product or packaging. Recycled materials must be declared as Pre-Consumer and Post-Consumer. These are defined as follows.
 - 1) **Pre-Consumer material** This is material collected as waste during the manufacturing process. This excludes which would be reintroduced back into the originating process such as: material found to be unfit for use, scrap, or waste from grinding or polishing.
 - 2) **Post-Consumer material** This is material collected from consumer households as well as “end-user” retail establishments and manufacturers, and includes any materials that are no longer being used for their original intended purpose. It can also include materials returned from the distribution channels.
- b) **Recycled material** This is material remanufactured from materials collected from the manufacturing process as well as parts containing such materials
- c) **Recovered (Reused) material** Waste materials that are intended for disposal, materials that are supplied with the intent of recovering energy, or materials that are collected for use in a recycling or manufacturing process for the purpose of replacing new raw materials.

■ **P-2 (1)②**

- Fill out “V”, if the product is up-gradable by customers with adding memory to it as far as the manufacturer can guarantee.

■ **P-2 (2)①**

- Determined based on Environmental Design guideline.

[Reference]

- "Reuse" refers to reuse of the product as it was or using as repair parts or so after repaired or processed them in other ways --- they were selected as such among the used products taken back from their users and collected.

■ **P-2 (2)②**

- Determined based on Environmental Design guideline.
- Decision is based specifically on whether the product is configured to facilitate removal, including number of screws, type and method of fastening at the period of product designing, or if the numbers and types of tools required to disassemble the product is minimized.

■ **P-2 (2)③**

- Determined based on Environmental Design guideline.

■ **P-2 (3)①**

- Determined based on Environmental Design guideline.
- It is based specifically on assessment and quantitative estimate of mass percentage of materials and parts determined to be recyclable after being used.

■ **P-2 (3)③**

- Determined based on Environmental Design guideline.
- It does not apply to parts that may lose their function, even if they weigh 25g or more (e.g. Light conducting plate)

■ **P-2 (3)④**

- Determined based on Environmental Design guideline.
- Basically, improving the recycling rate with priority on reusing and material-recycling is important, and especially plastic parts have to make sure that coating, plating, painting, print, labeling, metal inserts, and bonding are avoided or reduced.
- “Heterogeneous Materials” refers to finished goods that are at least partially constructed of different materials glued or otherwise attached together that would require physical effort to detach or disassemble.

(e.g. A plastic part that contains imbedded screws in its interior.)

■ **P-2 (3)⑤**

- About removed easily from the product, if the product is on A, B, or C level of Environmental Design guideline, fill out "V".

■ **P-2 (4)①**

- "User manuals" refer to manuals developed under the responsibility of the applicant.
- "Virgin pulp considering environment" means that the materials of paper (wood, etc.) are to be in compliance with the regulations concerning forestry in its country of origin.
- "Electronic manual" refer to HDD in the personal computers and/or attached medium.
- About mass, if it has become below equivalent conventionally as compared with the model, it will consider as "V."

■ **P-2 (4)②**

- It is based on whether the product conforms to the Law for Promotion of Effective Utilization of Resources.

[Reference]

The laws mentioned herein specify paper and plastic containers/packaging as "designated label products" for sorting and collection, and manufacturers are obligated to label them to identify the materials they are made of. The mark for identifying the item is specified by the Law for Promotion of Effective Utilization of Resources. The marks are provided at the following sites:

<http://www.aeha.or.jp/02/a02.html>

■ **P-2 (4)③**

- Determined based on Environmental Design guideline.

Application Code for the “PC Green Label Logotype”

1 Purpose

This code is to prescribe the application of the “PC Green Label Logotype” (hereinafter referred to as ‘Logo’), which demonstrates that the item with the label meets the “PC Green Label Standards” as established by the “Environmental Committee” under the PC3R. The object of this code shall be to promote the “PC Green Label System” through its appropriate application.

2 Scope of Application

The scope of the application of the Logo covers: brochures, manuals, packages, advertisements, and the like concerning products which meet the “PC Green Label Standards”. However, the Label must not be applied directly onto the product.

3 Qualification to use the Logo

PC3R may approve the use of the Logo only to such companies as have passed the examination for the “PC Green Label Application (company examination)”. Any successful company shall be approved to use the Logo immediately upon being informed of the qualification. Approved companies shall verify that their products meet the “PC Green Label Product Examination Standards” before using the Logo on them.

4 Transaction for non-conformity

- (1) In the event that any product using the Logo is found not to conform to the “PC Green Label Standards”, the user of the Logo must immediately cease application of the Logo.
- (2) Any Logo user not following the above transaction after a product indicated by the Logo is found not to conform to the “PC Green Label Standards” is liable to disqualification by PC3R from application of the Logo.

5 Lapse of qualification

Any company whose qualification is no longer valid due to a change or review of the “PC Green Label Standards”, shall also be deprived of the qualification to use the Logo, unless the company has re-applied for and passed the examination for the “PC Green Label Application (company examination)”.

6 Statements accompanying the Logo

- (1) When using the Logo, it shall be accompanied with the following statements in reference example.

e.g.1) “PC3R「PC グリーンラベル制度」の審査基準(××××年度版)を満たしています。詳細は、Web サイト <http://www.pc3r.jp> をご覧下さい。”






e.g.2) “パソコンの設計・製造からリユース・リサイクルに至るまで、環境に対する包括的な取り組みを表した環境ラベルです。PC3R「PC グリーンラベル制度」の審査基準(××××年度版)を満たしています。詳細は Web サイト <http://www.pc3r.jp> をご覧下さい。”

Note1) The user has the choice of indicating the statement only without the Logo.

- 2) When a product meet old and new version of Standards and described on a catalog, the version (year) and relevant product should be described clearly.

3) The URL can be used the <http://www.pc3r.jp/greenlabel/index.html>

- (2) The statements shown in (1) above shall always accompany the logo, except for the package, but not necessarily be adjacent to the Logo. In advertising, the statement may be shown as a footnote or suchlike.

Basic design	
<p>Digital data shall be used as it is, magnified or reduced. Do not reduce or magnify the logo with a photocopier.</p>	
Basic color	
<p>In Color indications: ■ Specific color: DIC: 638 ■ Four-color process: cyan 90% + yellow 100% ■ Specific color: DIC: 163 ■ Four-color process: magenta 50% + yellow 100%</p>	
<p>In mono-color indications ■ 100% ■ 60% screening</p>	
Correlation with background color	
<p>When the background color is similar to the logo color, make the blanks more than 1mm.</p>	
Smallest applicable size	
<p>More than 13mm width is recommended.</p>	
Samples of prohibited usage	
<p>Deformation of the logo, modification in design and use of any color other than the basic colors are prohibited. However, if the logo mark is too small or if the printing quality cannot be maintained due to the state of the printing surface such as a carton box, the gray portion with a mono color shall be capable of being used if the range of 30-100% screening.</p>	