

# PC Green Label System

## [ Scope of Application ]



This English translation gives briefly for the PC Green Label guideline's contents. If deviation occurred, Japanese takes precedence.

February, 2008

PC 3 R Promotion Center

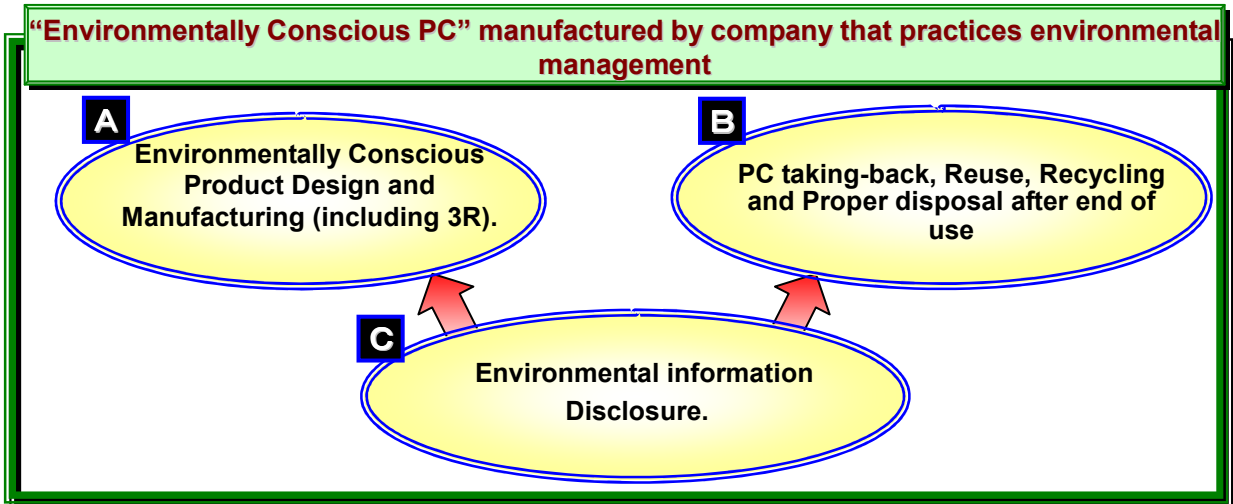
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# PC Green Label System Overview

## 1 Concept

The “PC green label” indicates PC maker’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 affect everything from corporate structure to product design and manufacturing.
- Self declaration type of label because of product characteristics of short life
- Attempts to raise environmental standards for the entire industry rather than produce a top runner.

## 2 Label’s value for Users: “You can trust both the Product and its manufacturing company in environmental aspects.”

- PC company discloses 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, and so on, during use.
- Proper treatment must be taken place after taking back discarded products.

### **3 Label's 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.

### **4 Applicable Products**

- Desktop type PC, Notebook type PC, All-in-One PC and/or Display including attachments (Hereafter referred to as a "PC").

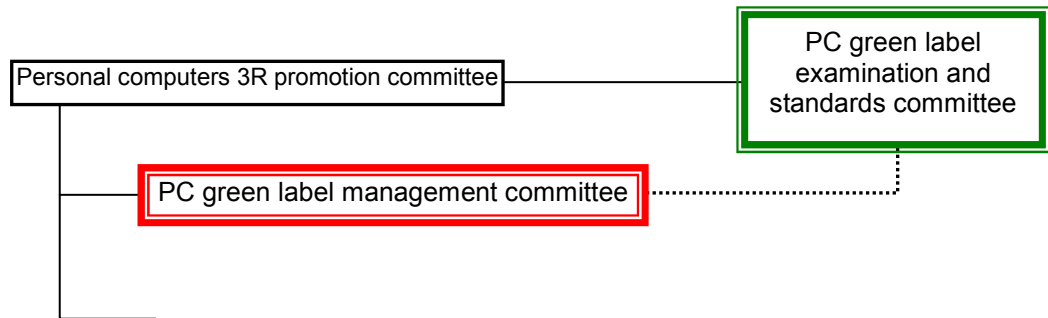
A thin client terminal computer is considered as PC.

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 PC green label management committee (hereafter referred to as the Management Committee).



## 2 Duties of Management Committee

① The Management 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 It is particularly important to maintain neutrality, transparency and objectivity when creating standards for (a), (b) and (c). In order to ensure this, the Examination and Standards Committee consisting primarily of people of experience or academic standing was established to propose standards.

(The Examination and Standards Committee is chaired by Professor Ishitani of Keio University. His term of duty is scheduled to be 2 years.)

## 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 Management Committee makes the final decision while giving maximum consideration to the Examination and Standards Committee's draft of proposed standards. The decision of Management 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 Management Committee. When this is determined, the Management 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 Management Committee determines if the company conforms to examination standards in accordance with the prescribed checklist. 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. This however does not apply to the case where extenuating circumstances are deemed appropriate to exempt certain requirements in the supplementary section at the end of the checklist.

◆ At least one requirement must be met concerning the selection on the left side and related items.

(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 Management Committee deems them necessary. If, after approval, there are any changes to the contents of the company application, the company is to notify the Management Committee in a timely manner. (Free format)

(d) If the company examination is passed with condition, the applicant needs to report to the Management Committee as soon as the condition is cleared. Evidence must be attached. (Free format)

(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

PC 3R promotion center members : free for examination

PC 3R promotion center assistant members : fifty thousand yen for examination

PC 3R promotion center non-member: : hundred thousand yen 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. 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 Management Committee.  
(The person in charge of communicating information concerning product examination must send the information to the secretariat by e-mail as a PDF or MS-Word 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 company must also be prepared to receive inquiries concerning ompliance. 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 Report of “PC Green Label” Application for Judgment the result of product examination  
The company must hand in the report of “PC Green Label” application for Judgment the result of product examination to use PC Green Label to a secretariat in order to prove adequate performance of judgment the result of examination and the report must be examined by the Management Committee.  
After the result of judgment, the company must submit a proposed amendment, if some improvements are requested.  
The submission of the report of “PC Green Label” Application for Judgment the result of product examination as follows.
- The company newly applied and passed the company examination should be submitted this report within two months after the submission of the product examination report.
- Then, when there are the following revision and change, this report about the revision/change item should be submitted.
- Within about two months after product examination standard is revised and the product examination is reported.
  - Within about two months after product examination method is changed and the product examination is reported.
- The secretariat will inform the result of examination within about 1.5 months after submission of the report.
- ⑥ Role of the committee secretariat
- (a) The committee secretariat is to create a section on green label system and management in the PC 3R promotion center (hereinafter referred to as 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 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.

## (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 Management Committee. (There is no specific format for the report.)
  - ◆ 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 Management Committee.
- ③ 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

- ① The label system applies to the products (not only new products) shipping from October 01, 2001.
- ② The 2008 standard applies as follows  
Company examination: from January 1, 2007  
Product examination: from April 1, 2008  
However, the 2007 standard can be applied until the end of May, 2008.

## 5 PC3R section responsible for the green label system



**PC 3R promotion center**

**PC Green Label Office**

**[Tel] 03-5282-7820**

**[FAX] 03-3233-6091**

**[Post code] 101- 0052**

**[Address] Tokyo, Chiyoda-ku, Kanda  
ogawacho 3 -8 Nakakita-biru 7F**

**[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 Information Technology Equipment (Version 2), (JEIDA-G-19-2000)” (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) PC recycling**

- 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 company must provide collection, transportation, recycling and disposing system/processes for PC’s discarded by businesses and households (including rechargeable batteries)
  - ◆ The company must provide a recycling process of discarded PCs.
  - ◆ The facilities or sub-contractors of PC recycling system should be implemented EMS (Environmental Management System). The company should review actual recycling process of sub-contractors periodically.

### **C-2** Environmental information

#### **(1) For Users**

- ① The product(s) with PC Green Label must be disclosed on the Web site, etc.

- ② Information for product safety and contact point(s) for disposal must be indicated on the user's manual, Web site, etc.
- ③ Information of contact point(s) for repairing and functional upgrading service must be indicated on the user's manual, Web site, etc.
- ④ An annual status report of PC taking-back, recycling and disposal must be disclosed.
- ⑤ 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)For Local governments**

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

## **(3)For Maintenance service contractors (departments)**

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

## **(4) For 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 product must be designed to follow the most current year's Japanese energy saving law or the most current year's International Energy Star Program.
- 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 JEIDA-37 or JIS C6950, J60950, or equivalent.
- ② Electromagnetic noise level must comply with ;
  - ◆ The JEITA 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 frames weighting more than 25g (PC, display, keyboard and mouse) must not contain intentionally added chemicals classified as carcinogens (groups 1 and 2A) by IARC (International Cancer Research Center).
- ③ The products supplies parts, maintenance parts, packaging materials, etc. must not contain substances restricted by the ozone layer preservation law.
- ④ Cadmium, lead or mercury must not be added to battery cells for battery pack and coin battery for backup as prescribed components.
- ⑤ Halogenated organic compounds must not be added to plastics used for packaging.
- ⑥ The sum of percentage contents of lead, cadmium, hexavalent chromium, and mercury present in packaging or packaging components must not exceed 100ppm by weight.
- ⑦ 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.
- ⑧ The percentage contents for lead, hexavalent chromium, mercury, and specific bromide flame retardants (PBB, PBDE) must be less than the reference, and 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
- ⑨ 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.
- ⑩ The maximum mercury content per LCD back light is 5mg or free from mercury.

## **P-2 3R conscious Design and Manufacturing**

### **(1) Design for 'REDUCE'**

- ① Product design for compactness, material reduction and longer life must be considered with following aspects without influence to function.
  - ◆ Parts quantity and commonality
  - ◆ Ease of repair/maintenance
  - ◆ Use of longer life materials
  - ◆ Reuse of used parts and/or recycled materials
  - ◆ Use of bio plastic for material reduction
- ② Functional upgrade-ability considering ease and safe operation must be provided in the product design.
  - ◆ Upgrade with commonly available tools

## **(2) Design for 'REUSE'**

- ① Reusability of units built in the product must be considered (e.g. HDD, FDD, Display, CR-ROM, Memory, etc).
- ② Reusable parts/units can be dismantled easily from the PC. They also must be designed dust-protective and easy cleaning.
- 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. They also can be removed easily from the product.
- ⑥ The product must be handled and transported easily when taking back.
- ⑦ Units/parts which require proper disposal can be removed easily from the product. (Batteries, fluorescent tube, etc)

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

### **① REDUCE**

- ◆ Volume and weight reduction of user's manuals and packaging materials must be considered.
- ◆ User's manuals must be printed on recycled paper or paper used virgin pulp considering environment and they must be non-chlorine bleached paper.
- ◆ Recycled plastic, bio plastic materials, or recycled paper for packaging must be used for material reduction.

### **② RECYCLE**

- ◆ Packaging must be designed to use recyclable materials such as cardboard and Styrofoam. Also, it must be designed to separate easily by material.
- ◆ Paper and plastic packaging/wrapping materials/cartons must be labeled in compliance with the Law for Promotion of Effective Utilization of Resources.

- ③ Used packaging materials must be convenient for collection and transportation.

**Application for Use of the PC Green Label**  
**(Company Examination for Environmental Systems - 2007 Version)**


**To: PC3R Promotion Center**

<b>Date</b>	
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As attached, please be requested to qualify my company to use the “PC Green Label” based on commitment to operate in line with the standards of PC Green Label System.

<b>Company name</b>	 Company seal
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**[Company Representative]**

<b>Division / Title</b>	
<b>Name</b>	 Block Letter <span style="float: right;">Seal/signature</span>

**[Focal Point]**

<b>Division / Working Location</b>	
<b>Title</b>	
<b>Name</b>	 Block Letter <span style="float: right;">Seal/signature</span>
<b>Tel/fax</b>	
<b>E-mail</b>	

## PC Green Label Checklist

### (Company Examination for Environmental Systems – 2007 Version)

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

	Item	Optional	Mandatory
<b>(1)</b>	<b>Environmental management system</b>		
①	PC developing and/or manufacturing Plant(s) or company has been certified ISO 14001 (environmental management system).	<input type="checkbox"/>	
②	PC developing and/or manufacturing Plant(s) or company is certifying ISO 14001 (environmental management system).	<input type="checkbox"/>	
③	PC developing and/or manufacturing Plant(s) or company has established the system equivalent to ISO14001.	<input type="checkbox"/>	
<b>(2)</b>	<b>Ozone layer depletive substances</b>		
①	The ozone layer depletive substances are not used in PC manufacturing process and replaceable unit including OEM product.		<input type="checkbox"/>
②	The ozone layer depletive substances are not used in reuse and recycle process of used PC.		<input type="checkbox"/>
<b>(3)</b>	<b>Environmental Design Assessment</b>		
①	The assessment items, standards and method are clarified.		<input type="checkbox"/>
②	The operation procedure of assessment is provided.		<input type="checkbox"/>
③	The assessment results are recorded and stored.		<input type="checkbox"/>
<b>(4)</b>	<b>System for long use of PC.</b>		
①	Product repair service is provided for at least five years after the end of sales date of the product.		<input type="checkbox"/>
<b>(5)</b>	<b>System of PC taking back and proper disposing</b>		
①	<b>Recycling system that conforms to the Law for Promotion of Effective Utilization of Resources and the Waste Management and Public Cleaning Law</b>		
a	The logistics of taking back discarded business/household PCs (including rechargeable batteries) 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 are established.		
b	The facilities and/or a system for material recycling, etc are established.		

c	Subcontractors who are performing recycling/reusing and/or disposing discarded PCs establish a proper Environmental Management System. Also, the periodical review for actual processes of the subcontractor(s) is conducted.		<input type="checkbox"/>
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**C-2 Environmental information**

	Item	Optional	Mandatory
<b>(1)</b>	<b>Environmental information for Users</b>		
①	The product(s) with PC Green Label is disclosed on the Web site, etc.		
②	Information concerning safe use and disposal in the user's manual, etc		
a	The information of how to use the PC safely is provided.		<input type="checkbox"/>
b	The information of contact point(s) for disposing discarded PCs is provided.		<input type="checkbox"/>
③	Information concerning repair conditions and functional upgrade capability		
a	The appropriate information of conditions for repairing is provided.		<input type="checkbox"/>
b	The appropriate information of conditions for functional upgrading is provided.		<input type="checkbox"/>
c	The information of contact point(s) for repairing and functional upgrading service are provided.		<input type="checkbox"/>
④	Disclosure of environmental information		
a	The information about taking back status of discarded PCs is disclosed every year.		
b	The information about recycling and disposal status of discarded PCs is disclosed every year.		
⑤	PC products which passed product examination are marked the green label logo under regulations concerning use of the green label logo.		
<b>(2)</b>	<b>Information for Local governments</b>		
①	Terms and conditions for discarded household PCs that are gathered by local governments are disclosed.		<input type="checkbox"/>
<b>(3)</b>	<b>Information for Maintenance service contractors (departments)</b>		
①	The information for easy maintenance and repair are provided to promote long-use of the PC.		<input type="checkbox"/>

<b>(4)</b>	<b>Information for Recycling and disposal contractors (departments)</b>		
①	Technical and safety information for disassembling and proper disposal of discarded PCs are provided.		<input type="checkbox"/>
②	The information of hazardous material(s) contained in the PC is provided.		<input type="checkbox"/>



**【Supplement】 Describe details for the items which are marked with a delta ( $\Delta$ ).**

## Instructions for Filling out “PC Green Label Checklist”

(Company Examination for Environmental Systems – 2007Version)

■ 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”. In case you meet the standard with condition, fill out the column with “Δ”. Items marked with “Δ” require supplementary explanation in the last page of the application form. For the items not to be selected for optional items, fill out the column with “ (blank)”.

■ Every application documents must be written in Japanese or English.

### ■ 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 Promotion Center).
  - List of PC development/manufacturing sites (companies) applicable to the PC Green Label must be provided. (Free format)
- 印(Seal/Signature):Seal or signature of Company Representative and person of focal point

### ■ **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)
- If the plant (company) has not got ISO14001 certification yet but has a plan to receive it, you can fill out “Δ” and must submit a planning report as far as first application. Moreover, after acquisition of it, submit the copy of the registration certificate promptly..

### ■ **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]
- If the applicant has submitted the above certification applications already and waiting approval from the government, you can fill out "Δ" when it restricts to a first time application. The copy of the applications must be attached.

In case approval certificate, applicant must provide evidences showing all over Japan is covered.
- 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 ①, applicant must append the copy of the Web site publishing the type/model complied with the standards. If there is a corresponding schedule even if it is not yet carrying out, it will consider as "Δ" and will enter as a supplementary matter.
- About ②a, the copy of an applicable page of the handling description, etc. which indicate the safety handling must be appended.

About ②b, the copy of the WEB site, etc. which publish the collection inquiry window and treatment procedures of used PC must be appended.
- About ③, 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 ③b, considering as the outside of an object is also good.
- About ④, the copy of the WEB site which publish the collection and recycling status for the used PC must be appended. If there is a corresponding schedule even if it is not yet carrying out, it will consider as "Δ" and will enter as a supplementary matter.
- About ⑤, the copy of the Web site or catalog, etc. of PC green label Logo must be appended. If there is a corresponding schedule even if it is not yet carrying out, it will consider as "Δ" and will enter as a supplementary matter.

■ **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 0950)」, fill out “V” and the copy of the Web site must be appended.

## Report of “PC Green Label” Application (Product Examination – 2008 Version)

To: PC3R promotion center

<b>Date</b>	
-------------	--

As attached, please be informed that my company has applied the PC Green Label to the product after confirming compliance with PC Green Label standards.

<b>Company name</b>	
---------------------	--

<b>Type/model</b>		<b>Type</b>	1. Desktop 2. Notebook 3. All in one unit 4. Display
		<b>Model compared to</b>	
<b>URL to be planed</b>	<i>http://</i>		

**[Responsible Person of the Product]**

<b>Division / Title</b>	
<b>Name</b>	

**[ Focal Point]**

<b>Division / Working Location</b>	
<b>Title</b>	
<b>Name</b>	
<b>Tel/fax</b>	
<b>E-mail</b>	

# PC Green Label Checklist

## 【Product Examination - 2008 Version】

### **P-1** Environmental conscious product design and manufacturing process

#### (1) Energy efficiency

Item		Optional	Mandatory
<b>① Compliance to applicable Laws and Regulations</b>			
Notebook Desktop All-in-one PC	The product complies with the FY 2007 requirement specified by Japanese Law Concerning the Rational Use of Energy (MITI Bulletin No. 50, March 29, 2006)	<input type="checkbox"/>	
Display	The report of logo usage for International Energy Star Program Regulations that are in place at the time of application has been completed.	<input type="checkbox"/>	
Thin client terminal computer	The product is not required by Japanese Law Concerning the Rational Use of Energy nor Energy Star Program	<input type="checkbox"/>	
<b>② Information concerning power consumption, etc.</b>			
a	The information provides on the catalogs/user's manuals.	<input type="checkbox"/>	
b	The information provides on the product itself.	<input type="checkbox"/>	

#### (2) Safety handling and electromagnetic noise

Item		Optional	Mandatory
<b>① Product safety follows with JEIDA-37 or JIS C6950, J60950, or equivalent.</b>			<input type="checkbox"/>
<b>② Electromagnetic noise</b>			
Display	Guidelines concerning low-frequency electromagnetic fields of computer displays (JEITA ITR-3004) is satisfied.		<input type="checkbox"/>
Notebook Desktop All-in-one PC Display	VCCI (Council on Voluntary Restrictions to Prevent Electromagnetic Noise from Computer, etc.) is satisfied.		<input type="checkbox"/>

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

Item		Optional	Mandatory
<b>① The PC is 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)”.</b>			<input type="checkbox"/>

②	Plastics housing parts weighting more than 25g (Enclosures of PC, display, keyboard and mouse) do not contained intentionally added chemicals classified as carcinogens (levels 1 or 2A) by IARC .		<input type="checkbox"/>
③	The substances regulated by Ozone Layer Protection Law are not be used for the components, the consumables, the maintenance parts and so on.		<input type="checkbox"/>
④	Battery cells for battery pack and coin battery for back-up		
a	Battery cells for battery pack and coin battery for back-up do not add cadmium, lead, or mercury as prescribed components.	<input type="checkbox"/>	
b	The product does not use the battery pack nor coin battery for back-up.	<input type="checkbox"/>	
⑤	Halogenated organic-compounds are not added to plastics used for packaging.		<input type="checkbox"/>
⑥	The sum of percentage content of lead, cadmium, hexavalent chromium, and mercury present in packaging or packaging components is not be exceed 100ppm by weight.		<input type="checkbox"/>
⑦	The specific chemical substances which are Lead, cadmium, hexavalent chromium, mercury, and specific bromide flame retardants (PBB, PBDE) contained in a product are less than reference percentage content.		<input type="checkbox"/>
⑧	The percentage content for lead, hexavalent chromium, mercury, and specific bromide flame retardants (PBB, PBDE) are less than the reference, and the green mark specified by 「The marking for presence of the specific chemical substances for electrical and electric equipment (JIS 0950)」 or the industry guideline that is applicable at the declaration is indicated. And, the information of the percentage contents are published at the Web site if there are exempts.		<input type="checkbox"/>
⑨	The emission rate of specific 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.		
⑩	Mercury for back-light of LCD Display		
a	The back-light is mercury free.	<input type="checkbox"/>	
b	The amount of mercury used in back-light is less than 5mg/light.	<input type="checkbox"/>	
c	The product does not use back-light.	<input type="checkbox"/>	

## **P-2** 3R conscious Design and Manufacturing

### (1) Design for 'REDUCE'

Item	Optional	Mandatory
① Product design for compactness, material reduction and longer life without influence to function		
a Commonality of parts and reduction of quantities are considered.	<input type="checkbox"/>	

	b Ease of repair and maintenance is considered.	<input type="checkbox"/>	
	c Use of longer life materials is considered.	<input type="checkbox"/>	
	d Reuse of used parts and/or recycled materials is considered.	<input type="checkbox"/>	
	e Bio plastic is used for material reduction.	<input type="checkbox"/>	
<b>②</b>	<b>Ease and safe of upgrade for functional upgrade-ability without influence to function</b>		
	a Memory can be added.	<input type="checkbox"/>	
	b Units and parts can be added or changed to enhance performance.	<input type="checkbox"/>	
	c The product can be connected with peripherals.	<input type="checkbox"/>	
	d The product can be upgraded with commonly available tools.	<input type="checkbox"/>	

**(2) Design for 'REUSE'**

Item		Optional	Mandatory
<b>①</b>	<b>Reusability of units/parts built in the product (e.g. HDD, FDD, Display, CR-ROM, Memory, etc.)</b>		
	a The product uses reusable units and parts.		<input type="checkbox"/>
	b Reusable units and parts are disclosed.		<input type="checkbox"/>
<b>②</b>	<b>Dismantle, Dust-protective and easy cleaning of reusable parts/units</b>		
	a The product configuration enable reusable parts is easily removed.		<input type="checkbox"/>
	b The product configuration facilitates cleaning.		<input type="checkbox"/>
<b>③</b>	<b>Manufacturing date of reusable parts</b>		
	a The life (MTBF) of units and parts are known clearly.	<input type="checkbox"/>	
	b The manufactured date of units and parts are clearly known.	<input type="checkbox"/>	

**(3) Design for 'RECYCLE'**

Item		Optional	Mandatory
<b>①</b>	<b>For ease of recycling</b>		
	a The metallic parts materials are uniformed without influence to function.	<input type="checkbox"/>	
	b The materials which are coated with metals, paints, or resins which make them difficult to recycle for recyclable parts, are avoided.	<input type="checkbox"/>	
	c The recyclable plastics are adopted.	<input type="checkbox"/>	



②	Plastics parts weighting 25g or more are considered to minimize number of materials as much as possible without influence to function.		<input type="checkbox"/>
③	The plastic parts are provided with the marking in accordance with by "JIS K6899/K6999" and/or "ISO1043/11469". The parts of less than 25g in weight or less than 200mm <sup>2</sup> in areas of the flat part are excluded.		<input type="checkbox"/>
④	<b>Ease disassemble by material for material recycling</b>		
a	The product is configured to facilitate disassembly and separated so that recyclable materials and parts can be separated for recycling.	<input type="checkbox"/>	
b	The product is configured so that heterogeneous materials can be easily separated from each other.	<input type="checkbox"/>	
c	The product is configured so that materials and parts that inhibit recycling can be easily removed.	<input type="checkbox"/>	
d	There is an established method of disassembling and separating the product for recycling. And the man-hour required for disassembly and separating has been reduced.	<input type="checkbox"/>	
e	The product is designed to reduce the number of parts and screws.	<input type="checkbox"/>	
f	Workers easily distinguish the materials and materials used in parts for sorting.	<input type="checkbox"/>	
⑤	<b>Rechargeable batteries (Battery pack)</b>		
a	Rechargeable batteries are labeled based on the Law for Promotion of Effective Utilization of Resources for battery type and they can be removed easily from the product.	<input type="checkbox"/>	
b	The product does not use the rechargeable batteries.	<input type="checkbox"/>	
⑥	The product can be handled and transported easily when taking back.		<input type="checkbox"/>
⑦	Units/parts, which require proper disposal, can be removed easily from the product (batteries, fluorescent tube, etc.).		<input type="checkbox"/>

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

Item		Optional	Mandatory
①	<b>REDUCE</b>		
a	Volume and weight reduction of user's manuals are considered.	<input type="checkbox"/>	
b	Volume and weight reduction of packaging materials are considered.	<input type="checkbox"/>	
c	User's manuals are printed on recycled paper or paper used virgin pulp considering environment and they are non-chlorine bleached paper.	<input type="checkbox"/>	
d	Recycled plastic materials, Bio plastic materials, or recycled paper for packaging are used for material reduction.	<input type="checkbox"/>	
②	<b>RECYCLE</b>		
a	Packaging is designed to use recyclable materials such as cardboard and Styrofoam. Also; it is designed to separate easily by material.		<input type="checkbox"/>
b	Paper and plastic packaging/wrapping materials and cartons is labeled in compliance with the Law for Promotion of Effective Utilization of Resources		<input type="checkbox"/>
③	<b>Used packaging is convenient for collection and transportation.</b>		<input type="checkbox"/>

## Instructions for Filling out the Application of PC Green Label (Product Examination - 2008 Version)

■ 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 optional items, if they are not selected, fill out the column with blank " ".

■ 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 cable and for which separate power consumption measurements are not possible, and All-in-One PC, submit as a single report.

■ Considering the characteristics of each product, the following items are not applied.

Desktop type PC and All-in-One PC: **P-2**(3)⑤  
Display: **P-2**(1)②, **P-2**(2), **P-2**(3)⑤

### ■ Reporter

● Reporting Company name: Name of company (including group companies) approved at the company examination is filled out.

● Type/model: If the type/model will not fit in the blank provided, you may attach it separately (no specific format is required). If there is no comparable model, please enter "---" in the column.

● 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 Promotion Center or the management committee.)

### ■ **P-1** (1) ①

● The Energy Star Program can be downloaded from the following URL.

[http://www.energystar.gov/index.cfm?fuseaction=find\\_a\\_product.showProductGroup&pgw\\_code=MO](http://www.energystar.gov/index.cfm?fuseaction=find_a_product.showProductGroup&pgw_code=MO)

### ■ **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](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, keyboards and mouse 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) ② applies to cadmium and hexavalent chromium and **P-1** (3) ② apply to formaldehyde.
- If it makes sure in dome 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>

■ **P-1** (3) ③

- If it makes sure in dome 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) ⑤

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

**P-1** (3) ⑦

- Refer to the effective Japanese Industrial Standard “The marking for presence of the specific chemical substances for electrical and electronic equipment (JIS C0950:2005) Annex B” at the time of an application about exemptions and the calculation of percentage contents.

**P-1** (3) ⑧

- The green mark must be indicated more than one of product, packaging, catalog, Web site, or handling description.

**P-1** (3) ⑨

- 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](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 6monthes after it was revised.

**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.)
- Recycled plastics are included in 'recycled materials', whose definition 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

- It is 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.
- "Information of reusable parts" refers to which the parts to be reused must have any indication/label of its serial number or the like in order to be used by the repairer or recycler.

■ **P-2** (2) ②

- It is 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

- It is based on Environmental Design guideline.

■ **p-2** (3) ①

- It is 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

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

■ **P-2** (3) ④

- It is 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.
- 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>

<http://www.aeha.or.jp/02/hyoujijirei.pdf>

**P-2 (4) ③**

- It is based on Environmental Design guideline.

**Report of “PC Green Label” Application for  
Judgment the result of product examination  
(Product Examination – 2008 Version)**

**To: PC3R promotion center**

As attached, please be informed that my company has applied the PC Green Label to the judgment the result of the product examination to the product after confirming compliance with PC Green Label standards.

<b>Date</b>	
-------------	--

<b>Company name</b>	
---------------------	--

**[Responsible Person in charge of the report]**

<b>Division/Working Location</b>	
<b>Name</b>	
<b>Title</b>	
<b>TEL/FAX</b>	
<b>E-mail</b>	

<b>Type/model</b>	<input type="checkbox"/> Desk top <input type="checkbox"/> Notebook <input type="checkbox"/> All in one unit <input type="checkbox"/> Display
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## **P-1** Environmental conscious product design and manufacturing process

### (1) Energy efficiency.

Item	Method for judgment	Evidence
① Compliance to applicable Laws and Regulations a. Notebook, Desktop, All-in-one PC The product complies with the FY 2007 requirement specified by Japanese Law Concerning the Rational Use of Energy (MITI Bulletin No. 50, March 29, 20) b. Display The report of logo usage for International Energy Star Program Regulations that are in place at the time of application has been completed. c. Thin client terminal computer The product is not required by Japanese Law concerning the Rational Use of Energy nor Energy Star Program	<ul style="list-style-type: none"> <li>Power consumption based on the measuring method of Japanese Law Concerning the Rational Use of Energy. The publication to measurement data or product specifications, and a product catalog is checked.</li> <li>Since it is below the basic point of the classification which computes energy consumption efficiency, judge as conformity.</li> </ul>	○ Example: Product catalog etc.
② Information concerning power consumption, etc. a. The information provides on catalogs/user's manuals. b. The information provides on the product itself.	<ul style="list-style-type: none"> <li>Check a product catalog and a handling description.</li> <li>Since a power consumption value and energy consumption efficiency are indicated, judge as conformity.</li> </ul>	○ Example: Product catalog etc.

### (2) Safety handling and electromagnetic noise .

Item	Method of judgment	Evidence
① Product safety follows with JEITA-37 or JIS C695004, J60950, or equivalent.	<ul style="list-style-type: none"> <li>Check the design and evaluation data by the in-house regulation based on IEC60950.</li> <li>Since the standard is satisfied, judge as conformity</li> </ul>	/
② Electromagnetic noise a. Guidelines concerning low-frequency electromagnetic fields of computer displays (JEITA ITR-3004) b. VCCI (Council on Voluntary Restrictions to Prevent Electromagnetic Noise from Computer, etc.)	<ul style="list-style-type: none"> <li>A display checks the measurement data based on the in-house regulation based on "JEITA ITR-3004".</li> <li>Since the standard is satisfied, judge as conformity.</li> <li>Check the measurement data or the notification document based on VCCI.</li> <li>Since the standard is satisfied, judge as conformity.</li> </ul>	<b>Only b</b> ○ Example: Notification document etc.



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

Item	Method of Judgment	Evidence
①The PC is designed to comply with Japanese laws/regulations and managed the chemical substances based on the “Guidelines for the management of Chemical Substances in Products, (JIG-101)”.	<ul style="list-style-type: none"> <li>▪ Check the evaluation result of the in-house regulation based on the “Guidelines for the management of Chemical Substances in Products, (JIG-101)”.</li> <li>▪ Since the prohibit substance is not used and the control substance is managed, judge as conformity.</li> </ul>	/
②Plastics housing parts weighting more than 25g (Enclosures of PC, display, keyboard and mouse) do not contain intentionally added chemicals classified as carcinogens (levels 1 or 2A) by IARC (International Cancer Research Center).	<ul style="list-style-type: none"> <li>▪ Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>▪ Since the prohibit substance is not used, judge as conformity.</li> </ul>	/
③ The substances regulated by Ozone layer Protection Law are not used for the components, the consumables, the maintenance parts and so on.	<ul style="list-style-type: none"> <li>▪ Same as the above</li> </ul>	/
④Battery cells for battery pack and coin battery for back-up a. Battery cells for battery pack and coin battery for back-up do not add cadmium, lead, or mercury as prescribed components. b. The product does not use the battery pack nor coin battery for back-up.	<ul style="list-style-type: none"> <li>▪ Same as the above</li> </ul>	/
⑤ Halogenated organic-compounds are not added to plastics used for packaging.	<ul style="list-style-type: none"> <li>▪ Same as the above</li> </ul>	/
⑥ The sum of percentage content of lead, cadmium, hexavalent chromium, and mercury present in packaging or packaging components are not be exceed 100ppm by weight.	<ul style="list-style-type: none"> <li>▪ Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>▪ Since the sum of percentage content does not be exceed 100ppm by weight, judge as conformity.</li> </ul>	/
⑦The specific chemical substances which are Lead, cadmium, hexavalent chromium, mercury, and specific bromide flame retardants (PBB, PBDE) contained in a product are less than reference percentage content.	<ul style="list-style-type: none"> <li>▪ Check either the evaluation result of the in-house regulation based on Environmental Design guidelines or the result of green procurement.</li> <li>▪ Since a part of the substance of an object (PBB, PBDE) is not used and the other substances are included content below the reference percentage content value, judge as conformity.</li> </ul>	/

<p>⑧The percentage content for lead, hexavalent chromium, mercury, and specific bromide flame retardants (PBB, PBDE) are less than the reference and the green mark specified by 「The marking for presence of the specific chemical substances for electrical and electric equipment (JIS C0950)」 or the industry guideline that is applicable at the declaration is indicated. And, the information of the percentage contents are published at the Web site if there are exempts.</p>	<ul style="list-style-type: none"> <li>Check the disclosure for concentration value of specific substances specified at JIC C 0950:2005, by product, package, catalog and WEB site.</li> </ul>	<p>○ URL of WEB site</p>
<p>⑨ The emission rate of specific organic compounds is less than the guideline values on the JEITA guideline 「VOC Guidelines for Personal Computers」 that is applicable at the declaration.</p>	<ul style="list-style-type: none"> <li>Check the evaluation result of the emission rate based on the VOC guideline.</li> <li>Since the result is satisfied the guideline, judge as conformity</li> </ul>	
<p>⑩Mercury for back-light of LCD Display</p> <p>a. The back-light is mercury free.</p> <p>b. The amount of mercury used in back-light is less than 5mg/light.</p> <p>c. The product does not use back-light.</p>	<ul style="list-style-type: none"> <li>Check the evaluation result of the in-house regulation.</li> <li>Since the mercury free lights are used for LCD back light, judge as conformity.</li> </ul>	

## **P-23R** conscious Design and Manufacturing

### (1) Design for 'REDUCE'

Item	Method of judgment	Evidence
<p>①Product design for compactness, material reduction and longer life without influence to function</p> <p>a. Commonality of parts and reduction of qualities are considered.</p> <p>b. Ease of repair and maintenance is considered.</p> <p>c. Use of longer life materials is considered.</p> <p>d. Reuse of used parts and/or recycled materials is considered.</p> <p>e. Bio plastic is used for material reduction.</p>	<ul style="list-style-type: none"> <li>Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>Since the design for reduce is carried out, judge as conformity</li> </ul>	
<p>②Ease and safe of upgrade for functional upgrade-ability without influence to function</p> <p>a. Memory can be added.</p> <p>b. Units and parts can be added or change to enhance performance.</p> <p>c. The product can be connected with peripherals.</p> <p>d. The Product can be upgraded with commonly available tools.</p>	<ul style="list-style-type: none"> <li>Check evaluation result of the in-house regulation based on Environmental Design guidelines, a product catalog, or a handling description, etc.</li> <li>Since upgrade is carrying out the easy design, judge as conformity.</li> <li>A display is object outside.</li> </ul>	<p>○ Example: A product catalog or handling description etc.</p>

**(2) Design for 'REUSE'**

Item	Method of judgment	Evidence
① Reusability of units/parts built in the product (e.g. HDD, FDD, Display, CR-ROM, Memory, etc.) .	<ul style="list-style-type: none"> <li>• Check the evaluation result of the in-house regulation based on Environmental Design guidelines, a handling description etc.</li> <li>• Since the reusable parts/units are adopted, judge as conformity.</li> <li>• A display is object outside.</li> <li>• Check the manufacturing Documents.</li> </ul>	<p><b>Only a</b> ○ Example: A product catalog or handling description etc</p>
a. The product uses reusable units and parts.		
b. Reusable units and parts are disclosed.		
② Dismantle, dust-protective and easy cleaning of reusable parts/units	<ul style="list-style-type: none"> <li>• Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>• Since the separation of the reusable parts is considering as easy structure, judge as conformity.</li> <li>• A display is object outside.</li> </ul>	
a. The product configuration enable reusable parts is easily removed.		
b. The product configuration facilitates cleaning.		
③ Manufacturing date of reusable parts	<ul style="list-style-type: none"> <li>• Check the specifications of the parts for reuse.</li> <li>• Since MTBF and the date of manufacturing are clear, judge as conformity.</li> </ul>	
a. The life (MTBF) of units and parts are known clearly.		
b. The manufactured date units and parts are clearly known.		

**(3) Design for 'RECYCLE'**

Item	Method of judgment	Evidence
① For ease of recycling	<ul style="list-style-type: none"> <li>• Check the specifications of the parts for reuse.</li> <li>• Since MTBF and the date of manufacturing are clear, judge as conformity.</li> </ul>	
a. The metallic parts materials are uniformed without influence to function.		
b. The materials which are coated with metals, paints, or resins which make them difficult to recycle for recyclable parts, are avoided.		
c. The recyclable plastics are adopted.		
② Plastics parts weighting 25g or more are considered to minimize number of materials as much as possible without influence to function.	• same as the above	
③ Are the plastic parts provided with the marking in accordance with by "JIS K6899/K6999" and/or "ISO1043/11469". The parts of less than 25g in weight or less than 200mm <sup>2</sup> in areas of the flat part are excluded.	• same as the above	
④ Ease disassemble by material for material recycling	• same as the above	

a The product is configured to facilitate disassembly and separated so that recyclable materials and parts can be separated for recycling.		
b. The product configured so that heterogeneous materials can be easily separated from each other.		
c The product configured so that materials and parts that inhibit recycling can be easily removed.		
d There is an established method of disassembling and separating the product for recycling. And the man-hour required for disassembly and separating has been reduced.		
e. The product designed to reduce the number of parts and screws.		
f. Workers easily distinguish the materials and materials used in parts for sorting.		
⑤ Rechargeable batteries (Battery pack)	<ul style="list-style-type: none"> <li>• Check the evaluation result of in-house regulation based on the Promotion of Effective Utilization of Resources and the Waste Management Law.</li> <li>• Since a product using a rechargeable battery is labeled and the battery is easy to remove from the product, judge as conformity.</li> </ul>	
a. Rechargeable batteries are labeled based on the Law for Promotion of Effective Utilization of Resources for battery type and they can be removed easily from the product.		
b. The product does not use the rechargeable battery.		
⑥ The product can be handled and transported easily when taking back.	<ul style="list-style-type: none"> <li>• Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>• Since it is considering as the structure for recovery and conveyance, judge as conformity.</li> </ul>	
⑦ Units/parts, which require proper disposal, can be removed easily from the product (batteries, fluorescent tube, etc.).	<ul style="list-style-type: none"> <li>• Check the evaluation result of the in-house regulation based on Environmental Design guidelines, a handling description, etc.</li> <li>• Since it is considering as the structure for prior sorting and proper disposal, judge as conformity.</li> </ul>	

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

Item	Method of judgment	Evidence
① REDUCE	<ul style="list-style-type: none"> <li>• Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>• Since it is considering as the handling description and packing material for reduce, judge as</li> </ul>	
a. Volume and weight reduction of user's manuals are considered.		
b. Volume and weight reduction of packaging materials are considered.		

c. User's manuals are printed on recycled paper or paper used virgin pulp considering environment and they are non-chloreine bleached paper.	conformity.	
d. Recycled plastic materials, Bio plastic materials, or recycled paper for packaging materials are used for material reduction.		
<b>② RECYCLE</b>	<ul style="list-style-type: none"> <li>▪ Check the evaluation result of the in-house regulation based on Environmental Design guidelines and the Law for Promotion of Effective Utilization of Resources.</li> </ul>	<b>Only b</b>
a. Packaging is designed to use recyclable materials such as cardboard and Styroform. Also, it is designed to separate easily by material.	<ul style="list-style-type: none"> <li>▪ Since the packing material design and discernment display for recycling are given, judge as conformity.</li> </ul>	○ (picture of a discernment display)
b. Paper and plastic packaging/wrapping materials and cartons are labeled in compliance with the Law for Promotion of Effective Utilization of Resources.		
<b>③</b> Used packaging is convenient for collection and transportation.	<ul style="list-style-type: none"> <li>▪ Check the evaluation result of the in-house regulation based on Environmental Design guidelines.</li> <li>▪ Since the design for collection and conveyance is carried out, judge as conformity.</li> </ul>	

Note: The contents of Methods of Judgment is one sample.

## 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 “PC Green Label Management Committee” under the PC3R Promotion Center (hereinafter referred to as “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:  
“This product conforms to the examination standards (xxxx version) under PC3R’s ‘PC Green Label System’. Please refer to the <http://www.pc3r.jp> web site for details.”  
The user has the choice of indicating the statement only without the Logo.  
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.
- (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.
- (3) Statements other than those in (1) above must not be put adjacent to the Logo as captions.

(4) However, when used for purposes of explanation or for pasting a link, other text may be used.

## Basic design





Digital data shall be used as it is, magnified or reduced.

Do not reduce or magnify the logo with a photocopier.





## Basic color

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%



In mono-color indications

-  100%
-  60% screening



## Correlation with background color



For black backgrounds



When the background color is similar to the Logo color, leave that part of the Logo white (blank out)



When the Logo color is difficult to distinguish from the background color, blank out the Logo color.

## Smallest applicable size

The smallest applicable size is limited to 8mm height × 13mm width as shown on the left. Anything smaller is prohibited.



## Samples of prohibited usage

Deformation



Use of any color other than the basic colors





Change in balance



Change in font



Modification in design



Background interfering with Logo



Use of the Logo in a sentence

company shall be approved  
to use the Logo immediately  
upon being informed of the  
qualification and the like  
concerning products


Separation of the Logo




## In Color indications

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%



In mono-color indications:

100%

 60% screening



The smallest applicable size:

The smallest applicable size is limited to 8mm height × 13mm width as shown on the left. Anything smaller is prohibited.

