

# Green Procurement Guideline



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**Yamaha Motor Co., Ltd.**

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## 1. Introduction

Since the establishment of our management philosophy called the “Management Focusing on Global Environment” in the early 1990s and the “Global Environment Policy” in 1991, we at Yamaha Motor group have always regarded environmental issues as an important pillar, and we are still enthusiastically working on environment protection activities.

- In recent years, ESG (environmental, social and governance) has become a factor that largely impacts our on company’s values. The Environmental factor (E) is especially an important item to be focusing on. Moreover, recent statistics show a growing number of regulations of environmentally hazardous substances in countries and regarding activities for environment protection. Yamaha Motor group, which develop its activities on a global scale, conduct thorough management on environmentally hazardous substances in order to comply with regulations.

All environment protection activities, including the management on environmentally hazardous substances, prevention of global warming, establishing societies that recycle, responses to water risks, activities for biodiversity, etc., are being implemented to tackle issues on a global scale. We believe that without promoting environment protection activities together with business partners, who understand our sense of the value for environmental issues, sustainable society will never be realized.

We kindly ask our business partners to understand the views of the Yamaha Motor group for the environment and our activities, and to conduct environment protection activities in an enthusiastic manner according to this guideline.

Yamaha Motor Group Environment Committee Chairman,  
Yamaha Motor Co., Ltd.  
Director



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Makoto Shimamoto

## 2. Yamaha Motor Group Activities for Environment

### 2.1 Approach Regarding the Global Environment

To advance our work towards environment, Yamaha Motor Co., Ltd. promotes activities in line with our Corporate Philosophy and Basic Policies of CSR.

<Corporate Philosophy (excerpt)>

= Fulfilling social responsibilities globally =

As a good corporate citizen, we act from a worldwide perspective and in accordance with global standards. We must conduct our corporate activities with concern for the environment and communities and fulfill our social responsibility with honesty and sincerity.

< CSR Policy (excerpt)>

Yamaha Motor group strives to contribute to the sustainable development of society through our business activities based on our corporate philosophy and to always abide by the letter and spirit of domestic and international laws and regulations. We are dedicated to earning the trust of the global community, and we place great value on communicating with all stakeholders. We expect all of business partners to share our principles and to act in accordance.

=The Environment (excerpt) =

- We develop environmental technologies to create products that balance economic needs with environmental well-being.
- We aim to minimize the environmental impacts of our operations and make efficient use of limited natural resources.
- We form wide-ranging partnerships with communities around the world to perform environmental conservation activities.

### 2.2 Environmental Activities

Yamaha Motor group has promoted various activities for the reduction of environmental impacts from a global point of view. To be more precise, we have established the “4 areas of approach” and the “9 critical areas of approach” according to our “Environmental Action Plan 2020” for our activity development.

<4 areas of approach>

- |                   |                  |
|-------------------|------------------|
| 1) Eco-Products   | 2) Eco-Operation |
| 3) Eco-Management | 4) Eco-Mind      |

<9 critical areas of approach>

- 1) Establishment and Administration of Environmental Management System
- 2) Control of Environmentally Hazardous Substances
- 3) Green House Gases Emission Reduction
- 4) Effective Utilization and Recycling of Resources
- 5) Water Consumption Reduction
- 6) Biodiversity
- 7) Environmental Education (Eco-Mind)
- 8) Sensory Environment (such as odors and noise)
- 9) Environmental Communication

### 3. Request to Business Partners

We would appreciate a full understanding of the Yamaha Motor Group Policy and cooperation in the activities.

#### 3.1 Establishment and Administration of Environmental Management System

We at Yamaha Motor group have established an environmental management system in order to promote environment activities in a more organizational and efficient way. We ask business partners to establish an environmental management system and operate it.

Precisely, we require business partners to meet one of the following (1) to (3).

- (1) Establish Environmental Management System through acquisition of ISO14001 certification.
- (2) Participate in the “Environmental Activities Evaluation Program (Eco-Action 21.)” by the Ministry of the Environment (Applied only in Japan)
- (3) Fulfill all the followings if not in the above case
  - ① Establish “Environmental Policy,” “Goals and action plans to achieve the goals” regarding environment.
  - ② Register officer, organization, and the like in charge of environment and perform appropriate environmental management activities with a reduction goal.
  - ③ Comply with the statutes regarding environment.
  - ④ Implement active activities toward environment on the following items (establish a system and evaluate by operation of self-imposed standard)
    - Understand the business risk and opportunities, and work on environment-related activities of high priority aggressively
    - Work on the activity in response to the 9 critical area for approach of Yamaha Motor group
  - ⑤ Clarify a measure against an emergency circumstance on environment

#### 3.2 Control of Environmentally Hazardous Substances

In recent years, an increase has been seen in the number of countries and regions that have established regulations on environmentally hazardous substances. Yamaha Motor group, which develop its activities on a global scale, conducts a thorough control to environmentally hazardous substances. It is vital for us to have support from business partners to be able to control the use of environmentally hazardous substances. Business partners, please make sure to implement chemical substance controls in a thorough manner.

To be more precise, we kindly ask business partners to implement such control in accordance with the “Table 1: Control of Environmentally Hazardous Substances Check List for Business Partners”.

Table 1: Control of Environmentally Hazardous Substances Check List for Business Partners

	Products by Yamaha Motor and Components/Materials Shipped with them				Components/Materials NOT Shipped with Products by Yamaha Motor
Target	Components, Spare parts	Raw materials	Packing materials (*1)	Secondary materials (*1), Accessories	Packing materials (*2) Secondary materials (*2) Materials indirectly used for manufacturing (*2) Equipment Supplied goods Construction materials
Instruction	Drawing (Design consignment sheet)	YGK Material Specifications	Drawing (including those equivalent to drawing)	Green Procurement Guideline	Green Procurement Guideline
Controlled substances	YGK-A-119	YGK-A-119	YGK-A-119	YGK-A-119	Green Procurement Guideline Table 2
Method of confirmation	•YGK-A-119 Declaration of conformity •IMDS, etc.	•YGK-A-119 Declaration of conformity •IMDS, etc.	•YGK-A-119 Declaration of conformity •IMDS, etc.	•YGK-A-119 Declaration of conformity •IMDS, etc.	Declaration of Non-Use, etc.
Timing of confirmation	As requested individually *At new setting At revising drawing At changing process, etc.	As requested individually *At new setting At changing material component, etc.	As requested individually *At new setting At changing material component, etc.	As requested individually *At new setting At changing material component, etc.	As requested individually *At starting new dealing At changing target substance list, etc.

\*1 : Components/Materials Shipped with Products by Yamaha Motor

\*2 : Components/Materials NOT Shipped with Products by Yamaha Motor

IMDS (International Material Data System)

It is an internet-based material data system which is used in the worldwide automobile/motorcycle industries (including Yamaha Motor) and is operated in order to control how chemical substances are used in each component of their products.

1) Products by Yamaha Motor and Components/Materials Shipped with them

<Applicable materials>

Products and their components, spare parts, raw materials for production, packing materials (\*1), secondary materials (\*1), accessories, and others

<Criteria>

Please comply with Yamaha Motor Technical Standards “Control Standard of Environmentally Hazardous Substances YGK-A-119”.

<Request to Business Partners>

- Business partners, who provide products, are required to submit one “YGK-A-119 Declaration of Conformity” etc.
- Even though a YGK-A-119 has been amended after the business partner has submitted a YGK-A-119 Declaration of Conformity etc., the latest YGK-A-119 shall be valid for the declaration.

- We may require business partners to provide us with data of the substances of a product using IMDS data, etc. Please do so by the deadline if such request is placed.
- When a change has occurred in the substance data of the products including IMDS data, which has been provided to us, due to the use of different compounds, etc., please submit a new data with or without our request.
- Other than the requirements stated in a YGK-A-119, there may be a case where Yamaha Motor group companies designate substances for control due to a group of the products, purposes and environment of use, circumstances of the countries and regions of use, etc. In such a cases, please do control additional substances as well.

## 2) Components/Materials NOT Shipped with Products by Yamaha Motor

### <Applicable materials>

Packing materials for protection between factories (\*2), secondary materials for factory (\*2), materials indirectly used for manufacturing (\*2), equipment, supplied goods (other company's brand), construction materials etc.

### <Criteria>

Please comply with the "Table 2: Global Common Banned Substances", in the Green Procurement Guideline.

Table 2 regulates only chemical substances that are globally banned. Separate from "Table 2: Global Common Banned Substances", companies of Yamaha Motor group may regulate the use of specific substances because of the purposes and the environments of use and according to the laws of countries and regions.

### <Request to Business Partners>

- We may ask business partners to submit the "Declaration of Non-Use" (one per business partner). Please do so by the deadline when such a request is placed.
- If amendments are made to Table 2 in the Green Procurement Guideline or any additional substances are specified for ban of use separate from Table 2 by the companies of Yamaha Motor group after the submission of the "Declaration of Non-Use" etc., we may ask business partners to resubmit the declaration. Please do so by the deadline when such a request is placed.
- Products purchased after the submission of the "Declaration of Non-Use" are subject to the declaration.
- In order to understand environmentally hazardous substances contained in the products and its quantity, we may launch investigations in regards to the applicable products by requesting reports on the conditions of ingredients, presentations of SDS, etc.

## Table 2 Global Common Banned Substances

Governing Statutes	Name of Banned Substances	CAS number (determined uniquely)	Threshold
The Stockholm Convention Annex A (Elimination)	Aldrin	309-00-2	None (It must not be detected in appropriate analytical method.)
	$\alpha$ -Hexachlorocyclohexane	319-84-6	
	$\beta$ -Hexachlorocyclohexane	319-85-7	
	Chlordane or Heptachlor	57-74-9 and others	
	Chlordecone	143-50-0	
	Dieldrin	60-57-1	
	Endosulfan or Benzoepin	115-29-7 and others	
	Endrin	72-20-8	
	Hexabromobiphenyl	36355-01-8 and others	
	Hexabromocyclododecane	3194-55-6 and others	
	Hexabromodiphenylether	36483-60-0 and others	
	Heptabromodiphenylether	68928-80-3 and others	
	Hexachlorobenzene	118-74-1	
	Hexachloro-1,3-butadiene	87-68-3	
	$\gamma$ -Hexachlorocyclohexane or Lindane	58-89-9	
	Mirex	2385-85-5	
	Pentachlorobenzene	608-93-5	
	Pentachlorophenol and its salts and esters	87-86-5 and others	
	Polychlorinated biphenyls(PCB)	1336-36-3 and others	
	The Stockholm Convention Annex B (Restriction)	Polychlorinated naphthalenes(PCN) (those containing 2-8 chlorine atoms)	
Tetrabromodiphenylether		5436-43-1	
The Minamata Convention on Mercury	Pentabromodiphenylether	60348-60-9	None (It must not be detected in appropriate analytical method.)
	Toxaphe	8001-35-2	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex A	Short-chain chlorinated paraffins (SCCP)	85535-84-8 and others	None (It must not be detected in appropriate analytical method.)
	Decabromodiphenylether	1163-19-5	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex B	1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane (DDT)	50-29-3	None (It must not be detected in appropriate analytical method.)
	Perfluorooctanesulfonate (PFOS) or its Salts, Perfluoro-1-octanesulfonyl fluoride (PFOSF) (※3)	1763-23-1 and others	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex C	Mercury and its compounds	7439-97-6 and others	None (It must not be detected in appropriate analytical method.)
	CFCs (CFC-11, FC-12, CFC-113, CFC-114, CFC-115)	75-69-4 and others	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex D	Halon	353-59-3 and others	None (It must not be detected in appropriate analytical method.)
	Other CFCs (CFC-13, CFC-111, CFC-112, CFC-211, CFC-212, CFC-213, CFC-214, CFC-215, CFC-216, CFC-217)	75-72-9 and others	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex E	Carbon tetrachloride	56-23-5	None (It must not be detected in appropriate analytical method.)
	1,1,1-Trichloroethane (Methylchloroform)	71-55-6	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex F	HBFCs	1868-53-7 and others	None (It must not be detected in appropriate analytical method.)
	Bromochloromethane	74-97-5	
The Montreal Protocol on Substances that Deplete the Ozone Layer Annex G	Methyl bromide	74-83-9	None (It must not be detected in appropriate analytical method.)

\*3 PFOS excepts the following purpose and usage.

- Photographic materials
- For semiconductors
- Photomask
- Medical devices
- Metal plating
- Firefighting foam
- Electrical/electronic parts for color printer
- Medical CCD color printer, etc.

\*4 For the threshold of mercury content in specified mercury-added products, see the provisions of the Minamata Convention on Mercury.



### 3.3 Green House Gases Emission Reduction

We at Yamaha Motor group have set the prevention of global warming as our critical environmental issue. To prevent global warming, we believe it is vital to work on it by looking through the whole life cycle. We kindly ask business partners to promote the preventive activities for global warming throughout its entire business.

- 1) Attempt to reduce energy consumptions on the entire life cycle (manufacturing, transport process, etc.) of the supplies
- 2) Attempt to improve efficiency of energy consumption on the supply itself
- 3) Attempt to utilize renewable energy aggressively

### 3.4 Effective Utilization and Recycling of Resources

We at Yamaha Motor group believe, to realize sustainable society, it is vital to utilize limited natural resources efficiently and to form a cyclical society. We kindly ask business partners to strive to minimize resources input.

- 1) Please be more effective for resource utilization.
  - Reduction of natural resource consumption
  - Reduction of packing materials
  - Reduction of resources input and industrial emissions at manufacturing stage and reduction of waste materials
- 2) Consider possibility of Reuse (simplicity of reuse, product longevity, etc.)
- 3) Consider possibility of Recycle (material recycle, thermal recycle, etc.)
- 4) Consider simplicity of treatment and disposal (simplification of disassembly and crushing disposal, etc.)

### 3.5 Water Consumption Reduction

The occurrence of droughts and floods has become more frequent with global environment changes, and the degree of damage has become more serious each time. With a consideration for water risks in each country and regions, we at Yamaha Motor group promote activities for the reduction of water use according to the risks. We kindly ask business partners to take actions for water risks according to the conditions of these countries, regions and locations.

- 1) Please promote water-saving by minimizing the amount of water intake as well as the effective use of water recycling technologies.
- 2) Please take actions according to water risks that are seen in various locations.

### 3.6 Biodiversity

The efficiency of our product can be maximized in various environments including areas surrounded with abundant nature. It is biodiversity that is vital to enrich our natural environment, which is one of the fields for our products. We are very enthusiastic in environment protection activities according to “Outline of Yamaha Motor’s Main Biodiversity Initiatives”. We kindly ask business partners to implement promotional activities for the preservation of biodiversity.

- 1) Please understand the impact of your business activities on biodiversity, and make effort to minimize it.
- 2) Please promote the preservation and nurture of nature with the consideration on the harmonization with the global environment to be able to respond to the crisis of biodiversity.

### 3.7 Environmental Education (Eco-Mind), Improvement in Sensory Environment (such as odors and noise), and Environmental Communication

We ask business partners to take actions for environmental education (Eco-Mind), improvement in sensory environment (odors, noise, etc.), and environmental communication.

### 3.8 Other Request to Business Partners

We would like to implement a survey on the state of environmental activities of business partners. We kindly ask for your cooperation.

## Revision Record (1)

Revision №	Date	Reasons and Contents of the Revision
1 st	June 30, 2003	Add Dichloromethane to substances to be banned (Stated in page 5)
2nd	June 30, 2004	<p>&lt;Banned Substances&gt; Add Azo Compounds and Dichloromethane.</p> <p>&lt;Substances to Seek Alternatives for&gt; Delete Polyvinyl Chloride. Add Short chain type chloridization paraffin, and arsenic and its compounds. Reconfirm and revise all the utilization of object substances.</p>
3rd	December 29, 2004	<p>The scope of application expands from Yamaha Motor Co., Ltd. to Yamaha Motor group.</p> <p>Change "Expiry Date of the Exemption" to "initiation date of the prohibition" in Table 2.</p> <p>Review starting date for the prohibition of Hexavalent Chromium in Table 2.</p> <p>Add zinc-iron alloy coating, zinc-nickel alloy coating for exemption utilization of Hexavalent Chromium.</p>
4th	August 1, 2005	<p>Add an expression of "in a spirit of self-imposed actions" in the Purpose for the Establishment.</p> <p>Add handling of guidelines at each operation, overseas, company, and group company in order to fit with the specific characteristics of products and parts, and attributes of the regions.</p> <p>Delete the "Initiation Date of the Prohibition" for lead contained in "solder in electronic circuit boards and other electric applications" in the Table 2.</p> <p>Add handling of spare parts in the Table 2.</p> <p>Add "Table 3: Substances for Reduction and Control."</p> <p>Add handling of "C (Check, Control) Substances"</p>
5th	December 28, 2005	<p>Add the green procurement promotion method.</p> <p>Change handling of spare parts.</p> <p>Add C substance table.</p>
6th	July 1, 2006	<p>Change agency responsible for publishing to the Environment Planning and Promotion Committee.</p> <p>Handling of by-products of banned substances was clarified.</p> <p>Add 2-(2H-1,2,3 benzotriazole-2-yl)-4, 6-di/tert-butylphenol to the type-one substances specified in the Law Concerning Examination and Regulation of Manufacture and Handling of Chemical Substances (Table 1 and Table 2).</p>

## Revision Record (2)

Revision №	Date	Reasons and Contents of the Revision
7th	December 28, 2006	Add 2.2.2-Trichloro-1,1-Bis (4-Chlorophenil) ethanol (Kersen or Dicofol), Hexachlorobuta-1,3-diene to the Class I Specified Chemical Substances in Law Concerning the Evaluation of Chemical Substances and Regulation of their Manufacture,etc..
8th	July 1, 2007	Add overall schedule of reduction of environmentally hazardous substances to 1. Purpose for the Establishment and the Application Range.
9th	December 28, 2007	Manage Asbestos under a statutes with stricter regulation.
10th	August 1, 2008	Add one banned substance
11th	July 30, 2010	<ol style="list-style-type: none"> <li>1. Revise definition of “D (Decrease) substances” and “C (Check, Control) substances”</li> <li>2. Additional Notes regarding the request for a Declaration of Non-Use of Environmentally Harmful Substances</li> <li>3. Change description of substitution deadline for dedicated supplementary parts.</li> <li>4. Update information on revisions to laws pertaining to “D (Decrease) substances” and “ C (Check, Control) substances”</li> </ol>
12th	November 22, 2010	Error correction of Table 1(Banned Substances)
13th	April 27, 2012	<p>Revision of the Purpose for the Establishment Changed from “Global Environmental Policy” to “ Approach Regarding the Global Environment.”</p> <p>Revision of the scope of application of Environmentally Hazardous Substances.</p> <p>Delete exemption utilization of “2-(2H-1,2,3-benzotriazole-2-yl)-4,6-di-tert-butylphenol” from Table 1” Banned Substances.”</p> <p>Added “PFOS or its Salts” to Table 1 “Banned Substances.”</p> <p>Correction in Table 2 “Substances to Seek Alternative for.”</p> <p>Deleted Sc “2-(2H-1,2,3 benzotriazole-2-yl)-4, 6-di/tert-butylphenol” and Sh”1,2,5,6,9,10-hexabromocyclododecane” from Table 2 “Substances to Seek Alternative for” due to the status change from region/application restriction to global application.</p> <p>Revision to notes for Table 2 “Conditions regarded as not containing.”</p>
14t	October 31, 2013	Add 12 banned substances
15th	January 30, 2015	<ol style="list-style-type: none"> <li>1. Changing of the position of HBCD at Table 1, from Sh to Sc.</li> <li>2. Correction of number errors of Dc at Table 3.</li> </ol>
16th	April 1, 2016	Add 2 banned substances

## Revision Record (3)

Revision No.	Date	Reasons and Contents of the Revision
17th	July 1, 2017	1. Revise description about environmental activity 2. Add 2 banned substances
18th	January 1, 2018	Revise description completely, including banned substances and others
19th	April 27, 2018	<Table 2 Global Common Banned Substances> Add SCCP , Decabromodiphenylether and Mercury compounds.

< Contact Address Concerning the “Green Procurement Guideline” >

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