

YAZAKI

Green Purchasing

Guidelines

Version 4
January 2020
YAZAKI Corporation

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1. Introduction

A Corporation in Step with the World, A Corporation Needed by Society—this corporate policy has been inherited as the Yazaki Group's mainstay and has supported all business activities since the company was established.

With a consistent attitude and conduct based on the corporate policy, we have fulfilled our corporate responsibility and mission by pursuing high quality manufacturing and building a system for supplying what is needed and when it is needed anywhere in the world by the optimum route for the optimum cost.

We have also developed our unique corporate management and corporate culture under voluntarism, equality, and reconciliation aiming for a global, multi-cultural company that grows with the world.

The corporate policy has been the common principle that connects the existence and value of the Yazaki Group.

For the realization of a sustainable society, the Paris Agreement as a new international framework for addressing global warming came into effect in 2016, which led to stepping up initiatives on global warming around the globe. The Nagoya Protocol on biodiversity entered into effect in 2014. The World Economic Forum (Davos) has identified environmental risks such as water crises (water risk) and loss of biodiversity as key future risks and global concern for environmental issues has been rising.

Based on the Yazaki Global Environment Charter, we have formulated the Yazaki Environment 5-Year Plan to clarify the roles of divisions and departments. Accordingly, we are not only ensuring compliance with environmental laws and regulations but also carrying out environmental conservation activities, including CO₂ emissions reduction and waste reduction, on a global scale. We are also committed to product manufacturing that is environment-friendly at all stages, from product development and design, to production, use, and disposal, and making efforts for the realization of a sustainable society by listening to the voices of people in local communities.

We, the Yazaki Group, recognize that these rapidly changing times provide us and our suppliers with great opportunities to make a big leap forward together. Therefore, we appreciate your cooperation in promoting the activities by involving your suppliers.

We would like to achieve our corporate policy through concerted efforts with all employees and suppliers.

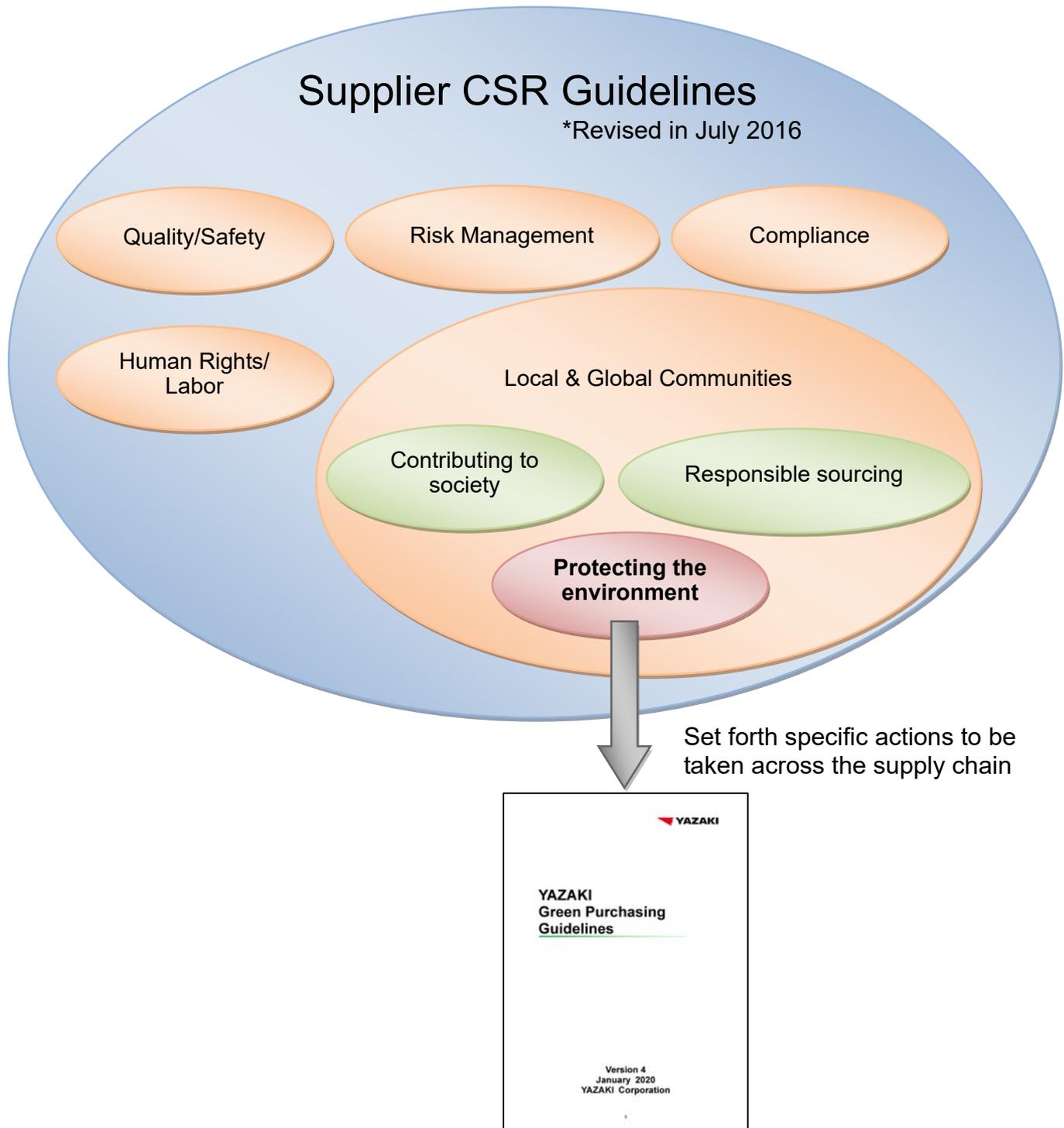
January 2020

Manabu Michihisa

Manabu Michihisa
Executive Officer
General Manager, Purchasing Division
YAZAKI Corporation

2. Positioning of Green Purchasing Guidelines

Our Corporate Identity, CSR Policy, and CSR initiatives that we expect from our suppliers are specified in our Supplier CSR Guidelines. YAZAKI Green Purchasing Guidelines put together specific actions that we would like our suppliers to take with regard to environmental protection activities stated in the Supplier CSR Guidelines. We aim to raise awareness of the need for and implementation of strategic environmental management by utilizing the guidelines and to facilitate environmental management of our suppliers in light of the entire business.



3. Revised contents

Global surveys of chemicals in automotive parts are conducted using the IMDS (International Material Data System).

We have material surveys have been conducted using the JAMA/JAPIA standard material datasheet in JAPAN. However since January 2020, we have switched to the IMDS substance survey tool.

In addition, in accordance with the review of target suppliers, and "Equipment materials" has been newly added.

The revisions are as follows.

5. Requests to Suppliers

- Added "Equipment materials" suppliers to requested items on environmental initiatives and applicable suppliers.
- Added "Managing chemicals in equipment materials" to managing chemical substances contained in delivered items for requested Items on environmental initiatives.
- The report of chemical substances contained in chemical substance management of delivered product shall be IMDS data.

6. Terminology

- KES deleted
- JAMA/JAPIA Standard Material Datasheet was deleted
- Added RoHS directive

4. Together with the Global Environment

Based on the corporate policy and the Fundamental Management Policy, the Yazaki Group established the Yazaki Global Environment Charter in 1997 to clarify the Environmental Policy of contributing to the preservation of the global environment and to the enrichment of our society, as well as the Action Guidelines for achieving the policy.

We will contribute to the development of a sustainable society through environmentally sound business activities and employee volunteerism.

Yazaki Group Corporate Policy
“A Corporation in Step with the World”
“A Corporation Needed by Society”

Fundamental Management Policy
Contribute to a prosperous future society through business focused on the environment and security. (Article of No. 3)

Yazaki Global Environment Charter

Environmental Policy

The Yazaki Group recognizes that the preservation of the global environment and its resources is a serious concern shared by all mankind. In line with our Fundamental Management Policy, we will strive to make the world a better place and work to enrich our society through environmentally sound business activities and employee volunteerism.

Action Guidelines

- 1. Enhance environmental management**
Raise environmental awareness among all employees and empower them as individuals to take responsible actions for environmental preservation.
- 2. Take action to prevent global warming**
Reduce greenhouse gas emissions at the production process and by the contribution of energy-saving product.
- 3. Promote the efficient use of resources towards the formation of a recycling-based society**
Utilize resources by promoting waste recycling and reduce discharges.
- 4. Manage and reduce environmentally hazardous substances**
Improve the management of environmentally hazardous substances in products and the production process.
- 5. Develop environmentally friendly products**
Consider global warming, recycling, and environmentally hazardous substances when developing products.



5. Requests to Suppliers

The Yazaki Group is committed to carry out its business activities not only in compliance with environmental laws and regulations but also with due consideration given to environmental protection, including prevention of global warming and effective use of resources.

We expect our suppliers to supply the best in the world at lower prices, more quickly in a timely and stable manner over the long term based on compliance with local laws and regulations and consideration given to local environments.

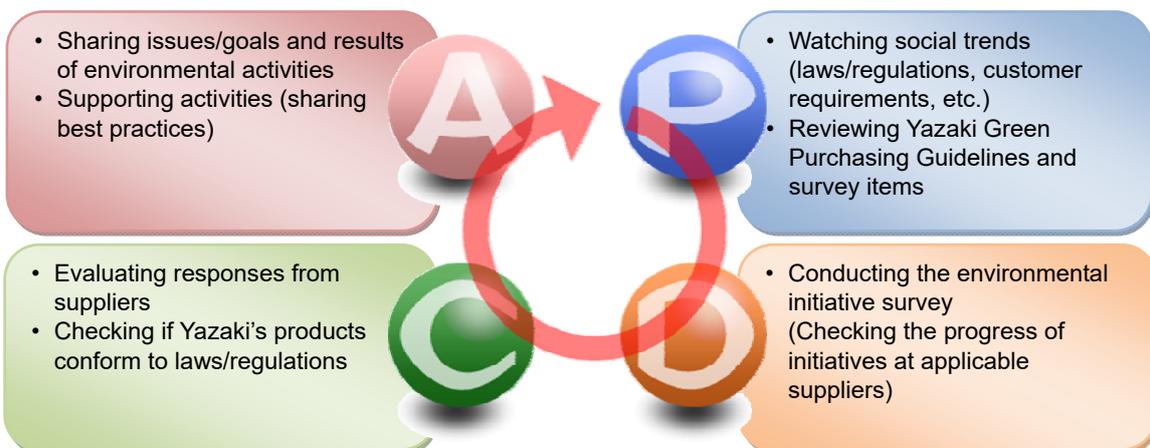
We therefore request our suppliers to ensure that they take actions for the environmental initiatives on the next page and going forward. To check the progress of environmental initiatives based on the guidelines, such as building an EMS, reducing CO₂ emissions and effectively using water resources, minimizing impact, we will conduct an environmental initiative survey with applicable suppliers once a year on a continual basis. We greatly appreciate your cooperation in this regard.

We will evaluate responses from our suppliers, and based on the results, we will identify issues in environmental initiatives and consider initiatives to take in the next fiscal year and onward. We will also use information about chemical substances contained in delivered goods to check whether our products conform to laws and regulations. Through such activities, we will improve the level of environmental initiatives across the supply chain.

If any of our suppliers is found to have violated environmental laws or regulations, we may suspend future business with them. If a supplier causes a serious environmental impact (e.g., environmentally hazardous substance, discharged water, exhaust gas, noise, vibration, odor), we will request the supplier to report the details of the violation and responses to the contact department (department in charge of purchasing).

<Target>

When issues on environmental management are shared with suppliers and PDCA cycles are implemented



<Requested Items on Environmental Initiatives and Applicable Suppliers>

Requested items on environmental initiatives	Applicable suppliers					
	Raw materials, parts, indirect materials	Packaging materials	Processing on commission ¹	Distribution	On-site outsourcing ²	Equipment materials ³
1) Environmental Management System (EMS)						
① Building an EMS	○	○	○	○	—	○
② Complying with environmental laws and regulations	○	○	○	○	○	○
2) Reducing CO ₂ emissions						
① Reducing on-site CO ₂ emissions	○	○	○	—	○	○
② Reducing CO ₂ emissions from logistics	○	○	—	○	—	○
3) Reducing generated waste	○	○	○	○	○	○
4) Effectively using water resources, minimizing impact	○	○	○	—	○	○
5) Reducing VOCs and chemical substances designated by the PRTR law	○	○	○	—	○	○
6) Managing chemical substances contained in delivered items						
① Developing a system for managing environmentally hazardous substances	○	○	○	—	—	○
② Managing chemicals in parts	○	—	○	—	—	—
③ Managing chemicals in raw materials and secondary materials	○	—	○	—	—	—
④ Managing chemicals in packaging materials	○	○	○	—	—	—
⑤ Managing chemicals in equipment materials	○	○	○	—	—	○
7) Promoting biodiversity	○	○	○	○	○	○

*1 Processing on commission: Suppliers who process/assemble with raw materials or parts provided by us

*2 On-site outsourcing: Suppliers who carry out activities on our sites, such as equipment, construction, cleaning, landscaping, and canteen operators

*3 Equipment materials: Suppliers who handle production equipment, molds, test equipment, infrastructure equipment, jigs and tools for YAZAKI products.

1) Environmental Management System (EMS) ① Establishing an EMS	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	○	—	○

We request all suppliers to promote environmental protection activities based on the acquisition of an ISO 14001 external certificate, and to establish and operate an EMS that allows for continual improvement.

For suppliers who have already established an EMS such as ISO 14001 and the like, we request that the EMS operation be maintained and continued.

We consider suppliers who have an EMS such as Eco Action 21, Ecostage as having established an “Environmental Management System”, but we appreciate their continued efforts in acquiring the ISO 14001 certificate externally.

To establish an EMS across the supply chain, we request our suppliers to check and guide the EMS activities of suppliers, and also request our suppliers to raise their awareness when necessary.

We will check our suppliers’ status of acquisition of certificates every year. Please submit a copy of your EMS registration certificate when we request it.

<Reference>

- Japanese Standards Association: https://www.jsa.or.jp/dev/iso_iso1400/
- Ministry of the Environment Eco Action 21: <http://www.env.go.jp/policy/j-hiroba/04-5.html>
- Ecostage Institute: <https://www.ecostage.org/>

1) Environmental Management System (EMS) ② Complying with environmental laws and regulations	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	○	○	○

We request our suppliers to ensure that their business activities comply with environmental laws and regulations. With the globalization of business, applicable environmental laws and regulations are increasingly becoming more diversified and expanding.

We request all suppliers doing business with the Yazaki Group to carry out activities for legal compliance, including pollution prevention and continuous monitoring of discharged water, exhaust gas and soil, reduction of pollutants, response to proper waste treatment and recycling, and proper management of prohibited chemical substances according to local environmental laws and regulations.

We also request our suppliers to pay attention to enforcement and revision of these laws and regulations and respond properly.

<Reference>

- Ministry of Economy, Trade and Industry Pollution Prevention Guidelines: http://www.meti.go.jp/policy/energy_environment/kankyokeiei/environmentguideline/index.html

2) Reducing CO₂ emissions ① Reducing CO₂ emissions at sites	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	—	○	○

We request our suppliers to promote CO₂ reduction activities at their sites by referring to the initiatives below. We will check our suppliers' CO₂ emissions (including energy use) every year.

<Examples of initiatives>

- Saving energy when equipment is not used (compartmentalizing lighting, turning off the power on holidays, etc.)
- Optimizing conditions of equipment operation (adjusting air pressure, adjusting operation hours, consolidating equipment, etc.)
- Replacing equipment with an energy-saving type (LED light, high efficiency motor, equipment with an inverter function, etc.)
- Utilizing renewable energy (preheating hot water supply using solar heat, introducing a solar power generation system, using wood pellets or other biomass fuels, etc.)

<References>

- CO₂ Reduction Navi for Business Operators: <http://co2-portal.env.go.jp/>
- Sustainable open Innovation Initiative: <https://sii.or.jp/>

2) Reducing CO₂ emissions ② Reducing CO₂ emissions from distribution	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	—	○	—	○

a. Distribution commissioned by Yazaki Group companies

- We request our suppliers that are commissioned to distribute the Yazaki Group's products and parts to understand our companies' efforts in reducing CO₂ emissions in the distribution process and cooperate in the following:
 - ▶ Improving fuel efficiency by installing digital tachographs and promoting eco-driving
 - ▶ Introducing fuel-efficient vehicles

b. Distribution for delivery by suppliers

- We request our suppliers to reduce their CO₂ emissions in the distribution process when delivering to Yazaki Group companies. We also request our suppliers to cooperate regarding the Yazaki Group companies' efforts toward reducing the amount of packaging materials used.

3) Reducing generated waste	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	○	○	○

We request our suppliers to promote efforts to reduce generated waste based on the 5 R's by referring to the initiatives below. We will check the amount of waste generated by our suppliers every year.

<Examples of initiatives>

- Recycling by sorting unused goods into detailed categories (separating by material for recycling)
- Improving yielding percentage
- Reducing resources used by making products smaller or lighter

4) Effectively using water resources, minimizing impact	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	—	○	○

We request our suppliers to promote “the reduction of water use (effective use of water resources)” and “improvement of discharged water quality (minimizing impact)” by referring to the initiatives below. We will check the amount of water used by our suppliers every year.

<Examples of initiatives for reducing water use>

- Recycling cooling water for equipment
- Optimizing the flow of water used for equipment
- Installing water-saving valves
- Installing a rainwater tank (using rainwater)

<Examples of initiatives for improving discharged water quality>

- Installing discharged water management equipment (neutralization tank, grease trap, etc.)
- Stopping discharged water from being generated by equipment

<Reference>

•Ministry of Land, Infrastructure, Transport and Tourism water resources:

<http://www.mlit.go.jp/mizukokudo/mizsei/index.html>

5) Reducing VOCs and chemical substances designated by the PRTR law	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	—	○	○

We request our suppliers to promote efforts to reduce volatile organic compounds (VOCs) and chemical substances designated by the PRTR law by referring to the initiatives below.

<Examples of initiatives>

- Switching to low-VOC cleansers (water-soluble type, etc.)
- Reducing volatilization volume by lowering liquid surface area, etc.
- Optimizing the amount of application/use (reducing excess use)
- Collecting and reusing used organic solvents

<Reference>

- Ministry of the Environment: <http://www.env.go.jp/air/osen/voc/materials.html>
- Tokyo Metropolitan Government Bureau of Environment: http://www.kankyo.metro.tokyo.jp/air/air_pollution/voc/index.html

6) Managing chemical substances contained in delivered items ① Developing a system for managing environmentally hazardous substances	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	—	—	○

We request our suppliers, including your suppliers, to develop a management system ensuring that environmentally hazardous substances are not contained in products and the like.

Please note that we will request submission of the results of our suppliers' voluntary checks and conduct on-site audits to check our suppliers' systems for managing environmentally hazardous substances.

6) Managing chemical substances contained in delivered items ② Managing chemical substances in parts	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	—	○	—	—	—

a. Managing chemical substances contained

- We request our suppliers to satisfy the requirements in the latest GADSL and the latest Yazaki Group Self-Control Substance List (related form). Additionally, we may request individual suppliers to cooperate for a survey or replacement.

b. Reporting chemical substances contained

- We request our suppliers to submit IMDS data by the designated date according to the requestor's instructions. We also request our suppliers to report updated data or datasheets when they change any component or the weight.
- We may request our suppliers to submit measurement data of lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr(VI)), polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE), and specific phthalate esters (DEHP, DBP, BBP, DIBP).

* We have separately set management conditions for products other than automotive devices. As for management conditions and documents to be submitted, we ask our suppliers to respond to requests from the department in charge of the specific product.

6) Managing chemical substances contained in delivered items ③ Managing chemical substances in raw materials and indirect materials	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	—	○	—	—	—

a. Managing chemical substances contained

- We request our suppliers to satisfy the requirements in the latest GADSL and the latest Yazaki Group Self-Control Substance List (related form). Additionally, we may request individual suppliers to cooperate for a survey or replacement.

b. Reporting chemical substances contained

- We request our suppliers to submit IMDS data by the designated date according to the requestor's instructions. We also request our suppliers to report updated data or datasheets when they change any component or the weight.
- We may request our suppliers to submit measurement data for lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr(VI)), polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE), and specific phthalate esters (DEHP, DBP, BBP, DIBP).
- We request our suppliers to submit SDS and attach GHS labels conforming to the regulations of countries where we use raw materials or indirect materials.
- We request our suppliers to submit results on checking for conformity to the chemical regulations of countries where we use raw materials or indirect materials by the designated date according to the requestor's instructions. In the case of the first delivery and when we change countries where the materials are used or where laws and regulations have been revised, we may request additional checking if necessary.

* We have separately set management conditions for products other than automotive devices. As for management conditions and documents to be submitted, we ask our suppliers to respond to requests from the department in charge of the specific product.

6) Managing chemical substances contained in delivered items ④ Managing chemical substances in packaging materials	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	—	—	—
<p>a. Managing chemical substances contained</p> <ul style="list-style-type: none"> We request our suppliers to satisfy the requirements in the latest GADSL and the latest Yazaki Group Self-Control Substance List (related form). Additionally, we may request individual suppliers to cooperate for a survey or replacement. <p>b. Reporting chemical substances contained</p> <ul style="list-style-type: none"> We may request our suppliers to submit measurement data of lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr(VI)), polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE), and specific phthalate esters (DEHP, DBP, BBP, DIBP). <p>* We have separately set management conditions for products other than automotive devices. As for management conditions and documents to be submitted, we ask our suppliers to respond to requests from the department in charge of the specific product.</p>						

6) Managing chemical substances contained in delivered items ⑤ Managing chemicals in equipment materials	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	—	—	○
<p>a. Managing chemical substances contained</p> <ul style="list-style-type: none"> We request our suppliers require that there is no content that violates the latest RoHS directive. Additionally, we may request individual suppliers to cooperate for a survey or replacement. <p>b. Reporting chemical substances contained</p> <ul style="list-style-type: none"> We may request our suppliers to submit measurement data of lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr(VI)), polybrominated biphenyls (PBB), polybrominated diphenyl ether (PBDE), and specific phthalate esters (DEHP, DBP, BBP, DIBP). <p>* We have separately set management conditions for products other than automotive devices. As for management conditions and documents to be submitted, we ask our suppliers to respond to requests from the department in charge of the specific product.</p>						

7) Promoting biodiversity	Applicable suppliers					
	Raw materials, Parts, Indirect materials	Packaging materials	Processing on commission	Distribution	On-site outsourcing	Equipment materials
	○	○	○	○	○	○
<p>We request our suppliers to understand the importance of biodiversity conservation, such as nature conservation, and carry out possible activities leading to biodiversity promotion, such as activities in cooperation with or in partnership with local governments or organizations that are working on forest conservation or other nature preservation projects, or corporate green land management.</p> <p><Examples of initiatives></p> <ul style="list-style-type: none"> • Procuring biodiversity-friendly raw materials (e.g., FSC-certified paper) • Managing green land by taking into account biodiversity, such as developing a habitat for living organisms (biotope, etc.) and adopting native species • Carrying out social contribution activities, such as maintaining forests or <i>satoyama</i> (village forest) <p><Reference></p> <ul style="list-style-type: none"> • Let's Study Biodiversity: https://www.jema-net.or.jp/Japanese/env/lbs.html 						

6. Terminology

1) Water risk

Corporate activities contain the following three water risks.

1. Physical risk:

The risk of not obtaining water in the amount and/or quality required for operations of the company and its supply chain

Examples: Drought, water pollution, floods

2. Regulation-related risk:

The risk that the administration and the like may restrict water use

Examples: Charging for water use or discharge, operation licensing system, water rights, water discharge standards

3. Reputation risk:

The risk that the reputation of an enterprise would decline due to tensions or conflicts over the deterioration of local water resources (declining water quality, water depletion, etc.) caused by business activities

Examples: Impact on corporate brand or image, impact on business continuity

2) Nagoya Protocol

The Nagoya Protocol, or officially, the Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity, is an international document setting forth procedures for steadily implementing access to genetic resources and sharing benefits.

The Nagoya Protocol was adopted at the tenth meeting of the Conference of the Parties to the Convention on Biological Diversity (COP 10), held in October 2010 in Nagoya City, Aichi Prefecture, Japan.

3) Biodiversity

Biodiversity refers to a state where not only human beings but also diverse living organisms, including animals, plants, and insects, exist while being connected to each other. Activities to maintain this state include forest conservation, conservation of endangered species, and extermination of alien species.

4) Parts

Parts refer to constituents of products, specifically molding parts, for a lengthy product, and electronic parts.

5) Raw materials

Metals, resins, rubber, and other materials used to satisfy product function and performance.

6) Indirect materials

Materials, excluding parts and raw materials, that can be parts of products or that are attached to products.

- 7) Packaging materials
Materials used for packaging, protection and fixing.
(e.g., cardboard, tape, plastic bags, banding bands, paper tape, cushioning materials)
- 8) VOCs (volatile organic compounds)
Volatile organic compounds are contained in paint, print ink, adhesives, cleansers, gasoline, and paint thinner.
Representative VOCs include toluene, xylene, and ethyl acetate. VOCs are deemed to be one of the causative substances that cause photochemical reactions in the atmosphere, which result in photochemical smog.
- 9) PRTR (Pollutant Release and Transfer Register)
PRTR is a mechanism used to identify, quantify, locate and disclose the amount of suspected hazardous chemical substances emitted to the environment such as the atmosphere, water, and soil (emissions) and how much is transferred as waste (transfer).
- 10) ISO 14001
An international standard on the management system for voluntarily, proactively and continually working on environmental conservation under the theme of sustainable development, which is not limited to compliance with laws and regulations and reducing environmental risks. ISO 14001 can be a management tool that helps to address increasingly serious environmental issues and achieve healthy operations and further development of economic activities by eliminating waste to be in harmony with environmental conservation.
- 11) Eco Action 21
As an integration of the environmental management system, environmental performance evaluation and environmental report, Eco Action 21 is designed to enable small- and medium-sized businesses to carry out voluntary and proactive environment-friendly activities and compile and disclose results of their initiatives as environmental activity reports.
- 12) Ecostage
Ecostage is one of environmental management system. There are five stages, from ecostage 1 where the environmental management system is introduced to ecostage 5 where CSR is fulfilled.
Businesses can start from any stage that suits their strength and purpose and then steadily establish PDCA cycles and improve their level in a phased manner. High consistency with ISO is another characteristic; ecostage 2 is nearly equivalent to ISO 14001.
- 13) Renewable energy
Solar power, wind power, hydraulic power, geothermal power, solar heat, heat in the atmosphere or other heat that exists in nature and biomass (biologically-produced organic resources, such as wood chips and livestock waste) are defined as renewable energy.
Renewable energy is advantageous energy that can be used repeatedly without depleting resources and that emits virtually no CO₂ causing global warming at the time of power generation or heat use.

14) 5R's

The 5R's is the concept of resource recycling at the Yazaki Group, which adds refuse and repair to the 3R's promoted by Japan's Ministry of the Environment.

Reduce: Minimize generated waste

Reuse: Reuse items that will become unnecessary as much as possible

Recycle: Recycle items that cannot be used as resources

Refuse: Do not purchase items that will end up as waste

Repair: Reuse items after repairing them

15) SDS (Safety Data Sheets)

Safety data sheets are sheets on which information required for the safe handling of chemical substances and raw materials that contain chemical substances is stated.

16) GHS (Globally Harmonized System of Classification and Labeling of Chemicals)

GHS is a system to classify chemicals by type and by level of hazard according to universal rules, label chemicals to grasp the information at a glance, and provide safety data sheets. Many countries have enacted laws that require GHS-compliant provision of SDS and labeling.

17) GADSL (Global Automotive Declarable Substance List)

GADSL, issued by GASG*, is a list of chemical substances that have been, or will be, regulated by chemical substance regulations in each country and that can be contained in automotive products.

URL: <https://www.gadsl.org/>

* GASG (Global Automotive Stakeholders Group) is an organization comprising representatives from automobile and automotive parts manufacturers and chemical manufacturers in Japan, U.S.A. and Europe.

18) IMDS (International Material Data System)

A global-standard material data collection system in the automotive industry that allows entry of materials and substances contained in products in a standardized format by following a standardized process.

URL: <http://www.mdsystem.com/imsnt/startpage/index.jsp>

19) RoHS Directive (Restriction of Hazardous Substances)

(Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment)

This Directive aims to establish laws on specific hazardous substances in electrical and electronic equipment and minimize the risks of environmental and human health at all stages from production to disposal.

It has been fully prohibited to use the following ten substances: lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr6+), polybrominated biphenyl (PBB), polybrominated diphenyl ether (PBDE), and specific phthalate esters (DEHP, DBP, BBP, DIBP), excluding some exceptions.

20) FSC-certified paper

Paper certified by the Forest Stewardship Council (FSC), an international NPO established in 1993, as using wood chips from forests under economically sustainable forest management.

Products in which FSC-certified paper is used are labeled with the FSC logo.

21) Biotope

A small area created or restored as a permanent living space for animals or plants. A biotope can be incorporated when creating parks or developing rivers.

7. Related Form

- Yazaki Group Self-Control Substance List

* The latest list is available at:

https://www.yazaki-group.com/pdf/csr_managementlist_e.pdf

8. Revision History

Established on February 10, 2004: Version 1

Revised on November 16, 2006: Version 2

Revised on September 12, 2018: Version 3

Revised on January 20, 2020: Version 4

9. Contact

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