

DENSO

Crafting the Core

Detail of Green Procurement Guideline

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Agenda

1. What is green procurement guideline?
2. Why do we need the green procurement guideline?
3. Detail of green procurement guideline

1. What is Green Procurement Guideline?

□ What is the green procurement?

The green procurement is prioritized procurement of parts, materials, and services in consideration of reduction in environmental load and without using the prohibited substances we have specified, from suppliers who (1) comply with regulations and standards regarding the environmental laws, (2) strive to reduce environmental load*, and (3) have established an environmental management system.

**Reduction in environmental load* is to reduce adverse impact on the global environment such as GHG (green house gas) emissions and substances of environmental concern.

□ What is the green procurement guideline?

The green procurement guideline describes DENSO G's environmental philosophy and policy and specific requests to the suppliers in order to promote the green procurement.

1. What is Green Procurement Guideline?

Green Procurement Guideline describes;

- Introduction
- DENSO'S ECO VISION 2025
- Positioning of the guideline
- Requests to our suppliers
 1. Establishment of an environmental management system
 2. Management and reduction of the substances of environmental concern
 3. Reduction of logistic CO₂ emissions and packaging materials
 4. Environmental activities at the suppliers' sites
- Glossary
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2. Why do we need the green procurement guideline?

◆ DENSO ECO VISION 2025



Keywords:
“Supply chain” and “Global”

◆ Customer requirements



Customers request us to deploy ECO VISION to our suppliers.

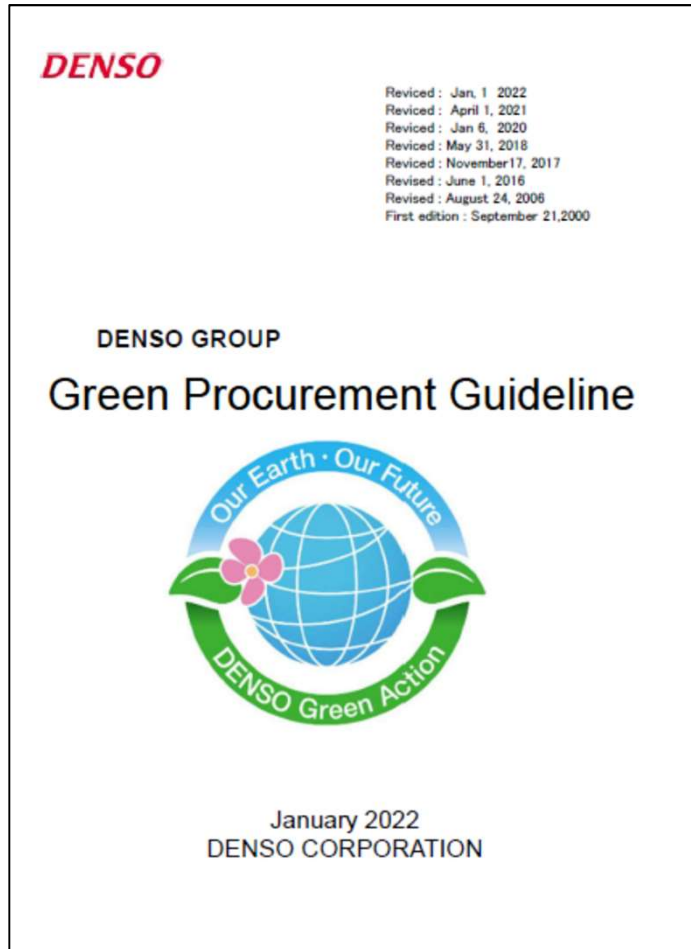
◆ International standards



The governments enact laws and bills to promote green procurement.

DENSO must request our suppliers to fulfill the green procurement guideline as a global company for considering the DN ECO VISION policy, customer requirements, and global trends.

3.Detail of guideline



[Explanation]

- This is the front page.
- DENSO has issued the standardized green procurement guideline with the aim of unified operation in the group companies in the world.

3.Detail of guideline

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Glossary

Contact

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[Explanation]

- This is the table of contents.
- Introduction describes DENSO's beliefs about the environment, DENSO's ECO VISION 2025, which is the essence of our environmental activities, and the positioning of this guideline,
- then, specific requests to our suppliers, and
- finally, words and terms used in this guideline.

3.Detail of guideline

[Explanation]

Introduction

We appreciate very much your usual support and cooperation in our production and procurement activities. We DENSO Group have established the present business basis based on the strong partnership with our suppliers.

Both automobiles and transport-oriented societies have advanced dramatically, and today, automobile ownership has surpassed 1.1 billion vehicles. Along with the development of emerging countries, the world's population is expected to increase to 8 billion in 2025 and the number of automobiles is forecast to reach 1.5 billion vehicles. This means even more people will enjoy the convenience and freedom of mobility offered by automobiles. Nonetheless, this increase in vehicles will also inevitably be accompanied by a rise in greenhouse gas emissions, and it is anticipated that substances of environmental concern affect human health and natural environment. To ensure that people maintain their affection for automobiles for years to come, the DENSO Group will make ongoing efforts to be corporate group that tackles these issues directly and provides solutions to minimize adverse impacts while maximizing the value of automobiles.

As our guidelines in undertaking these efforts, we announced the "DENSO Group Long-term Policy 2030" and declares to strive to be a company that continuously generates value to enrich mobility that achieves sustainability, happiness and peace of mind for everyone. Additionally, the collective desire of all DENSO Group employees to be a company that continually gives consideration to people and society is encapsulated in our slogan "Bringing hope for the future for our planet, society and all people."

In accordance with the guidelines, DENSO has announced the "DENSO ECO VISION 2025" as the new long-term environmental policy to respond to the expansion of fields and roles to be sought as a corporation, enhance the life cycle point of view, and promote business aiming at creating environmental values as the entire value chain.

Our products, including parts, materials, equipment, facilities, secondary materials and office supplies delivered by the suppliers, are all created from the products and services directly or indirectly procured by the suppliers. To put the "DENSO ECO VISION 2025" into practice, we consider that it is important to concentrate the wisdom and effort of the every person from both of the DENSO Group and the suppliers. We would like to continue to make every effort to promote our business activities placing emphasis on mutual reliance and mutual development with the suppliers.

We have revised "DENSO Group Green Procurement Guideline" in response to the issue of DENSO ECO VISION 2025. We will appreciate our suppliers' understanding of the purpose and contents of this guideline and cooperation with us based on the new guideline.

Hideshi Takemura, Senior Director,
Head of Safety, Quality & Environment Center

Yasuhiro Iida, Senior Executive Officer,
Head of Global Production Center

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- This is *Introduction*.
- This section describes DENSO beliefs about the environmental activities and tells our suppliers that we need their cooperation to achieve our goal.
- We will sincerely appreciate their understanding of DENSO's beliefs as well as cooperation in our environmental activities.

3.Detail of guideline

DENSO ECO VISION 2025

The collective desire of all DENSO Group employees to be a company that continually gives consideration to people and society is encapsulated in our slogan "Protecting lives, Preserving the planet and Preparing a bright future for generations to come."

In accordance with the guidelines, DENSO has announced the "DENSO ECO VISION 2025" as the new long-term environmental policy to respond to the expansion of fields and roles to be sought as a corporation, enhance the life cycle point of view, and promote business aiming at creating environmental values as the entire value chain.

I Commitment (- 2050)

DENSO group preserves the earth and delivers the bright future to the next generations by solving problems of environment and energy through all the corporate behaviors and natural symbiosis and creating a new environmental value for the sustainable region and society in 2050.

II Environmental policy (- 2025)

We define "Target 3" to be achieved in 2025 as a milestone of the commitment, and enhance "Action 10" as initiatives of ten concrete fields.

[Target 3]

Energy 1/2	Contribute to permanent maintenance of global environment by the technologies that can solve the problems of global warming, energy and resources.
Clean x2	Comply with law and promote continuous improvement in order to provide reassurance to all stakeholders and remain a cooperation that grows with the society.
Green x2	Realize a society with sharing nature's wisdom and benefit in order to take over rich natural environment to the next generation through corporate activity aiming at symbiosis with nature.

[Action 10]

We define 10 action plans with three axes of "Energy", "Clean" and "Green" and approach in all business scope from viewpoints of product, factory, associates and management.

	Energy 1/2	Clean x2	Green x2
Product Eco-products	01 Ultimate fuel efficiency	04 Eco materials & low emission	07 New green technologies
Factory Eco-factory	02 Minimum CO ₂ "Monozukuri"	05 Minimum impact production	08 Nature rich workplace
Associates Eco-friendly	03 Low carbon life style & transport	06 Earth consciousness, knowledge & skill	09 Environmental volunteer action
Management Eco-management	10 Environmental value efficiency management		

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[Explanation]

- This is DENSO ECO VISION 2025.
- This section describes DENSO's environmental vision.
- DENSO has been committed to environmental issues looking ahead to 2050.
- To accomplish the commitment milestone as the environmental policy in 2025, we have set 3 targets to be achieved: *Energy 1/2*, *Clean x2*, and *Green x2* and identified 10 actions based on 3 items of *Energy*, *Clean*, and *Green*. We will tackle these challenges in all business fields from the point of view of *Products*, *Plants*, *Associates*, and *Management*.

3.Detail of guideline

Positioning of the guideline

■ What is green procurement?
The green procurement is the prioritized procurement of parts, materials, and services in consideration of reduction in environmental load and without using the prohibited substances we have specified, from suppliers who (1) comply with regulations and standards regarding the environmental laws, (2) strive to reduce environmental load*, and (3) have an established environmental management system.

*Reduction of environmental load is to reduce adverse impact on the global environment by decreasing GHG (greenhouse gas) emissions, reducing use of substance of concern, and other measures.

■ Positioning of the green procurement guideline
This green procurement guideline summarizes our requests to be shared among the global group companies as One DENSO, to the suppliers.
We will appreciate your understanding of this guideline and your cooperation in our green procurement activities.

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[Explanation]

- This is the positioning of this guideline.
- The green procurement is prioritized procurement of parts, materials, and services in consideration of reduction in environmental load and without using the prohibited substances we have specified, from suppliers who comply with regulations and standards regarding the environmental laws, strive to reduce environmental load, and have an established environmental management system.
- This green procurement guideline also summarizes our requests to the suppliers to be shared among the group companies in the world as One DENSO.

3.Detail of guideline

[Explanation]

- This section describes requests to our suppliers.
- The table shows the relation between the requests to the suppliers and 10 actions of DENSO ECO VISION 2025 comes first.
- The letters in red is the request items for suppliers' cooperation and a report on the progress to DENSO.
- The letters in blue is the request items for suppliers' cooperation but no need to report to DENSO.

Request items to suppliers

DENSO ECO VISION 2025 cannot be realized without DENSO suppliers' cooperation and understanding.

The figure below summarizes DENSO ECO VISION and the requests.

The table on the next page describes the detailed requests.

Appendix 3 is an enlarged list of the requests.

It is the expectation of DENSO that all DENSO suppliers comply with all the requests and expectations documented in this Green Procurement Guidelines.

All DENSO suppliers are also requested to comply with the relevant laws regulations and rules of each country and region.

Eco vision and requests to suppliers

(Color) Red: Action and report to DENSO. Blue: Request.

	Energy 1/2	Clean x2	Green x2
Eco-products	(1) Ultimate fuel efficiency Support DENSO's RAD of products for reducing energy consumption and CO ₂ emissions	(4) Eco materials and low emission Contribute with energy conservation (reduction) through reduction of materials and reduction of production wastes. Reduce CO ₂ emissions from the production process. Contribute to environmental conservation.	(7) New green technologies Support RAD of products related to green environmental business
Eco-factory	(2) Minimum CO ₂ MONOZUKURI - Reduce CO ₂ emissions from supplier's production processes - Reduce CO ₂ emissions from supplier's logistic - Report CO ₂ conservation from conservation activities	(5) Minimum impact production Reduce raw water in system. Reduce water usage. Reduce water usage at supplier. Reduce water usage at customer. Reduce water usage in collection and treatment. Reduce water usage in collection and treatment. Reduce water usage in collection and treatment. Reduce water usage in collection and treatment.	(8) Nature rich workplace Promote greening of factory and workplace at suppliers
Eco-friendly	(3) Low carbon lifestyle & transportation Encourage supplier's employees to carry out eco driving	(6) Earth consciousness, knowledge & skill Ensure that each employee of suppliers is environmentally aware	(9) Environmental volunteer action Promote voluntary conservation activity at suppliers
Eco-management	(10) Environmental value efficiency management Contribute to environmental management system at suppliers (EM-Action and reduction to the supplier's front and back). Contribute to environmental management system at DENSO. Promote the environmental management activity for the whole system (DENSO and suppliers) and contribute to the environmental management system at DENSO. Legal compliance		

3.Detail of guideline

Appendix Table 3 List of request to suppliers

Request	Request description	Request status									
		Request 1	Request 2	Request 3	Request 4	Request 5	Request 6	Request 7	Request 8	Request 9	Request 10
Request 1	Request description 1	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 2	Request description 2	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 3	Request description 3	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 4	Request description 4	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 5	Request description 5	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 6	Request description 6	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 7	Request description 7	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 8	Request description 8	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 9	Request description 9	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎
Request 10	Request description 10	◎	◎	◎	◎	◎	◎	◎	◎	◎	◎

[Explanation]

- This table shows requests to the suppliers classified for each business type.
- The double circles [◎] is the request items for suppliers' cooperation and a report on the progress to DENSO.
- The circles [○] is the request items for suppliers' cooperation but no need to report to DENSO.
- The letters in this table are too small to see, so we created an enlarged table, *Appended Table 3*.

3.Detail of guideline

1. Establishment of environmental management system

1-1. Establishment of Environmental management system creation

Reduction of environmental load involves all corporate activities. We would like all our suppliers to establish the "environmental management system" based on ISO14001 or other third-party certification equivalent thereto.

If you have already established the environmental management system, we hope you will maintain, enhance and renew the system.

For the suppliers who have not yet acquired a third-party certification, we hope you will first establish a system that satisfies the items in Note below, and acquire one.

- Note -

Fill out the mandatory items in the "DENSO Global Environmental Management Requests (Appendix 1)". For those who select B, C, or D in I. Certification acquisition, establish a system in which all questions would be answered with "yes" in II. Self-diagnosis about the environmental management system.

When answering the questions in II. Self-diagnosis about the environmental management system, refer to Appendix 2, Guidelines for Self-diagnosis regarding Environmental Management System.

DENSO Tier-1 suppliers are also expected to verify environmental management system at your Tier-1 suppliers, give them advices and instructions as well as expand it to the upstream suppliers, as needed, aiming at the realization of management of the entire supply chain.

We will separately check the status of the environmental management system establishment for each supplier.

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[Explanation]

- This section describes the requests to the suppliers in detail.
- This is a request to form an environmental management system.
- A management system must be established to promote various environmental activities.
- So we are requesting the suppliers to acquire *ISO14001* or other third-party certification equivalent thereto.
- We would like them to enter the necessary items in *DENSO Global Environmental Management Requests* in *Appended Table 1* and submit it.

3.Detail of guideline

1-2. Promotion of environmental management throughout the lifecycle

DENSO has made every effort to reduce the product influence upon the environment in the entire corporate activities, while evaluating the environmental performances of products from the total viewpoint. In these activities, we need to understand the environmental influence in the supply chain, as well as the environmental influence exerted by us. Then, we occasionally request environmental data submission from the suppliers that deliver the applicable parts and raw materials to DENSO.

In this case, the supplier should investigate the environment in accordance with the "Investigation Guideline of Supply Chain Environmental Data", which would be sent from us, and submit the data shown in the following table.

Regarding newly-adopted or engineering-changed materials/parts in particular, suppliers may be requested to report the difference in environmental impact from the conventional materials/parts.

Item to be investigated	Major investigation detail Investigation detail
Materials/parts selected by DENSO (Selection will be made as requested, in consideration of the degree of the estimated influence upon the environment.)	Data of materials/parts manufacturing environment - Energy consumption amount - Amount of emissions ofCO ₂ , NO _x , and other substances into the air - Amount of waste - Amount of water consumption

<Documents to be submitted to DENSO and submission time>

Document to be submitted	Submission time
Supply chain environmental survey	When a new products is developed, when an engineering change is made, as needed (Request will be made about two months before the submission deadline.)

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[Explanation]

- This section describes a request to promote the environmental management throughout the life cycle.
- DENSO may request the suppliers to submit environmental data on the used amounts of energy and water, for example.
- Please submit the relevant environmental data if requested.

3.Detail of guideline

2. Controlling and reducing substances of environmental concern

2-1. Products, parts, materials, and sub-materials delivered to DENSO (those which finally construct products)

Recently, European countries and other nations have increasing established laws and regulations regarding use of substances of environmental concern, and the influence of those laws and regulations become larger and larger. Regarding automobiles in particular, a law was issued in Europe concerning the substances of environmental concern in time of disuse of a car. To observe these laws, stricter guarantee is requested for us against no-inclusion of substances of environmental concern. With such a trend, various measures have been taken at DENSO to prohibit and reduce use of substances of environmental concern.

DENSO suppliers are requested to comply with the following requests concerning substances of environmental concern contained in their products, parts, materials and sub-materials (hereinafter referred to as "products") that are delivered to DENSO:

(a) Compliance with design standards* for environmentally hazardous substances

We requested that each of the suppliers deliver products, etc. in accordance with standard DDS2004.

"Declarable substances" specified in DDS2004 includes some substances that are currently examined or to be regulated. We may practically request alternative technology research & development and reduction activities from the suppliers. In this case, we will inform you of the details and request for your cooperation.

* In the case of DENSO, it is the DDS 2004"Restrictions on the use of substances of environmental concern as materials or product components"

(b) Providing information on materials and substances of environmental concern

We request that the suppliers provide us information regarding materials and substance of concern based on our requests such as the procedure of the "Suppliers quality assurance manual."

(c) Report on the initial product inspection regarding the substance of concern

We request that the suppliers will report an initial product inspection result follow the instructions from our responsible division.

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[Explanation]

- This section describes requests to management and reduce environmental load.
- This section starts with requests in regard to products, parts, and materials supplied to DENSO, as well as the subsidiary materials remaining in DENSO's products.
- The first one is a request to comply with Design standards for environmentally hazardous substances.
- The second is a request to provide information on materials and substances of environmental concern.
- The third is a request to report the result of the initial product inspection for substances of environmental concern.

3.Detail of guideline

(d) Establishing the control system for preventing inclusion of substances of environmental concern
We request that the suppliers establish a control system to prohibit substances of environmental concern from being contained in their products, etc.
Furthermore, we inspect the suppliers to check the actual situation of the "control system for preventing inclusion of substances of environmental concern" as requested.

2-2. Materials and Sub-materials' used within DENSO
Regarding the substances of environmental concern contained in materials, sub-materials, chemicals and others used in an office or plant of DENSO, the following items should be observed:

(a) Prohibition of containing the prohibited substances
Any supplier that delivers raw materials, subsidiary materials or equipment or undertakes construction, cleaning or landscape gardening work should allow no "prohibited substances" specified by DENSO to be contained in the materials delivered or carried into DENSO (including oil agents applied to equipment, agricultural chemicals and those used for other purposes).
1) Substances prohibited from production and use in each country and region
2) Substances prohibited by DENSO
We may specify a substance as a prohibited one. For further details about the "prohibited substances," access our website.

(b) Providing of information on materials and substances of environmental concern
Suppliers that deliver materials and sub-materials to be used within DENSO are requested to report the contents of the materials and sub-materials and submit their Safety Data Sheets.

2-3. Packaging materials to be delivered to DENSO
Suppliers that deliver packaging materials to DENSO are requested to investigate chemical substances contained in packaging materials and report the result upon request by DENSO.

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[Explanation]

- The fourth is a request to establish a management system for exclusion of substances of environmental concern.
- Next comes requests regarding materials, subsidiary materials, and other materials used in DENSO.
- The first one is a request to prohibit inclusion of prohibited materials.
- The second is a request to provide information on materials and substances of environmental concern.
- The final one is a request in regard to packaging materials delivered to DENSO.
- DENSO may request the packaging suppliers to analyze chemical substances contained in a packaging material.
- Please conduct such analysis and submit the analysis report if requested.

3.Detail of guideline

3. Reduction of CO₂ emissions and packaging materials for logistics

DENSO promotes reduction of CO₂ emissions (energy consumption) from logistics and packaging materials.
Suppliers are expected to take actions for reducing environmental load in logistics.

3-1. Reducing CO₂ emissions from logistics consigned by DENSO

Suppliers that contract for logistics of products and parts are expected to understand the improvement efforts by DENSO and join the activities as the logistics partner.
We ask relevant supplier to provide information on CO₂ emissions based on our request as necessary.

3-2. Reducing CO₂ emissions and packaging materials from transportation into DENSO

Suppliers that deliver parts, raw materials, and sub-materials to DENSO are expected to make an effort to reduce CO₂ emissions during the delivery transportation to DENSO. Suppliers are also expected to reduce packaging materials.

<Documents to be submitted to DENSO and submission time>
No document is requested to be submitted to DENSO.

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[Explanation]

- This section describes requests to reduce CO₂ emissions in association with logistics and packaging materials.
- The first one is a request to reduce CO₂ emissions produced in logistics outsourced by DENSO. DENSO may request the outsourced logistics suppliers of products and parts to provide information on CO₂ emissions. Please provide such information if requested.
- The second one is a request to reduce CO₂ emissions in association with outsourced logistics and packaging materials. This applies to the suppliers delivering products, materials, subsidiary materials, and other relevant items to DENSO and requires no information will be required to to DENSO.

3.Detail of guideline

4. Environmental efforts at suppliers

4-1. Legal compliance

DENSO prioritized compliance with laws and regulations as the most important item in environmental activities.
We request you to comply with the environmental laws and regulations.

4-2. Support for DENSO product development

DENSO will offer products that contribute to reducing energy consumption and CO2 emissions to drive the reduced environmental impact from the motorized society. DENSO will also promote its green environment business. Through the development of green environmental products, DENSO will contribute to the sustainable and prosperous future and the global environment protection. Suppliers are expected to play an even more significant role in development activities of DENSO.

4-3. Environmental performance improvement

We request that the suppliers make every effort to improve the following environmental performances in their business activities.

- ◇Reducing CO2 emissions
- ◇Reducing total waste* and cost waste*
- ◇Reducing water usage volume
- ◇Reducing harmful effect of substances of environmental concern
 - Controlling/reducing prohibited substances contained in sub-materials used for production (substances prohibited by DENSO)
 - Reducing emissions of PRTR* substances
 - Reducing VOC* emissions
- ◇Greening promotion of factory/workplace
- ◇Promotion of biodiversity conservation activity

The company is committed to reducing its impact on biodiversity and its sustainable use by promoting business activities that take biodiversity into account.

4-4. Environmental awareness campaign for associates

DENSO tackles reducing the use of fossil fuel energy in everyday life and transportation to achieve low-carbon lifestyle and transportation.
Suppliers are expected to encourage their employees to carry out eco-driving.
DENSO believes that it is essential that each and every employee focuses on "global environment protection" and recognizes it as their own mission, and practices environmentally-friendly behaviors in each situation aiming at sustainable society.
Suppliers are requested to raise the environment consciousness of their employees.

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[Explanation]

- This section describes requests for environmental actions at the suppliers' sites.
- The first one is a request for the compliance with laws and regulations. DENSO puts the utmost importance on it in terms of environmental activities.
- The second is a request to support our product development.
- The third is a request to enhance environmental performance at their sites. We would like suppliers' to work on the reduction of CO₂ emissions, the water usage volume, and the risk of substances of environmental concern, etc.
- The fourth is a request to encourage the employees at each supplier to implement these actions.

3.Detail of guideline

Glossary

- ◆GHG
Green House Gas
- ◆SDS
Safety Data Sheet
- ◆Cost waste
Waste that is discarded on a charged basis
Recycling of waste with paying money + landfill waste
- ◆Total waste
Waste that is discarded by DENSO as disused articles
Recycling of waste with receiving money (valuable resource) + cost waste (Recycling of waste with paying money+ landfill waste)
- ◆PRTR (Pollutant Release and Transfer Register)
This is a system for a corporation that manufactures, uses or releases the applicable chemical substances to understand, calculate and officially announce the emission volume and the volume transferred out of its offices and plants.
- ◆VOC
Volatile Organic Compounds
- ◆Sub-materials
Cleaning solvents, cutting fluids, or others that are not components of products but are used in the production process. In addition, the sub-materials in the production stage at the suppliers refer to those used for products to be delivered to DENSO.

Contact

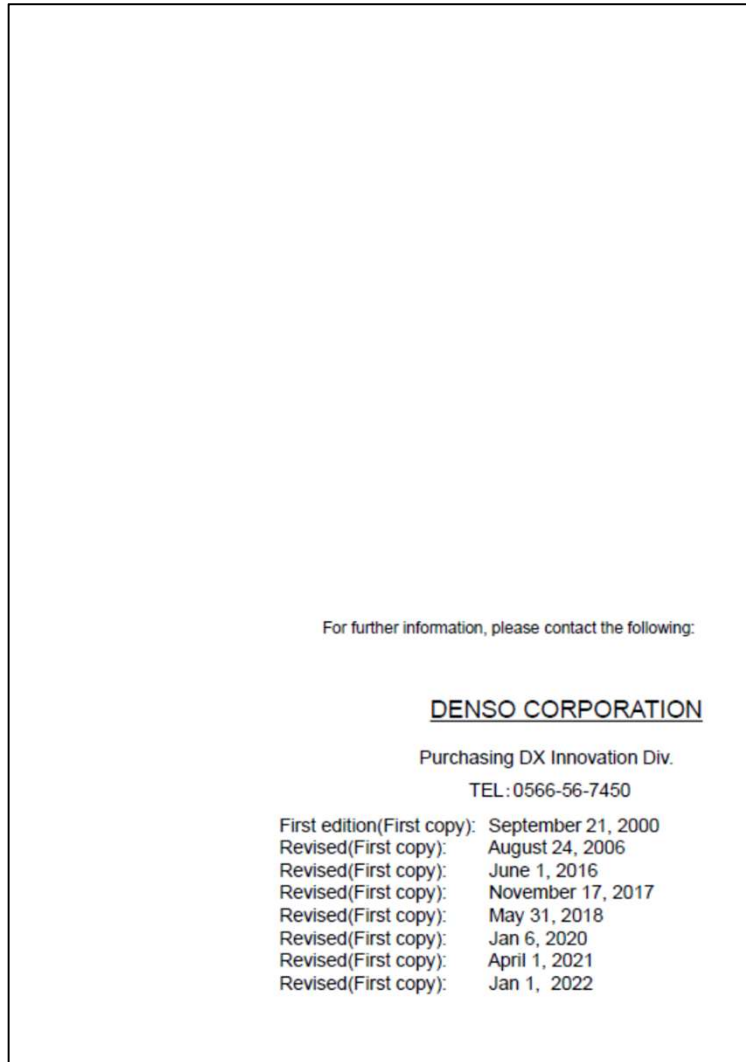
Purchasing DX Innovation Division, DENSO CORPORATION
Phone 0566-56-7540

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[Explanation]

- This is the glossary which explains words used herein.

3.Detail of guideline



[Explanation]

- This page shows contact and revision history

3.Detail of guideline

[Appended Table 1]
DENSO Global Environmental Management Requirement?

Fill out this sheet and submit it to our Procurement Dept.

Supplier code	
Company name	
Reported by	
Dept./Div. and post	
Reported on	

I. Certification acquisition
 Have you obtained ISO14001, EMAS, or other third-party certification?
 Encircle any appropriate one of A to D below.
 If selecting A, enter the certification name, certification organization, and certification number in the brackets.
 If selecting B, enter the date to be certified.

A	Certified. Certification name: [] Certification organization: [] Certification number: []
B	To be certified. Date to be certified: []
C	Will be planning.
D	No plan to acquire certification.

[Explanation]

- This is an *Appended Table 1*.
- Requests of *DENSO Global Environmental Management*.
- In this page, enter the supplier's code, company name, the reporter's name, etc.
- *Section I* is a questions on acquisition of third-party certification to be filled out.

3.Detail of guideline

II. Self-diagnosis about the environmental management system
 If you choose B, C, or D in I above, answer the following questions.

No.	Item	Question*	Answer (yes or no)
1	Environmental policy	We have established the company's policy regarding the environmental conservation and developed it to your company, our employees, and suppliers.	
2	Organization	We have clarified "organization" and "person in charge of environmental issues" for developing environmental conservation activities.	
3	Plan	We have specified environmental conservation items to be conducted, set activity goals, and formulated plans to achieve the goals.	
4	Operation management	We have promoted environmental conservation activities based on the formulated plan and managed the progress.	
5	Education	We have distributed necessary information on environmental conservation to our employees and implemented such education.	
6	Preparation and actions in case of emergency	We have set the procedures for emergency such as an environmental accident	
7	Review by the top management	We have reported the results of environmental conservation activities to the top management and received instructions for improvements.	

* Environmental conservation is prevent environmental destruction and plan environmental protection, following are details.
 Refer the following approached for environmental conservation and announced to work on environmental conservation more than one from following (1)-(14) in environmental policy.

- 1) Prevent pollution problem
 - (1) Prevent air pollution (comply regulated value of smoke from factories.)
 - (2) Prevent water pollution (comply regulated value of waste water from factories.)
 - (3) Reduce environmentally hazardous substances in waste such as waste products.
 - (4) Noise control (control noise from factories.) etc.
- 2) Prevent garbage problem
 - (5) Garbage separation (separate paper wastes, metals, and plastics)
 - (6) Reduce waste (recycle, reuse)
 - (7) Prevent illegal dumping
- 3) Prevent global warming
 - (8) Energy saving (reduce usage volume of electricity and water)
 - (9) Reduce GHG* [*Greenhouse Gas]
 - (10) Fuel saving (miniaturize and reduce weight of products, develop parts of hybrid vehicles, EV vehicles)
- 4) Prevent desertification
 - (11) Reduce water usage volume at factories and office.
 - (12) Tree planting (plant trees and flowers around factories.)
- 5) Prevent extinction of rare species
 - (13) Build bio-topo
 - (14) Consider protection of rare species when construct factories.

End

[Explanation]

- This page is about *I. Certification acquisition* on the previous page for the suppliers who have selected B, C, or D.
- The suppliers should answer the questions by referring to *Appended Table 2* on the next page, *Guidelines for Self-diagnosis regarding Environmental Management System.*
- The suppliers are required to report the answers to our Procurement Div.

3.Detail of guideline

[Appended Table 2]
Guidelines for Self-diagnosis regarding Environmental Management System

No.	Item	Guideline for self-diagnosis (Accepted level to answer "yes")
1	Environmental policy	There is a document that the top management's thought about environmental conservation is written and it is developed to employees. To develop it to employees, post on wall, or then can see it through intranet or talking about it at morning assembly. Furthermore, post on company web-site is better. Also develop it to suppliers, tell them about environmental policy at a meeting or through the web-site.
2	Organization	To promote environmental conservation activities, who and what is going to do, and promoter responsible are determined, and that contents are written in a document such as organization charts, etc. Operating several approaches by oneself could be okay. Also, operating several promote responsible by oneself could be okay.
3	Plan	What to approach to environmental conservation is determined confirm the progress status, and plans to achieve the goal are formulated.
4	Operation management	Promote the activities and confirmed the progress based on the formulated plans. If finding a delay, we analyze the causes, take actions to recover the delay, and review the plan if necessary.
5	Education	Develop necessary information to employee to promote environmental conservation activities. Also provide education for necessary knowledge by training for new employees, for people got promotion, or morning assembly, etc.
6	Preparation and actions in case of emergency	Assuming environmental accidents such as oil leakage, water leakage due to equipment damage caused by fire, earth quake, etc. and set the procedures for emergency. Better to conducted drills in accordance with the procedures.
7	Review by the top management	Report the progress and results of environmental conservation activity plans to the top management, received instructions for improvements from them, and incorporated the instructions into future plans.

[Explanation]

- *Appended Table 2* helps the suppliers to answer *II. Self-diagnosis about the environmental management system* on the previous page.
- Specifically, it indicates the level at which they can say yes in the previous self-diagnosis.

3.Detail of guideline

[Explanation]

- This is *Appended Table 3*.
- This table shows requests to the suppliers classified for each business type.
- The double circles [◎] is the request items for suppliers' cooperation and a report on the progress to DENSO.
- The circles [○] is the request items for suppliers' cooperation but no need to report to DENSO.

[Appended Table] List of request to suppliers

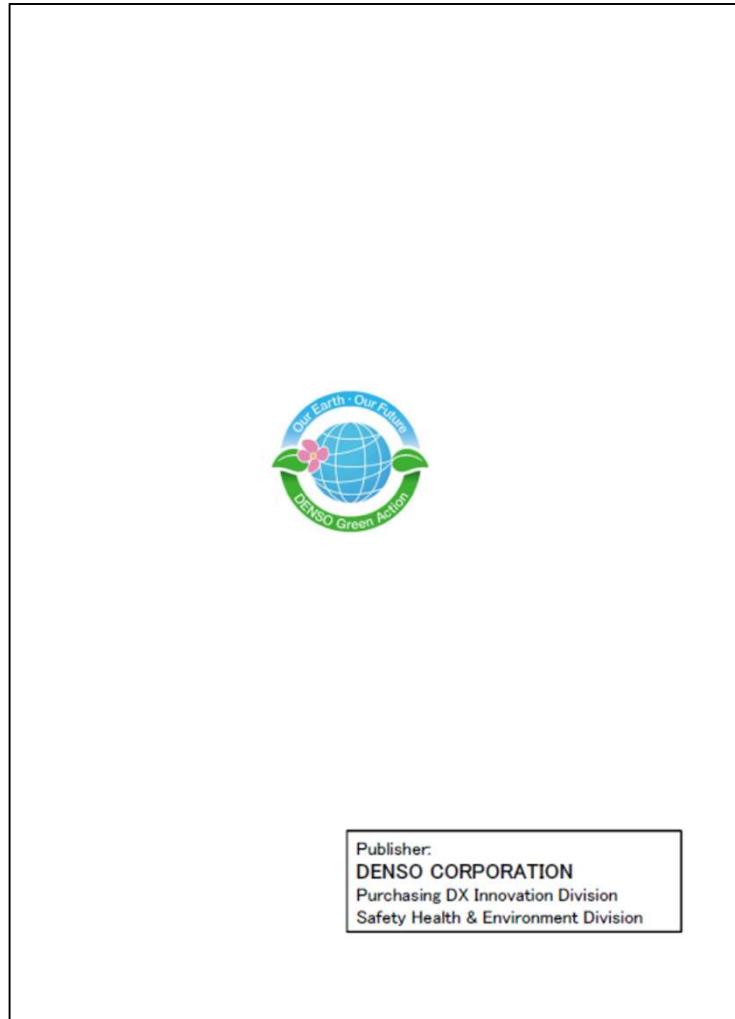
◎ : Action and reporting request ○ : Action request

DENSO Eco Vision and request to suppliers	Corresponding chapter	Type of supplier's business									
		Raw material	Product/Part	Sub-material	Supplies, etc.	Packaging material	Equipment/Machine	Facility/Construction work	Logistics	Other (restaurant/cleaning, etc.)	
Management	Establish the environmental management system at suppliers (justification and education to the supplier's Tier 1 and Tier 2 companies) and report the establishment progress upon request from DENSO.	Chapter 1	◎	◎	◎	◎	◎	◎	◎	◎	◎
	Promote the environmental management taking the whole life cycle of products delivered to DENSO into account and provide the environmental data of supply shares on the delivered products upon request from DENSO.	Chapter 1	◎	◎	◎						
	Legal compliance	Chapter 4	○	○	○	○	○	○	○	○	○
Energy +2	Product	Support DENSO's R&D of products for reducing energy consumption and CO ₂ emissions	Chapter 6	○	○	○	○		○		
		Reduce CO ₂ emissions from supplier's production processes	Chapter 6	○	○	○	○	○	○	○	○
	Factory	Reduce CO ₂ emissions from supplier's logistics to DENSO and packaging materials	Chapter 3	○	○	○	○	○	○	○	○
		Reduce CO ₂ emissions from logistics consigned by DENSO and report fuel consumption	Chapter 3							◎	
	Facility (Employees)	Encourage supplier's employees to carry out eco driving	Chapter 4	○	○	○	○	○	○	○	○
Clean +2	Product	Compliance with design standards for environmentally hazardous substances (DCC3204)	Chapter 2	◎	◎	◎					
		Provide information on materials and substances of environmental concern in products delivered to DENSO	Chapter 2	◎	◎	◎					
		Report on the initial product inspection regarding the substance of concern	Chapter 2	◎	◎	◎					
		Establish non-release control system for substances of environmental concern	Chapter 2	◎	◎	◎					
	Factory	Reduce total waste at suppliers	Chapter 4	○	○	○	○	○	○	○	○
		Reduce solid waste at suppliers	Chapter 4	○	○	○	○	○	○	○	○
		Reduce water usage at suppliers	Chapter 4	○	○	○	○	○	○	○	○
		Reduce harmfulness of substances of environmental concern at suppliers	Chapter 4	○	○	○	○	○	○	○	○
		Prohibition of containing the prohibited substances	Chapter 2	○		○	○		○	○	○
		Report substances contained in the materials and sub-materials and submit SDS	Chapter 2	◎		◎	◎				
	Report chemical substances contained in the packaging materials	Chapter 2					◎				
Facility (Employees)	Ensure that each employee of suppliers is environmentally aware.	Chapter 4	○	○	○	○	○	○	○	○	
Green +2	Product	Support R&D of products related to green environmental business	Chapter 4	○	○	○	○		○		
	Factory	Promote greening of factory and workplace at suppliers	Chapter 4	○	○	○	○	○	○	○	
	Facility (Employees)	Promote biodiversity conservation activity at suppliers	Chapter 4	○	○	○	○	○	○	○	

3.Detail of guideline

[Explanation]

- This page is a back cover.



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Crafting the Core