



MAZDA GREEN PURCHASING GUIDELINE

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1. Introduction

Environmental issue including global warming is pressing challenge facing the human race. Recognizing the environmental conservation as one of the highest priorities of our corporate social responsibilities, we Mazda are actively promoting initiatives towards a low-carbon, recycling, and symbiotic society, thereby helping create a sustainable society.

We have established the Mazda Global Environmental Charter as our basic policy for environmental protection in the Mazda Group. According to the Charter's environmental principle *"The Mazda Group aims to promote environmental protection and contributes to a better society while maintaining harmony with nature in its business activities worldwide"* as well as the five action guidelines, Mazda and its group companies give due consideration to the environment in all areas of our corporate activities, including product and technological development, production, distribution, office works, and social contribution.

Furthermore, we work closely with our suppliers in efforts to protect the environment. It is our wish to continue such collaboration under this Mazda Green Purchasing Guideline, and implement even more effective activities for environmental conservation, thereby fulfilling our corporate responsibilities to the society. We ask for your further understanding and continued support.

Purchasing Division
Mazda Motor Corporation

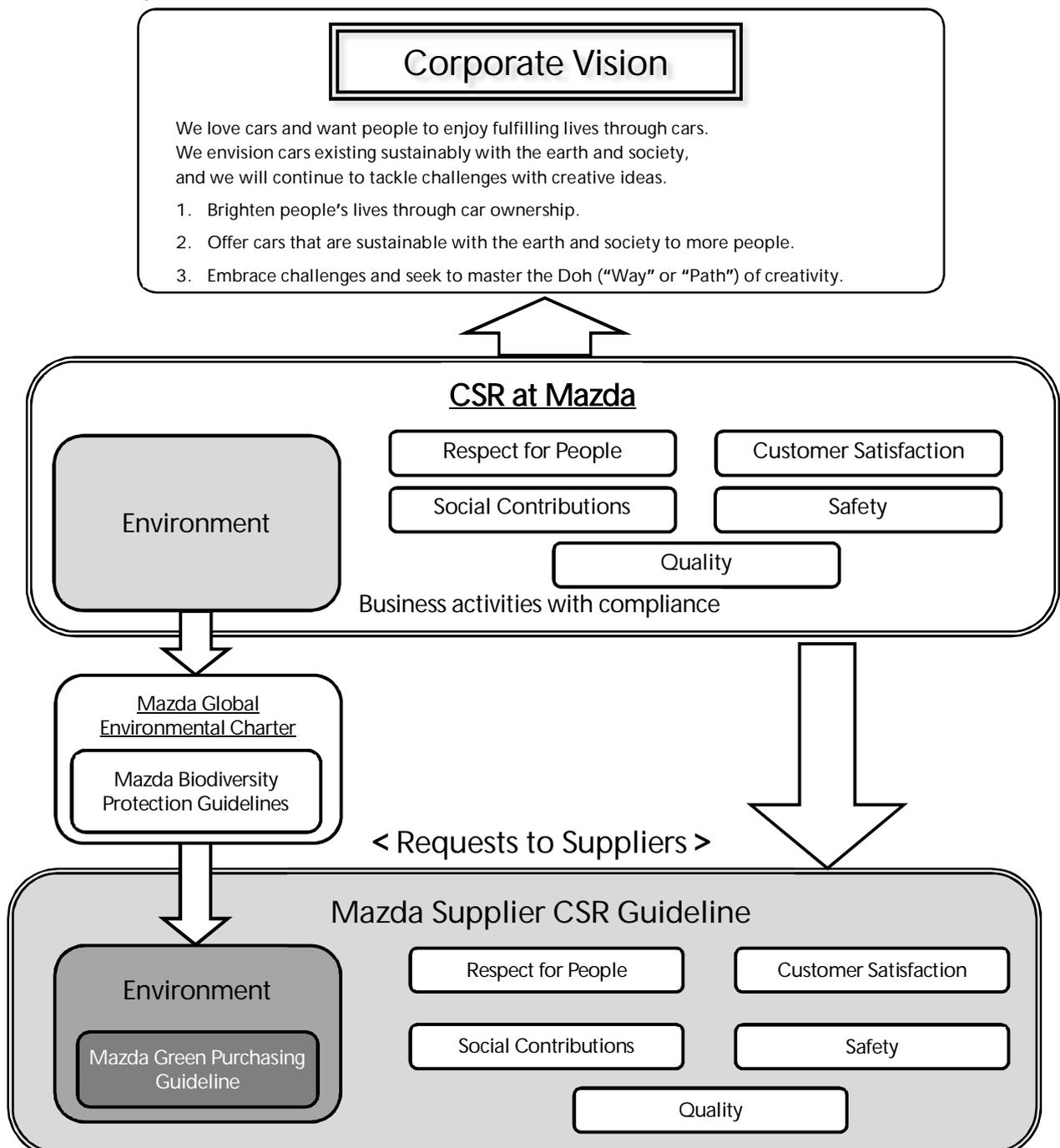
2. Mazda Green Purchasing Guideline

Mazda revised its Corporate Vision in April 2015, aiming to be recognized as a corporate group gaining sincere trust of its stakeholders.

We are committed to promote initiatives towards corporate social responsibilities (CSR) through daily business activities in compliance with the requests and expectations of all stakeholders of Mazda, whereby contributing to the development of a sustainable society.

Our CSR initiatives are undertaken and evaluated in six areas. For Environment, “Mazda Global Environmental Charter” and “Mazda Biodiversity Protection Guidelines” have been established to promote a low-carbon society, recycling society, and symbiotic society.

Furthermore, our CSR approaches for the areas and items relevant to our suppliers are summarized under “Mazda Supplier CSR Guideline” to seek support from our suppliers. The “Mazda Green Purchasing Guideline” re-emphasizes our environment protection philosophies as a part of the “Mazda Supplier CSR Guideline”. It is our wish to work with our suppliers to fulfill corporate social responsibilities and facilitate activities to protect the environment.



3. Mazda Global Environmental Charter

The Mazda Global Environmental Charter was established as basic policy for environmental protection in the Mazda Group. Based on the Charter's environmental principles and five action guidelines, Mazda carries out group-wide activities in consideration of environment.

ENVIRONMENTAL PRINCIPLES

The Mazda Group aims to promote environmental protection and contribute to a better society while maintaining harmony with nature in its business activities worldwide.

- We will contribute to society by creating environmentally friendly technologies and products.
- We will use the Earth's resources and energy sparingly and never overlook environmental considerations when conducting our business.
- We will do our part to improve the environment by working with local communities and society.

ACTION GUIDELINES

1. Creation of Environmentally Sound Technologies and Products

We are committed to the task of creating clean technologies, including methods to achieve cleaner exhaust emissions and reductions in CO₂ emissions, and the development of clean-energy vehicles.

We will promote the creation of products that are environmentally friendly from planning and development to manufacturing, use and recycling/disposal.

2. Corporate Activities in Consideration of Conserving Resources and Energy

We will actively promote resource-saving and recycling activities to conserve the Earth's limited resources.

We will strive to diversify energy sources and use them efficiently.

We will promote the appropriate disposal and recycling of end-of-life vehicles.

3. Corporate Activities in Pursuit of a Cleaner Environment

We will comply with environmental laws and regulations, and will also impose voluntary controls for higher standards and implement self-regulated controls.

We will promote the development of new technologies and the introduction of new systems in our pursuit of a cleaner environment.

4. Working with Business Partners to Create a Better Environment

We will actively provide our employees with education and information about environmental protection to enhance their awareness of the global environment.

We will work in close cooperation with each other to achieve better environmental protection.

5. Creating a Better Environment in Cooperation with Local Communities and Society

We will work actively to understand and appreciate society's requirements for the environment and reflect them in our business activities.

We will disclose and publicize environment-related technologies, systems and information.

We will not only conduct our own environmental activities, but will also actively participate in social activities for the conservation of the environment.

(Established in 1992; revised in April 2005)

4. Mazda Biodiversity Protection Guidelines

Mazda Biodiversity Protection Guidelines*¹ was established in recognition of the significance of natural resources that our business relies on as well as our business impact on biodiversity.

The Mazda Biodiversity Guidelines

【Basic Approach】

Based on "The Mazda Global Environmental Charter", the Mazda Group, recognizing the blessings of nature and the significance of environmental impacts, contributes to the conservation of biodiversity through its corporate activities worldwide, with the aim of establishing and developing a rich, sustainable society that ensures harmony between people and nature.

【Priority Initiatives】

1. Creation of Environmentally Sound Technologies and Products
We will encourage the creation of technologies and products considering harmony between the environment and our corporate activities, by developing technologies that contribute to cleaner emission gases, reduction of CO₂ emissions, research and development of clean energy-based vehicles, promotion of recycling and biodiversity.
2. Corporate Activities in Consideration of Conserving Resources and Energy
We will promote reduction of substances with environmental impact and effective use of resources, and contribute to conservation of biodiversity, through efficient energy use and resource-saving/recycling activities.
3. Collaboration/Cooperation with Society and Local Communities
We will promote local community-based activities, by striving to establish collaboration/cooperation with a wide range of stakeholders including supply chains, local governments, communities, NPOs/NGOs, and education and research institutions.
4. Awareness Enhancement and Information Disclosure
We will take active and self-initiative actions and disclose and share the achievements widely to society, by striving to enhance awareness of the importance of coexistence between people and nature.

Established in December 2012

*¹ Mazda Biodiversity Guidelines: Established in December 2012 for implementation of structured biodiversity protection measures, in recognition of significant business impact on ecosystem based on Biodiversity Impact Assessment.

5. Requests to our suppliers

The Mazda Group sources from suppliers who not only have robust environmental management system but also actively promote measures for global warming prevention, resource recycling, nature conservation, chemical management, and biodiversity protection with high priority in line with the Mazda Global Environmental Charter.

In compliance with the philosophy, we request our suppliers to take the actions detailed below. We may from time to time check the status of implementation of the actions.

		Applicable suppliers	Production Parts/Materials		Non-production Materials/Services			Documents to be Submitted/ Database to Update	Timing
			Parts	Direct/ Indirect Materials	Direct/ Indirect Materials	Dies	Construction, Maintenance		
Requests									
1)	Comply with Environmental Laws & Regulations	X	X	X	X	X	X	—	—
2)	Establish EMS (Report ISO14001 Certification Status)	X	X	X	X	X	X	Certification Information in MGN Supplier Datafile	When a change is made
3) Take Actions to Reduce Environmental Impact from Business									
(i)	Develop Greenhouse Gas Reduction Plan	X	X	X	X	X	X	Documents requested by MC (Applicable suppliers only)	when requested by MC
(ii)	Propose Eco-friendly design/ products/Service	X	X	X	X	X	X	Proposals, quote, etc.	When a proposal is made
(iii)	Propose measures to cut greenhouse gas emissions in logistics process	X	X	X	X	X	X	Logistics-related documents	When a proposal is made
(iv)	Conduct Life Cycle Assessment (LCA)	X	X	-	-	-	-	Documents requested by MC (Applicable suppliers only)	When requested by MC
4) Chemical Management									
(i)	Comply with MES MA 010 "Restricted Substances Management Standard"	X	X	-	-	-	-	—	When using a new material, etc.
(ii)	Report Chemical Management Status Using IMDS and Other Tools	X	X	-	-	-	-	Data input in IMDS/ forms specified by Mazda	
(iii)	Submit SDS in compliance with Industrial Health and Safety Act and GHS Classification	X	X	X	-	-	-	SDS (Applicable supplier only)	
5)	Register Environment Staff	X	X	X	X	X	X	Environment Staff in MGN Supplier Information Application	When staff is newly assigned/ changes

5. Requests to Our Suppliers

1) Compliance with Environmental Laws and Regulations

The Mazda Group tackles compliance as one of the key pillars in CSR. Observance of laws and regulations concerning environment is the prerequisite to promote far-reaching environmental conservation activities. On the other hand, environmental regulations to be followed are diversifying and increasing more than ever in tandem with globalization of the business.

We ask all the suppliers who do business with the Mazda Group to make continued efforts to meet regulatory requirements in countries and regions where they operate, including preventing and monitoring air, water, and soil pollution, reducing contamination, properly managing waste, taking steps for recycling, properly managing banned chemicals, understanding and reporting greenhouse gas emissions. By the same token, we request that our suppliers constantly stay abreast of regulatory changes and maintain compliance with laws and regulations.

5. Requests to Our Suppliers

2) Environmental Management System (EMS)

Mazda requests our major suppliers to obtain ISO14001 certification. Environmental Management System (EMS) should be established and managed at suppliers according to ISO14001 in order to systematically manage and continually enhance environmental conservation efforts.

By same token, we seek support from our suppliers in actively encouraging sub-tier suppliers to promote environmental conservation activities and implement EMS within their companies.

Reporting ISO14001 Certification Status

Suppliers are requested to obtain ISO14001 certification and renew it continuously. Certification status section in MGN*² Supplier Data File should be updated upon obtaining or renewing ISO14001 as well as other certifications.

Suppliers without ISO14001 are requested to follow their Buyer's instructions and submit the "EMS Self-Assessment Chart" to report status of other third party certification similar to ISO14001, if any, EMS self-assessment result and planned timing to obtain ISO14001 certification.

*² MGN: Mazda Global supplier Network = Communication sharing system between MC and our suppliers.

5. Requests to Our Suppliers

3) Actions to Reduce Environmental Impact

The Mazda Group gives environmental considerations in all aspects of our business operations and promotes pollutant emissions reduction, resources and energy- saving technologies, air and water quality protection, biodiversity protection, sustainable use of natural resources, improvement of product durability, 3R's*³, and waste reduction.

We request our suppliers to understand the intent and cooperate on the following:

(i) Develop Greenhouse Gas*⁴ Emission Reduction Plan

Mazda sets target for our suppliers to reduce greenhouse gas (i.e., CO₂, CH₄, N₂O, HFC_s, PFC_s, SF₆, NF₃)*⁴ generated by business activities. We request our suppliers to develop and implement a plan to achieve the target, for reduction of greenhouse gas emissions and environmental impacts. We may from time to time call on our suppliers to report if a plan has been established and how much progress has been made against it. Please kindly file a report when requested by MC.

Greenhouse Gas Emissions Reduction Target*⁵: Reduce 1% or more versus the prior year

(ii) Propose Eco-friendly Design, Products and Services

Mazda makes constant efforts to create environmentally-friendly technologies and products while ensuring our business activities are conducted in energy and resource efficient fashion. In order to support such efforts, we ask our suppliers to actively offer proposals on green technologies, services, design and products they have.

(iii) Propose Measures to Reduce Greenhouse Gas in Shipping Process

Mazda recognizes it is an urgent imperative to cut all kinds of greenhouse gas emission not only in manufacturing processes but also in business operations in order to address global warming. In order to advance the efforts, we ask our suppliers to control greenhouse gas emissions from shipping of products for Mazda as well as actively provide Mazda's relevant functions with suggestions and proposals such as package elimination, eco-friendly packaging solutions using simple package or recycled materials, and more efficient shipping method.

(iv) Support Life Cycle Assessment (LCA)

Mazda aims at minimizing environmental impacts throughout vehicle life cycles through evaluation of all aspects including assembly process, customer usage, and disposal of end-of-life vehicles. For this purpose, Life Cycle Assessment (LCA) is underway according to defined procedures and rating metrics, and will be progressively expanded in its scope. We ask suppliers of those components, materials, or indirect materials that are subject to LCA to present the data requested by Mazda.

*³ "3R": Reduce, Reuse, Recycle

*⁴ "Greenhouse gas" : CO₂ = Carbon Dioxide, CH₄ = Methane, N₂O = Nitrous Oxide, HFCs = Hydrofluorocarbons, PFCs = Perfluorocarbon, SF₆ = Sulfur Hexafluoride

*⁵ "Greenhouse gas reduction target": Average reduction ratio of greenhouse gas generated during the process from product manufacturing for MC to delivery to MC.

5. Requests to Our Suppliers

4) Chemical Management

Mazda is collecting and monitoring data on the content of procured materials and appropriately managing chemical substances specified by various regulations and international standards, including European ELV⁶ Directive and REACH⁷ regulations, Japanese Industrial Health and Safety Act⁸ and Law concerning Pollutant Release and Transfer Register (PRTR)⁹ and Global Automotive Declarable Substance List (GADSL).¹⁰ Furthermore, we are tackling thoroughgoing recycling and waste reduction for efficient use of limited natural resources. We are determined to make such efforts continually, in close cooperation with our suppliers.

- (i) Comply with MES¹¹* MA 010 "Restricted Substances Management Standard"
In compliance with laws and regulations in Japan and abroad, Mazda has established our internal standard "MES MA010 Restricted Substances Management Standard", which specifies restricted substances and substances that must be declared. We request our suppliers' kind cooperation to observe the MES.

- (ii) Report Chemicals Management Status Using IMDS¹² and Other Tools
As we monitor and manage chemical contents of products used in automobiles at Mazda, we ask our suppliers to report usage of chemicals in their products using IMDS for parts and materials, and individual forms for accessories and packaging materials. For suppliers who have received a request from Mazda for submitting usage data via IMDS or individual forms, please respond to the request by the deadline.

- () Submit Safety Data Sheet (SDS)¹³ in Compliance with Industrial Health and Safety Act and GHS¹⁴ Classification
In order to comply with laws and regulations such as the Industrial Health and Safety Act and PRTR as well as Globally Harmonized System (GHS) classification, Mazda requests our suppliers to register SDS for specific raw materials and indirect materials with the PRTR World system. In addition, we request suppliers of certain accessories, service parts and packaging materials that are subject to the Industrial Health and Safety Act and GHS regulation to submit SDS in a prescribed manner.

* Please see the next page for summary of requests regarding chemical management.

⁶ ELV Directive: A regulation regarding hazardous materials from ELV (End-of-Life Vehicle)

⁷ REACH: Registration, Evaluation, Authorization and Restrictions of Chemicals

⁸ Industrial Health and Safety Act: A Japanese law to ensure safety and health of workers in the workplace and to create a comfortable working environment.

⁹ Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof: A Japanese law centering on the Pollutant Release and Transfer Register (PRTR) system and the Safety Data System (SDS) for preventing environmental hazards.

¹⁰ GADSL: Global Automotive Declarable Substance List = List of globally declared material in auto industry

¹¹ MES: Mazda Engineering Standard

¹² IMDS: See MGN and IMDS websites (<https://www.mdsystem.com/magnoliaPublic/en/public.html>) for details

¹³ SDS : Safety Date Sheet

¹⁴ GHS: Globally Harmonized System of Classification and Labelling of Chemicals = Globally harmonized rules for classification, labels and safety data sheets for each hazard of chemical products. GHS has been introduced in many countries, including Japan, for the classification and labeling of chemicals.

Reference: Summary of requests regarding chemical management

The following table summarizes 5. 4) Requests regarding chemical management. Please check the contents and take necessary measures for each area.

Legend: ○: Applicable to all; △: Applicable to some (limited items); ×: Not applicable

Requests		Subject Products					Packaging
		Parts			Raw/Indirect Materials		
		Production Parts	Service Parts	Accessories	Raw Materials Used in Vehicles	Raw Materials Not Used in Vehicles	
Compliance with Mazda Standards/Country Regulations	•MES MA010 Restricted Substances Management Standard	○				×	
	• Industrial Health and Safety Act • PRTR				○	○	
Contents to Report	Reporting Forms	• IMDS	• SDS • GHS Label Sample	chemical substances report SDS	IMDS SDS	• SDS	• REACH report
	Reporting Tools	• IMDS	• Email	• Email	IMDS PRTR World	• PRTR World	• Email
	Report Timing	• When releasing Sourcing Decision Notice • When changing part structure/ materials • When requested	• When setting part number (Items subject to GHS only*)	When shipping overseas (at Mazda's request) When setting part number/shipping overseas (at Mazda's request)	When using a new material (at Mazda's request) When setting an item code; or when sourcing an item with no item code	• When setting an item code; or when sourcing an item without item code	• When requested

Items subject to GHS: Oil, liquid gasket, grease (including grease pack in boot set and joint set), sealers, desiccant, volatile corrosion inhibitor, puncture repair agent, etc.

5. Requests to Our Suppliers

5) Registration of Environment Staff

Mazda will contact those who are registered as Business Administrator (BA) in Supplier Information Application for MGN as the supplier's window for environment-related communication. We request the cooperation of Business Administrator (BA) to cascade environment-related information and requests from Mazda within each company. When registered BA is replaced, please make sure to update MGN Supplier Information Application immediately.

Update history

May 2005 First edition published

July 2010 Complete revision made upon publication of Mazda Supplier CSR Guideline

- Dec. 2014
- (1) Revision of document structure to make clear superordinate and related sections.
 - “ 2. Mazda Green Purchasing Guideline” is added to clarify its relation to other documents related to the guideline
 - “ 3. Mazda Global Environment Charter” is revised to clarify its content as the superordinate document
 - “ 4. Mazda Biodiversity Protection Guideline” is added to clarify the contents of related documents.
 - (2) Clarification of how the data of parts and materials used in vehicle production are managed.
 - “4. 4) Control of Environmentally Hazardous Substances” and “ 4. 4) i) Data Input into IMDS” are replaced by “ 5.4) Report Use of Substances of Concerns (SOC) and Recycled Materials” and “5.4) (i) Report Use of Substances of Concerns (SOC) and Recycled Materials”, respectively
 - (3) Addition of a greenhouse gas
 - NF_3 (nitrogen trifluoride) is added to greenhouse gas list in line with the amendment to the Act on Promotion of Global Warming Countermeasures approved by the Cabinet.
 - (4) Change of Environment Staff registration method
 - “ 5.5) Registration of Environment Staff” is updated in line with the change in the actual operating process.

Mar. 2017 Revision of Mazda’s Corporate Vision - p3

Mar. 2020 Addition of SDS registration – p6, p10

Sep. 2020 Revision of 5. 4) “Report Use of Substances of Concern & Recycled Materials” into “Chemical Management”.

Update of requests regarding chemical management - p6, p10, p11



Mazda Motor Corporation
Purchasing Division
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