

FURUNO Green Procurement Standards

9th Edition



April 2021

Furuno Electric Co., Ltd.

Introduction

Human health and global environmental conservation are the world's common wishes.

Furuno Electric Co., Ltd. (hereinafter called “Furuno”) places the balance of the Global environmental conservation and Furuno's business activities as one of our top management priorities, and sets its environmental philosophy as follows:

- Promote conservation of the global environment.
- Promote the formation of a recycling-oriented society.
- Promote the sustenance of biodiversity.
- Promote fostering a corporate culture which seeks to co-exist with environment and society.

**"Protect Our Earth!
Be a 21st Century Environmental Leader!
The Furuno Aims to Continue Manufacturing Eco-Friendly Products."**

Through our business activities we aim to bring the above motto to fruition. Our Procurement requirements were previously based on quality (Q), cost (C), and delivery (D). We have added another factor, environment (E), to promote Green Procurement and would like to evaluate our Suppliers activities for environment. Specifically in procurement of article, materials, supplies, related equipment and services which we use, we evaluate the degree of environmental impact and promote to eliminate or reduce the harmful chemical substances and make effort to reduce the environmental load caused by whole Furuno’s business activities.

The social interest in the environmental issues is more growing. We must have responsibility as a manufacturer to the compliance with laws and regulations, for example RoHS direct, REACH regulation and Ship recycle convention and so on which are tightening day by day. In this edition, we changed this document name to “Furuno Green Procurement Standards” from “Green Procurement Standards for Parts and Materials”. This means we expanded the scope of this document application to not only the supply parts but your whole activities as a supplier. And especially about the management of chemical substances contained in products, we selected to use “chemSHERPA” scheme which is created and maintained by the JAMP as an information collect method.

We think this document can treat for SDGs, human’s global subjects for the sustainability which contain environmental matters too.

We would like to ask you again to cooperate in green procurement again by revising this document and we believe that it will lead your business to enhance sustainability.

Your understanding and cooperation will be highly appreciated.

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1. Purpose

The Standards clarify Furuno's requirements for the supplier as business partner regarding the environmental conservation.

2. Scope of Application

The Standards apply to all procured item, parts, components, supplies, related equipment and services which configure Furuno's products (This includes not only Furuno brand products but other brand products manufactured and shipped by Furuno).

The Standards also apply for the packaging materials and sub-materials.

3. Requirements for Green Procurement

When we start to procure we set two main requirements: (i) requirements for suppliers (supplier's) activity as business partners and (ii) requirements for procured items from suppliers.

Our policy is to give priority for the suppliers who satisfy the requirements provided in (i) and (ii) and who willingly work towards the environmental conservation.

3.- (i) Requirements for supplier's activity as business partners

3-(i)-1 Consent for the items described in this standard - Required

Submit the "Consent form for Furuno Green Procurement Standards" specified in Annex 1.

3.-(i)-2 Implementation for management of chemical substances contained in products - Recommended

Carry out the management of contained chemical substances based on Product containing chemical substance management (JIS Z 7201: 2017), Product containing chemical substance management guidelines (JAMP issued) or similar procedures.

3.-(i)-3 Acquisition of environmental management system certification - Recommended

Obtaining certification from a third-party organization such as ISO 14001 or introduce a management system that complies with it.

3.- (ii) Requirements for procured items from suppliers

3.-(ii)-1 Prohibition or restriction of the use of chemical substances - Required

Furuno has established the "Furuno Chemical Control Table for Products" (Doc. No. FED-015) based on the international standard IEC62474, which has been compiled in consideration of its use in electrical and electronic equipment as the standard for controlling chemical substances.

Comply with the management standards set forth in this.

(Depending on the category of our product if different control from mentioned above is required it may be requested individually.)

3.-(ii)-2 Survey of chemical substances contained in procured products - Required
Report "Compliance Judgment Information" and "Component Information" regarding the chemical substances contained in the procured products (hereinafter referred to as "chemical substances contained in the product") for Furuno in the format of the chemSHERPA.

(If it is necessary to report in a different format depending on the procured items etc., it may be requested individually.)

3.-(ii)-3 Compliance with the RoHS directive of procured products - Required
Submit the "guarantee of non-inclusion of substances prohibited by the RoHS Directive".

In addition if the material to be supplied is a packaging material, it is also necessary to comply with the "Packaging Material / Packaging Waste Directive".
Submit the guarantee of non-inclusion of substances prohibited by the "Packaging Material / Packaging Waste Directive".

The warranty may be in your format (or may be stated in official documents such as catalogs / datasheets, delivery specifications) but if not please use Annex 2 and 3.

3.-(ii)-4 Labeling on chemicals and submission of SDS - Required

If the procured item is the "chemical substance" or "Mixture" which is subjected to GHS, affix the latest label according to GHS rule.

Also submit the latest version of SDS sheet in a timely manner.

3.-(ii)-5 Proposal of alternative item - Required

If a procured item that has already been delivered no longer complies with restriction 3-(ii)-1, report it immediately and propose an improvement or alternative to the procured item.

3.-(ii)-6 Activities to reduce environmental load - Recommended

When producing products and providing services please make efforts to reduce the environmental load in consideration of resource saving, energy saving, recyclability etc.

4. The definition

We've briefly described the items related for this standard here, but you should check the latest and accurate definitions by yourself.

IEC62474

A standard established by the International Electrotechnical Commission (IEC), which describes material declaration for product of and for the Electrotechnical industry.

ISO 14001 Environmental management system

International Organization for Standardization (ISO)

A management standard established by the organization that stipulates the requirements for an organization to carry out environment friendly management.

SDS (Safety Data Sheet):

In order to ensure the safe handling of chemicals, this is a document that describes information on the hazards of chemicals and it is required to convey information when trading chemicals between businesses. Items to be described in SDS are specified in GHS labeling in the workplace and Safety Data Sheet (SDS)".

SDGs (Sustainable Development Goals):

17 goals that should be aimed at by comprehensively solving various problems in the current world, the SDGs are listed in the "2030 Agenda for Sustainable Development" adopted at the United Nations Summit in September 2015.

Chemicals

A single chemical substance or its mixture that is the raw material for an article.

chemSHERPA

A scheme for information transmission of contained chemical substances established by the Joint Article Management Promotion-consortium (JAMP). An information transmission format (chemSHERPA-AI) for articles and a format (chemSHERPA-CI) for chemicals are available.

Packaging Materials / Packaging Waste Directive

It is prohibited to contain regulated substances specified in the RoHS Directive in packaging materials at a concentration higher than the specified concentration.

Supply chain

A connection between companies that use parts and materials to make products. Roughly speaking, a chemical manufacturing company is called an upstream company, a part / component manufacturing company is called a midstream company and a product manufacturing company is called a downstream company.

Ship Recycling Treaty

The Ship Recycling treaty was adopted by the International Maritime Organization (IMO) in May 2009 with the aim of properly disposing of abandoned vessels. The Ship Recycling treaty stipulates the obligation to list and manage harmful substances in ships for the purpose of recycling ships. The Ship Recycling treaty has not yet come into force, but the EU has enacted and enforced corresponding rules.

GHS

Abbreviation for "The Globally Harmonized System of Classification and Labeling of Chemicals"

It has been established as a United Nations document so that chemicals can be safely used, transported and disposed of by a unified classification and labeling method through the worldwide distribution of chemicals.

Sustainability

It will continue not only for the current generation but also for future generations

Management of chemical substances contained in products

Based on Japanese industrial standardization standard JIS Z 7201: 2017 which is the standard for the management of chemical substances contained in products. JAMP has created guidelines for the purpose of reliable and effective practice.

Article

A product that has a specific shape using chemical substances and has a function as a product.

Furuno Chemical Control Table for Products

Basic restrictions on the chemicals contained in Furuno's products.

There are a wide variety of national laws and regulations such as the Japanese law about chemicals, the European law "RoHS Directive", "REACH Regulation" and "Ship Recycling Rule".

The international standard IEC62474 is based on a summary that takes into consideration the effects of these on electrical and electronic equipment.

Prohibited substances

Substances that are prohibited or prohibited from being used in excess of the content standards. When using the target substance it is necessary to understand the content status regardless of the content.

Substances whose use is not prohibited, but reduction is desired. If the content of the target substance exceeds the reporting standard it is necessary to grasp the content information.

REACH regulation

A regulation enforced by the EU (European Union) in 2007 that requires registration and safety evaluation of tens of thousands of product containing chemical substances used in the EU.

Annex 17 in the regulatory text specifies prohibited substances.

RoHS Directive

A directive enacted and enforced in the EU with the aim of preventing discarded electronic devices from adversely affecting the environment.

It is prohibited to contain regulated substances specified in the directive in uniform substances in products at a concentration higher than the specified concentration.

5. Application of this standard

The 9th edition will be applied from June 1, 2021.

For the latest information visit our website.

<https://www.furuno.co.jp/csr/environmental/green.html>

6. Points of this review

The title was changed from "Parts / Materials Green Procurement Standards" to "Furuno Green Procurement Standards" and completely revised.

In addition, it was designated as the management document FED-016 for the environmental management system.

Added SDGs initiatives to "Introduction"

The scope of application has been expanded from "parts / members" to "parts / members and supplies, related equipment, services and roles".

Added consent form.

The standard of controlled substances was updated from JIG-101 to IEC62474.

Removed BNST from prohibited substances.

The information transmission format was changed from JGPSSI to chemSHERPA.

7. Contact

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Attachment 1

To Furuno Electric Co., Ltd.

Consent to Furuno Green Procurement Standards

We understand and agree to cooperate with the items described in the "Furuno Green Procurement Standards 9th Edition".

If a problem occurs with the chemical substances contained in the goods delivered by us, we will make an effort to solve the problem.

Even if the "Furuno Green Procurement Standards" is revised, this agreement will continue to be valid if you agree to the revised version.

Date of consent:

Company Name :

Responsible person: