



Green Procurement Guideline

Ver. 4.0

Revised: April 2021

Noritsu Precision Co., Ltd.

1. Introduction :

With the economic development so far, the risk of chemical substances has adversely affected the human body and the environment more than we imagined. Noritsu Precision Co., Ltd., (hereinafter referred to as “NPC”) started the development and design of products with less of an environmental impact since the beginning of the 21st century and has been aiming for environment-friendly manufacturing that considers human health. Therefore, in order to comply with the laws and regulations of environmental chemical substances and other requirements, NPC will promote green procurement in accordance with the Green Procurement Guideline (hereinafter referred to as “this guideline”).

2. Purpose

Green procurement means procuring products that are safe, recyclable, and energy saving from suppliers who are actively engaged in environmental conservation and environmental chemical substance management. This guideline aims to avoid the use of environmental chemicals and continuously improve a clean society, not only at NPC but also throughout the entire supply chain related to product distribution.

3. Scope of Application

This guideline applies to the products, chemical substances, mixtures, parts, members, packing materials, and auxiliary materials procured by NPC in its production activities.

4. Green Procurement Standards

In order to promote green procurement, NPC would like suppliers to agree to the above and satisfy the following requirements.

4-1 Terms and Conditions of Business with Suppliers

- (i) Suppliers shall have obtained a third-party certification for an EMS that complies with international standards such as ISO 14001 and EMAS, or an EMS that complies with Eco Stage and Eco Action 21 (for domestic application). Alternatively, suppliers shall pass an audit conducted by NPC.

Name of Standard	Organizer	Outline
ISO 14001/EMS	International Organization for Standardization	Internationally recognized third-party certification system http://www.iso.org/iso/home.html
EMAS / EU Environmental Management and Audit Regulation (Eco-Management Audit Scheme)	European Commission, Environment DG	Standard aimed at sustaining environmental improvement http://ec.europa.eu/environment/emas/index_en.htm
KES / Kyoto EMS Standard (Environmental Management System)	NPO KES Environmental Organization (Miyako Agenda 21 Forum)	Environmental management system http://www.keskyoto.org
Eco Stage	Ecostage Institute	Environmental management assessment system based on acquisition of ISO14001 http://www.ecostage.org
Eco Action 21	Institute for Promoting Sustainable Societies	Certification / registration system based on the guideline by the Ministry of the Environment http://www.ea21.jp

- (ii) Suppliers shall be requested to tell NPC about the implementation of green procurement or the plan for implementation of green procurement.

- (iii) When NPC conducts the audit, suppliers shall be required to satisfy the Guideline for Management of Chemical Substances Contained in Products - Implementation Item List and Check Sheet.

- (iv) Suppliers shall be requested to create a scheme for managing chemical substances contained in their delivered products.

4-2 Environmental Conservation Activities

NPC shall confirm the actual situation of environmental conservation through the Supplier Green Production Survey Sheet.

4-3 Controlled Chemical Substances [Appendix 1]

- (i) Controlled chemical substances contained in the procured products shall be required to satisfy the criteria in [Appendix 1].
- (ii) Suppliers shall be requested to provide accurate content information on the controlled chemical substances contained in the procured products.
- (iii) The controlled chemical substances of the procured products must be managed based on the Guideline for Management of Chemical Substances Contained in Products or management standard pursuant to the guideline.
(Please check the Guideline for Management of Chemical Substances Contained in Products - Implementation Item List and Check Sheet on our website. For component measurements, the analysis / measurement shall be conducted at an ISO/IEC 17025 certified institute or the analysis / measurement shall be conducted according to IEC 62321 or equivalent standard.)

5. Letter of Consent

This guideline shows the standard and operation regarding non-containing of chemical substances contained in products, non-use of prohibited chemical substances in the manufacturing process, and the establishment and maintenance of a system to guarantee them. Suppliers shall be requested to agree to the content of this guideline and submit a Letter of Consent.

6. Change of 4Ms (Material, Method, Machine and Man)

In the event of any change in the material used (Material), manufacturing method (Method), production equipment (Machine), or manufacturing manager (Man) regarding the procured products subject to the letter of consent, suppliers shall be requested to inform the person in charge at NPC about the fact regarding the change in advance.

7. Request for Survey Cooperation

NPC will implement effective measures for environmental conservation throughout the supply chain, including suppliers. Information sharing is essential to that end, and NPC would like to request your cooperation in the following surveys.

7-1 Information on Contained Chemical Substances

Suppliers shall be requested to provide the information on the chemical substances contained in the products, chemical substances, mixtures, parts, members, packing materials, and auxiliary materials procured by NPC. The chemical substance information shall be provided on the information transmission sheet recommended by JAMP (chemSHERPA-AI or chemSHERPA-CI). However, NPC may specify a different format. In addition, NPC may request suppliers to submit a written certificate related to a specific chemical substance, law, regulation, or standard.

7-2 Field Survey of Environmental Conservation Activities

If NPC deemed necessary, NPC would conduct a field visit (on-the-spot survey) after a certain period of time after the introduction of the system to confirm the self-reported environmental conservation activities at the initial stage of 4-2

8. Disclosure

This guideline will be disclosed on the NPC website via the Internet (Web), which can be viewed by anyone from a fair standpoint. When disclosing the text, it will be released in three languages, Japanese, English, and Chinese, from a global perspective. (The English and Chinese versions will be posted on the English site of the website.)

[Appendix 1] List of Controlled Chemical Substances

Name of Chemical Substance	Application	Threshold Level	Represented Law or Regulation	
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc., Class I specified chemical substances	All	Inclusion prohibited	Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.	
Industrial Safety and Health Act, Prohibited substances for manufacturing etc.	All	Inclusion prohibited	Industrial Safety and Health Act	
Poisonous and Deleterious Substances Control Act, Specified poisonous substances	All	Inclusion prohibited	Poisonous and Deleterious Substances Control Act	
Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures, Specified substances	All	Inclusion prohibited	Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures	
Act on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals, Specified substances	All	Inclusion prohibited	Act on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals	
Stimulants Control Act, Stimulants	All	Inclusion prohibited	Stimulants Control Act	
Narcotics and Psychotropics Control Act, Narcotics and psychotropics	All	Inclusion prohibited	Narcotics and Psychotropics Control Act	
Air Pollution Control Act, Controlled substances	Pursuant to the Act (Excluding the substances specified in this guideline)		Air Pollution Control Act	
Water Pollution Prevention Act, Controlled substances	Pursuant to the Act (Excluding the substances specified in this guideline)		Water Pollution Prevention Act	
Soil Contamination Countermeasures Act, Controlled substances	Pursuant to the Act (Excluding the substances specified in this guideline)		Soil Contamination Countermeasures Act	
PBT Chemicals under U.S. TSCA section 6 (h)	All	Inclusion prohibited	U.S. TSCA	
Cadmium / cadmium compounds	All	0.01 wt% (100 ppm) in homogeneous material	EU RoHS Directive (2011/65/EU)	
Lead / lead compounds	All	0.1 wt% (1,000 ppm) in homogeneous material		
Hexavalent chromium / hexavalent chromium compounds	All	0.1 wt% (1,000 ppm) in homogeneous material		
Mercury / mercury compounds	All	Intentional addition or 0.1 wt% (1,000 ppm) in homogeneous material		
Polybrominated biphenyl (PBB)	All	0.1 wt% (1,000 ppm) in homogeneous material		
Polybrominated diphenyl ether (PBDE)	All	0.1 wt% (1,000 ppm) in homogeneous material		
Di(2-ethylhexyl)phthalate (DEHP)	All	0.1 wt% (1,000 ppm) in homogeneous material		
Dibutyl phthalate (DBP)	All	0.1 wt% (1,000 ppm) in homogeneous material		
Butyl benzyl phthalate (BBP)	All	0.1 wt% (1,000 ppm) in homogeneous material		
Diisobutyl phthalate (DIBP)	All	0.1 wt% (1,000 ppm) in homogeneous material		
Cadmium	Packing materials / auxiliary materials	Sum of the 4 controlled substances: 0.01 wt% (100 ppm) in packing material or constituent of packing material		EU Packaging and Packaging Waste Directive (94/62/EC)
Lead				
Hexavalent chromium				
Mercury				
Cadmium / cadmium compounds	Batteries	0.001 wt% (10 ppm) of battery	EU Battery Directive (2006/66/EC)	
Lead / lead compounds		0.004 wt% (40 ppm) of battery		
Mercury / mercury compounds		Intentional addition or 0.0001 wt% (1 ppm) of battery		
		0.0005 wt% (5 ppm) in homogeneous material		Canada Mercury Regulation (SOR/2014-254)
Asbestos	All	Intentional addition	EU REACH Regulation (1907/2006/EC)	
Some azo dyes / pigments	Textiles and leathers	0.003 wt% (30 ppm) of product	EU REACH Regulation (1907/2006/EC)	
Beryllium oxide (BeO)	All	0.1 wt% (1,000 ppm) of product	EU EICTA / CECEDEERA Guidance	
Brominated flame retardants (Excluding PBBs, PBDEs, and HBCDD)	Plastics excluding printed circuit boards	0.1 wt% (1,000 ppm) as bromine in plastic material	IEC 61249-2-21 IPC-4101	
	Printed circuit boards	0.09 wt% (900 ppm) as total bromine content in board	JEDEC JS709	
Chlorinated flame retardants (CFRs)	Plastics excluding printed circuit boards	0.1 wt% (1,000 ppm) as bromine in plastic material	IEC 61249-2-21 IPC-4101	
	Printed circuit boards	0.09 wt% (900 ppm) as total bromine content in board	JEDEC JS709	
Diarsenic pentoxide	All	0.1 wt% (1,000 ppm) in homogeneous material	EU REACH Regulation (1907/2006/EC)	
Diarsenic trioxide	All	0.1 wt% (1,000 ppm) in homogeneous material	EU REACH Regulation (1907/2006/EC)	
Fluorinated greenhouse gases (PFC, SF6, HFC)	All	Intentional addition	EU Fluorinated Greenhouse Gas Regulation (517/2014)	

Name of Chemical Substance	Application	Threshold Level	Represented Law or Regulation
Formaldehyde	Wood products	Intentional addition	U.S. TSCA
	Textiles	0.0075 wt% (75 ppm) of textile product	Austria BGBl
Lead / lead compounds	Household goods for children under 12 years old	0.01 wt% (100 ppm) of product	U.S. Consumer Product Safety Improvement Act
	Toy paints / surface painting	0.009 wt% (90 ppm) of surface painting	
	Coated wires / cords	0.03 wt% (300 ppm) in surface coating material	U.S. California Proposition 65
Benzene	All	Intentional addition	Air Pollution Control Act Industrial Safety and Health Act Water Pollution Prevention Act
Nickel / nickel compounds	All, in case of prolonged skin contact	Intentional addition	EU REACH Regulation (1907/2006/EC)
Perchlorate	All	0.000006 wt% (0.006 ppm) of battery or component part	U.S. California Perchlorate Regulation
Phthalates I (DEHP, DBP, BBP, DIBP)	Toys /child-care products	0.1 wt% (1,000 ppm) of plasticized material as total of phthalates	EU REACH Regulation (1907/2006/EC)
Phthalates II (DINP, DIDP, DNOP)	Toys /child-care products	0.1 wt% (1,000 ppm) of plasticized material as total of phthalates	EU REACH Regulation (1907/2006/EC)
Decabromodiphenyl ether (DecaBDE)	All	Intentional addition or 0.1 wt% (1,000 ppm) in homogeneous material	EU REACH Regulation (1907/2006/EC)
Polychlorinated terphenyls (PCTs)	All	Intentional addition or 0.005 wt% (50 ppm) in homogeneous material	EU REACH Regulation (1907/2006/EC)
Polyvinyl chloride and its compounds	All	0.1 wt% (1,000 ppm) of product	U.S. IEEE1680 (Electronic Product Environmental Assessment Tool)
Radioactive substances	All	Intentional addition	EU-D 2013/59/Euratom
Short-chained chlorinated paraffin (C10-13)	All	Intentional addition or 0.1 wt% (1,000 ppm) in homogeneous material	EU REACH Regulation (1907/2006/EC) EU POPs Regulation (850/2004/EC)
Tri-substituted organostannic compounds (Including tributyltin (TBT) and triphenyltin(TPT) compounds)	All	Intentional addition or 0.1 wt% (1,000 ppm) in parts as tin element	EU REACH Regulation (1907/2006/EC)
Tris(2-chloroethyl) phosphate	All	0.1 wt% (1,000 ppm) in homogeneous material	EU REACH Regulation (1907/2006/EC)
Dimethyl fumarate (DMF)	All	0.00001 wt% (0.1 ppm) in parts	EU REACH Regulation (1907/2006/EC)
Diisononyl phthalate (DINP)	All	Intentional addition	U.S. California Proposition 65
Diisodecyl phthalate (DIDP)	All	Intentional addition	U.S. California Proposition 65
IEC 62474 Declarable Substance List	-	-	-
EU REACH Regulation, Restricted substances (1907/2006/EC ANNEX XVII)	Pursuant to the REACH Regulation (Excluding the substances specified in this guideline)		EU REACH Regulation (1907/2006/EC)
EU REACH Regulation, Substances subject to authorization (1907/2006/EC ANNEX XIV)			EU REACH Regulation (1907/2006/EC)
EU REACH Regulation, Substances of very high concern (SVHC) (1907/2006/EC Candidate List for Authorization)			EU REACH Regulation (1907/2006/EC)

[Note]

- Refer to the link below for the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc., Class I specified chemical substances / Industrial Safety and Health Act, Prohibited substances for manufacturing etc. / Poisonous and Deleterious Substances Control Act, Specified poisonous substances / Act on the Protection of the Ozone Layer Through the Control of Specified Substances and Other Measures, Specified substances / Act on the Prohibition of Chemical Weapons and the Regulation of Specific Chemicals, Specified substances.
https://www.nite.go.jp/chem/chrip/chrip_search/sltLst (NITE Chemical Risk Information Platform)
- Refer to the link below for the IEC 62474 Declarable Substance List.
Material Declaration for Products of and for the Electrotechnical Industry (<https://std.iec.ch/iec62474>)
- All substances added in the future under IEC 62474 and REACH regulation will be subjected to the management. Substances will not be added to this guideline each time.
 - As shown in [Appendix 1], the controlled chemical substances are specified in consideration of the environmental regulations of each country and region in the world. When there is a possibility that a new substance regulation will affect our products due to revision of laws and regulations, NPC will add the substance as a controlled chemical substance. However, all substances added in the future under IEC 62474 and REACH regulation will be subjected to the management. Substances will not be added to this guideline each time. In addition, for substances regulated under multiple environmental regulations, the standard with the strictest content rate threshold will be adopted. (There will be some exceptions depending on the product delivery destinations.)
- Exemption of the RoHS Directive (2011/65/EU)
The RoHS Directive stipulates items that are exempted from the application to the use of regulated substances in specific applications. Since the exempted items will be updated from time to time, be sure to check the latest information and implement the appropriate measures. Be sure to report the volume of content and name of content, even if the substance is judged to be exempt. In addition, there are exemptions for other environmental regulations, so be sure to take appropriate measures.
- Legal Regulations and Industry Standards for chemSHERPA Controlled Substances
(Since the information will be updated from time to time due to revision of laws and regulations or enforcement of new laws and regulations, be sure to check the latest information and implement the appropriate measures.)
Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc., Class I specified chemical substances
U.S. Toxic Substances Control Act (TSCA), Banned or restricted substances (Section 6)
EU ELV Directive
EU RoHS Directive, Annex II
EU POPs Directive, Annex I
EU REACH Regulation, Candidate List of SVHC for Authorisation (Substances subject to authorization)
EU REACH Regulation, Annex XIV (Substances subject to authorization)
EU REACH Regulation, Annex XVII (Restricted substances)
EU Medical Device Regulation (MDR), Annex I, 10.4 Chemical Substances
IEC 62474 DB

Revision History

Revision No.	Date of Establishment / Revision	Major Revision Content
Ver. 3.1	January 2008	Creation and total revision of List of Controlled Chemical Substances
Ver. 3.2	October 2008	Update of [Appendix 1] List of Controlled Chemical Substances
Ver. 3.3	July 2009	Update of [Appendix 1] List of Controlled Chemical Substances
Ver. 3.4	February 2014	Company name change from Noritsu Koki Co., Ltd., to NK Works Co., Ltd.
Ver. 3.5	March 2016	Company name change from NK Works Co., Ltd., to Noritsu Precision Co., Ltd.
Ver. 3.6	April 2019	Update of the guideline for controlled chemical substances
Ver. 4.0	April 2021	Reexamination and total revision of the content and scope of application of controlled chemical substances and the scheme of information transmission