

VOLVO

Key Elements Procedure 5 Environmental Requirements

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1. FORWARD

Environment is one of seven key elements ⁽¹⁾ for a Volvo Group supplier

Our approach is holistic, which means that every aspect of environmental impact -globally and locally - comes under scrutiny. The total life cycle of the products, from design and production through the use phase to handling and recycling of end-of-life material, must be examined and the product adjusted to reduce its effect on the environment.

Suppliers play a vital part in the development and production of Volvo products. A truly holistic view means that every link in the supply chain is equally responsible for the best possible environmental care.

This document gives you information on the Volvo Group environmental policy and its consequences for the supplier co-operation. Requirements listed in section 3 apply to suppliers to the Volvo Group. Specific cases where full requirements cannot be implemented will be handled by each Volvo Business Area (BA)/Business Unit's (BU) purchasing management team.

For definition of environmental terms used in this document please refer to ISO 14001.

⁽¹⁾ see Volvo Group Supplier portal at www.volvo.com/suppliers

2. ENVIRONMENTAL POLICY OF THE VOLVO GROUP

Environmental Care is a Corporate Value of the Volvo Group. The Group is to be ranked as a leader in terms of Environmental Care among the world's top producers of transport related products, equipment and systems. The environmental programmes shall be characterized by holistic view, continual improvement, technical development and resource efficiency. The Volvo Group will by these means gain competitive advantage and contribute to sustainable development.

Holistic view

In our efforts to reduce environmental impact from our products, operations and services we shall

- take account of the complete life cycle
- take a leading position regarding environmental care, wherever in the world we operate, with applicable legislation and other regulations as a minimum standard
- make pollution prevention a prerequisite for all operations
- encourage suppliers, dealers and other business partners within our sphere of influence to adopt the principles in this policy

Continual Improvement

Our environmental activities shall be integrated in all operations and be improved continually by:

- formulating, communicating and monitoring clearly-defined goals
- involving our employees

Technical development

We shall strive to exceed demands and expectations from our customers and society by:

- active and future-oriented research and development efforts
- developing transport solutions with low environmental impact
- promoting development of harmonized legal requirements
- continually reducing our products' fuel consumption, exhaust emissions, noise and impact on climate change
- reducing the use of environmentally harmful materials

Resource efficiency

Taking account of the complete life cycle, our products and industrial operations shall be such that:

- the consumption of energy and raw materials is minimized and
- the production of waste and residual products is minimized and waste management is facilitated.

The environmental programs and their results shall be communicated in an open and factual manner. Business areas and business units are responsible for implementing action programs based on this policy.

March 24, 2004

Leif Johansson

President of AB Volvo and CEO

3. ENVIRONMENTAL REQUIREMENTS FOR VOLVO GROUP SUPPLIERS

- Suppliers are responsible for their respective sub-suppliers for deploying these requirements through their supply chain.
- Suppliers must comply with applicable environmental legal requirement.
- Suppliers must have knowledge of the Volvo Group Environmental Policy.
- Suppliers of production materials and services must be third party certified to ISO 14001 or EMAS⁽²⁾.
- Suppliers must be able to report on their environmental work, including organisation, fulfilment of legal demands, and environmental results.
- Suppliers shall maintain an open dialogue with Volvo Group concerning achievements, trends and possibilities for environmental improvements.
- Environmental related data from production, products and transport and must be available upon request for Volvo Group to enable environmental assessments (for example Life Cycle Assessment).
- Chemicals or materials involved in products or services delivered to Volvo Group must fulfil the requirements stated in the Volvo standards 100-0002⁽³⁾ and 100-0003⁽³⁾ also known as the Volvo Black and Grey lists.
- All Volvo Group suppliers delivering to EU shall comply with the EU legislation Registration, Evaluation, Authorization and regulation of Chemicals (REACH) (EC) 1907/2006.
- Volvo Group shall not be regarded and will not act as an importer under REACH. Therefore suppliers outside of EU who deliver to Volvo Group companies within EU shall point out an Only Representative within EU.
- A supplier that is responsible for planning and choosing packing materials for products delivered to Volvo Group should do it in such a way that the total environmental impact is minimised.
- Suppliers should handle excess and rejected materials in a manner which minimizes impact on the environment.
- Suppliers shall consider recycled/recyclable materials when selecting materials and design solutions.
- When required by Volvo Group, suppliers shall report specified chemical and material content of component parts in the International Material Data System (IMDS).

Any deviations must be documented by the supplier and reported to Volvo Group for approval.

(2) For practical reasons, each BA/BU will define a lower limit of purchased value, where the full requirements will be implemented.

(3) See Volvo corporate standard at Volvo Group supplier portal

4. GUIDELINES FOR SELF ASSESSMENT - ENVIRONMENT

4.1 Purpose

The purpose of this checklist is to give Volvo Group an overview of the environmental status of our suppliers focus on implementation of ISO14001 or EMAS, fulfilment of the Volvo Black and Grey lists and the possibility of reporting on International Material Data System IMDS (when applicable)

4.2 Use of the checklist

This checklist is part of the Supplier Evaluation Model for Volvo (SEM), giving the score for the environmental assessment.

The supplier is required to decide whether the checklist should be filled out for each operation site (delivering to Volvo Group), or be combined for all sites. The Supplier shall document each Volvo Supplier Number that is covered by the answer to the checklist.

The returned checklist will be reviewed by Volvo Group and may be used as a follow-up in connection with other visits to the supplier. The supplier should be prepared to show documentation of the answers, if requested.

The checklist consists of three parts:

A. Questions related to the environmental situation of your company: third party certification, requirements to suppliers and improvement plans.

B. Questions related to the products or services delivered to Volvo Group. The basic documents are Volvo Group environmental requirements for suppliers and the lists of chemicals (the "black" list STD 100-0002: <http://www.tech.volvo.se/standard/docs/100-0002.pdf> and the "grey" list STD 100-0003: <http://www.tech.volvo.se/standard/docs/100-0003.pdf>).

C. A space for you to use for additional information, comments, etc.

4.3 Supplier Self-assessment Environmental requirements for Volvo Group Suppliers

Supplier Name	
Volvo Supplier number(s)	
Address Telephone/Telefax	
Environmental manager	
Contact at supplier (e-mail address & phone number)	
Volvo Group contact	
Evaluation date	
Signature	<hr/>
E-mail address	

Environmental Requirements for suppliers Self-assessment

Grey = No , Non-existent, Not begun, No documentation
Light grey = Partly , Not completed, Begun, Some results reached
White = Yes , Completed, Documented, Requirements met
Framed = Not relevant
Black = answer not allowed for this question
The answers to the questions of part A and B will be used to calculate the score. Part C is for informational purposes only. Maximum points 48, markings in "not relevant" will be excluded from total score.

	No 0 p	Partly 3 p	Yes 6 p	Not rel	Comments
A The Company					
1. Do you have a third party certified (ISO 14001 or EMAS) management system covering all relevant activities (e.g. Product planning & development, Production, Purchasing, Sales organisation)?					If yes: please attach a copy of your certificate and document the Volvo Group supplier number(s) covered by the certificate(s) If no or partly: please attach time plan.
2. Are there any requirements on Sub-tier suppliers to be certified according to ISO 14001 or EMAS?					If no or partly: document what are the current requirements are and if there is an action plan, please attach.
3. Are there plans or activities to improve existing products or production process with regard to environment impact (taken the whole life cycle into consideration)?					If yes: please attach plans or activities (target, time plan, etc.)

B Hazardous Substances					
	No 0 p	Partly 3 p	Yes 6 p	Not rel	Comments
4 Are products delivered to Volvo Group free from chemicals on the black list?					If no or partly: please document the substances that are being used and attach a phase out plan
5 Are the production processes free from chemicals on the black list?					If no or partly: please document the substances that are being used and attach a phase out plan
6 Are products delivered to Volvo Group free from chemicals on the grey list?					If no or partly: please document the substances that are being used and attach a phase out plan
7 Are production processes free from chemicals on the grey list?					If no or partly: please document the substances that are being used and attach a phase out plan
8 Is the material content of the product available to be reported in IMDS (according to IMDS reporting for Volvo Group instructions)				(4)	

⁽⁴⁾"Not relevant" is no option for automotive industry suppliers

C. Additional information and comments:

If environmental reports or similar are available, please attach!	
If reports on Life Cycle Assessments, Environmental Product Declarations etc are available, please attach!	