



# Supplier Handbook

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## Index

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1. Purpose
2. Scope
3. Code of Conduct
4. Acronyms and Definitions
5. Prohibited and Restricted Materials Policy
6. Quality System Requirements
7. Continuous Improvement
8. Supplier Selection
9. Design Control
10. Advanced Product Quality Planning (APQP)
11. Production Part Approval Process (PPAP)
12. Non-Conforming Material
13. Maintenance and Improvement
14. Other Quality Requirements for Suppliers
  - a. IMDS
  - b. Environmental
  - c. Packaging
  - d. Labelling
15. Additional Information
16. Secrecy



# Handbook

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## 1. Purpose

SEM AB has the intention of a Zero Defect Policy. All incoming goods must be according to drawings and specifications or other communicated demands from SEM AB or the end customer.

In the environmental policy, SEM AB states to produce with as little environmental footprint as possible. Our company also has the intention that all employed people, both at SEM AB and our suppliers and their suppliers shall have good work environment.

## 2. Scope

This Supplier Handbook applies to all suppliers of direct material to SEM AB.

## 3. Code of Conduct

SEM AB's Code of Conduct shall be signed by all suppliers of direct material.

## 4. Acronyms and Definitions

General according to AIAG(Automotive Industry Action Group) manuals:

APQP = Advanced Product Quality Planning

PPAP = Production Part Approval Process

SPC = Statistical Process Control

MSA = Measurement System Analysis

FMEA = Failure Mode Effect Analysis

Other relevant manuals/systems:

IMDS = International Material Data System

SEM specific:

DR = Deviation Report

DAR = Deviation Approval Request

SCR = Supplier Change Request

## 5. Prohibited and Restricted Materials

SEM AB requires its suppliers to follow REACH, RoHS and restrictions regarding Conflict Minerals or other relevant laws and restrictions. The latest version of restriction or law shall be followed as a minimum regarding prohibited and restricted materials. "Suppliers Declaration of Compliance" template available on [www.sem.se](http://www.sem.se) for download, signing and return to SEM purchase department.

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|---|----------------------------|--|
|  | <h1>Supplier Handbook</h1> | <p>Template:<br/> Revision: 2<br/> Approved:      Date:<br/> AC/CA      2017-09-08</p> |
|---|----------------------------|--|

## 6. Quality System Requirements

Suppliers are responsible for the development, documentation, implementation and maintenance of a quality system that complies with the ISO 9001 as a minimum quality demand. Suppliers are encouraged to become certified to the quality management system standard ISO/TS 16949, the environmental management system ISO 14001 and OHSAS 18001 or equivalent.

## 7. Continuous Improvement

Suppliers to SEM AB shall have an established way of working with continuous improvement but are of course obliged to inform and get approval from SEM AB as a customer of any change made to process or product. Changes might also need to be verified by SEM AB or end customer before implementation.

All changes in product, process or material shall be described in an SCR sent to SEM AB. In the SCR the supplier shall describe the proposed change and also how to verify it. SEM AB needs to approve in written before any change can be done.

## 8. Supplier Selection

In the selection process at SEM AB you as a supplier shall be able to fill in the supplier evaluation sheet and fulfil the minimum demands set out in this evaluation, send a copy of your valid quality certificate of ISO/TS 16949 or ISO 9001(minimum demand), be prepared for a process/product audit and also evaluate your own possibility to fulfil the demands in the supplier handbook you are now reading.

## 9. Design Control

The supplier shall contribute with suggestion of cost reduction e t c even when design is owned by customer.

## 10. Advanced Product Quality Planning (APQP)

SEM AB wants their suppliers to work according to APQP both in their own process and at their sub suppliers.

## 11. Production Part Approval Process (PPAP)

SEM AB demands from their suppliers:

Complete PPAP documentation shall be available upon request.

Default level is PPAP level 3, if nothing else is stated in quotation request, purchase order e t c.

## 12. Non-Conforming Material

SEM AB will send out a DR (Deviation Report) if the case of non-conforming material.

The supplier can get obliged to sorting responsibility; payment responsibility e t c. SEM AB will also demand documentation in the return to describe actions in the short term, long term e t c. It is preferable to use 8D report or equivalent.

|   |                            |   |
|---|----------------------------|---|
|  | <h1>Supplier Handbook</h1> | Template:<br>Revision: 2<br>Approved: AC/CA      Date: 2017-09-08 |
|---|----------------------------|---|

## 13. Maintenance

Suppliers shall have systems for periodic maintenance for process and measurement equipment used to produce products to SEM AB.

## 14. Other Quality Requirements for Suppliers

### a. IMDS

When the customer so requests, the supplier to SEM AB shall register all components, semi-components and materials in the delivered product at the IMDS website, [www.mdssystem.com](http://www.mdssystem.com). If this IMDS demand is stated as mentioned above, SEM AB will not approve any PPAP before this is registered completely at the website.

### b. Environmental

Minimum requirement for environmental demands are stated in SEM AB's "Supplier evaluation".

### c. Packaging

If nothing else is stated from SEM AB, the packaging will automatically be approved after the third delivery counting from SOP date.

The intention shall always be to use returnable packaging material and also, if possible, recycled packaging material.

### d. Labelling

If nothing else is stated from SEM AB, the minimum demand for labelling is to include SEM purchase order number, SEM AB's and suppliers part number and quantity of parts in the packaging.

## 15. Additional Information

All requirements in this document are general and other more specific requirements can be stated in drawings, standards, orders, agreements and others between SEM AB and the supplier.

## 16. Secrecy

In general we want our supplier to be very careful with all information, both in written and verbal, between SEM AB and themselves. We do not want any information that is not public known to be communicated with any third part without written approval from SEM AB.