

Appendix C – BMW CSR

Global Supplier Manual Appendix C – BMW Customer Specific Requirements for Suppliers

08.04.2021

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SMR Global Supplier Manual - Additional Customer Specific Requirements

Scope of this document

The scope of this document is to ensure compliance to customer requirement by sub-suppliers of SMR Automotive who are supplying for any BMW project. This document is listing requirements for these suppliers in addition to standard IATF16949 requirements and in addition to standard SMR requirements.

Responsibility

Suppliers who are supplier for SMR of a component for a BMW product shall meet all requirements listed in this document during the whole project lifetime. This includes but not limited to:

- Regularly check for updates of this document on <https://www.smr-automotive.com/en/suppliers>
- Ensure availability and awareness of related BMW standards and requirements mentioned in this document
- Ensure requirements are met in their supply chain

1.0 Product Safety (IATF16949 section 4.4.1.2)

Supplier shall nominate a Product Safety and Conformity Representative (PSCR – trained by VDA-QMC). Supplier shall include this in their initial PPA (*Process and Product Approval*) package to SMR, and in case of a change of this person supplier shall send a written notification to SMR (to SMR Purchasing and SDE responsible to that particular supplier)

2.0 Clarification regarding „special approval“ of Design-FMEA (IATF16949 section 4.4.1.2)

The SMR does not require participation in the release of D- and P-FMEAs that contain critical characteristics concerning product safety. The release is part of the supplier's obligations.

3.0 Preservation (IATF16949 sections 8.1.1 / 8.5.4/8.5.4.1)

Unless otherwise specified by SMR, supplier shall meet Logistic Requirement for Suppliers of BMW Group (“Logistische Anforderungen an Lieferanten der BMW Group”).

Unless otherwise specified by SMR, supplier shall consider and meet requirements of “BMW Verpackungshandbuch” – Packaging Manual of BMW Group.

4.0 Design and development planning (IATF section 8.3.2.1)

The Supplier shall ensure that design and development planning includes all affected stakeholders within the organization and, as appropriate, its supply chain. Examples of areas for using such a multidisciplinary approach include but are not limited to the following:

- a) project management according to VDA-RGA;
- b) product and manufacturing process design activities (for example, DFM and DFA), such as consideration of the use of alternative designs and manufacturing processes;
- c) development and review of product design risk analysis (FMEAs), including actions to reduce potential risks;
- d) development and review of manufacturing process risk analysis (for example, FMEAs, process flows, control plans, and standardised work instructions).

The supplier shall follow the AIAG & VDA FMEA-Handbook for Design FMEA, Process FMEA, First Edition Issued June 2019

5.0 Product approval process (IATF16949 section 8.3.4.4)

Supplier shall follow the VDA2 Rev 2020 booklet during the PPA process.

6.0 Layout Inspection and Functional Testing (IATF16949 section 8.6.2)

Unless otherwise specified by SMR, supplier shall meet BMW Group Standard 90018-1 and 90018-2 regarding annual *product and process requalification* requirements.

Each product need to requalify annually according to the previous submission date;

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Minimal Data to be sent to SMR SDE/SQE include:

Annual Dimensional layout

Material certification less than 1 year old,

Testing reports for all safety items / federal and governmental requirements.

Requalification process checklist BMW form GS90018-2 – SMR Form QPG-SQA-8.4 Appendix C BMW Self audit form is available from SMR SDE/SQE also. See the included objectum.



QPG-SQA-8.4-R01
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7.0 Customer Notification (IATF16949 section 8.7.1.6)

For submission of a supplier self notification regarding quality deviations all relevant information shall be distributed to all affected plants of the SMR **via email within 24h to SMR Purchasing and SDE responsible to that particular supplier.**

8.0 Problem solving and Customer complaints and field failure test analysis (IATF16949 section 10.2.3/ 10.2.6)

Supplier shall follow the VDA 8D form in case of every 0km complaint.

During the warranty parts analysis, the supplier shall follow Field Failure Analysis & Audit Standard

2nd revised edition, November 2018. Group Standard 95004 „Failure analysis; Part analysis of field complaints“.

History of Revision

No.	Cause of modification	Date	Modifier	Approved
1	First issue	16.10.2017	Judith Robertson	Steffen Dehner
2	BMW_Customer_Specific_Requirements_AUG2020 (added section:2 and 5, modified section5)	25.09.2020	Józsa László	Rambir
3	Update with VDA requirements the section 1/4/5/6/8	08.04.2021	Józsa László	Rambir
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