5.3

VDA Standards

VDA Standards

- The VDA methods and requirements (VDA Standards) are developed by German automotive industry which consist of most experienced OEM und supplier experts.

- The VDA Standards are published in English and Chinese language.

- These standards & methods define the "state of the art" of quality management in the German automotive industry; The German Automotive Industry constantly further develops the standards.

- Only VDA QMC has genuine access to the latest revisions of VDA standards/trainings and knowledge.

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Red Volumes

No.		Title	Language	Version & Release date in Germany
1		VDA 1 Documented Information and Retention-Guideline for control and retention of documentation within the parameters of the product life cycle – particularly their classification	CN/EN	4th completely revised edition, August 2018
2		VDA 2 Quality Assurance for Supplies – Production process and product approval (PPA)	CN/EN	6th revised edition, Apr. 2020
4		VDA 4 Section 1: General Methods Overview, Elementary Aids, Development Processes	CN/EN	3rd, fully revised and expanded edition, March 2021
		Section 2: Risk Analyses Fault Tree Analysis – FTA, Failure Mode and Effects Analysis (FMEA), SWOT-Analysis (Strengths – Weaknesses – Opportunities –Threats)	CN/EN	3rd fully revised and expanded edition, March 2021
		Section 3: Methods Design for Manufacturing and Assembly (DFMA), Digital Mock-Up (DMU), Design of Experiments (DoE) – Trial Methodology, Manufacturing Feasibility Analysis, POKA YOKE, Quality Function Deployment (QFD), TRIZ, Economical Process Design and Process Control, 8D Method, 5 Why Method, Selection of Preventive Quality Management Methods	CN/EN	3rd, fully revised and expanded edition, March 2021
		Section 4: Process Models Six Sigma, Design for Six Sigma (DFSS), Industrial Tolerance Process	CN/EN	3rd, fully revised and expanded edition, March 2021
5		VDA 5 Measurement and inspection processes Capability, planning and management	CN/EN	3rd, revised edition, July 2021
		VDA 5 Practical Guide	CN/EN	1st edition, September 2022
5.1	NEW	VDA 5.1 Traceable Inline Measuring Technology	CN/EN	2nd edition, March 2024 CN/EN version hope to be released in quarter 2, 2025
5.2	NEW	VDA 5.2 Capability of Measurement Processes for the Torque Inspection on Bolted Joints (revision)	CN/EN	Planned Quarter 4, 2024 CN/EN version hope to be released in quarter 1, 2025
5.3	NEW	VDA 5.3 Capability of Inspection Processes Optical Sensors/Image Processing	CN/EN	Planned Quarter 4, 2024 CN/EN version hope to be released in quarter 1, 2025
6		VDA 6 Certification Requirements for VDA 6.1, VDA 6.2 and VDA 6.4	CN/EN	6th revised edition, September 2016 English edition published in Sep. 2017
6.1		VDA 6.1 QM-System Audit Serial Production	CN/EN	5th edition, Dec. 2016
6.2		VDA 6.2 QM System Audit - Services - Special Requirements for Service Organizations in the Automotive Industry	CN/EN	3rd edition, Jun. 2017
6.3		VDA 6.3 Process Audit	CN/EN	4th revised edition, Jan. 2023
6.4		VDA 6.4 System Audit-Production Equipment	CN/EN	3rd edition, Jun. 2017

No.		Title	Language	Version & Release date in Germany
6.5		VDA 6.5 Product Audit – Guidelines	CN/EN	3rd, revised edition in March 2020
6.7		VDA 6.7 Process Audit – Production Equipment Product realization process/single-piece production	CN/EN	3rd, revised edition, May 2020
6.8	**NEW**	VDA 6.8 Supply Chain Process Audit	CN/EN	Planned Quarter 4, 2024 CN/EN version hope to be released in quarter 1, 2025
9		VDA 9 Quality Assurance – Emissions and Fuel Consumption – CoP Tests on Passenger and Light Commercial Vehicles	CN/EN	4th completely revised edition, Mar., 2020
16		VDA 16 Decorative Surfaces of External Fittings and Functional Parts in the Internal and Externals of Automobiles – Evaluation Conditions / Definitions of Characteristics and Dealing with Defects / Acceptance Criteria	CN/EN	3rd Edition 2016
19		VDA 19.1 Inspection of Technical Cleanliness – Inspection of Technical Cleanliness >Particulate Contamination of Functionally Relevant Automotive Components (Former Title: VDA 19)	CN/EN	2nd Revised Edition, Mar. 2015 Improved Chinese translation Version, Jul.2021
		VDA 19.2 Technical Cleanliness in Assembly – Environment, Logistics, Personnel and Assembly Equipment	CN/EN	1st edition, 2010
Agile Collaboration		Agile Collaboration	CN/EN	1st edition, Jan. 2021
EOS		EOS – Electrical Overstress in the Automotive industry	CN/EN	1st edition, Jan. 2020
FMEA		AIAG & VDA FMEA Handbook	CN/EN	1st edition, 2019
LL		Lessons Learned	CN/EN	1st edition, Nov. 2020
PCS		Product compliance Volume 1: Product Compliance System	CN/EN	1st edition, Nov. 2023
PI		Product Integrity – Recommended action for organizations regarding product safety and conformity, 1st edition Nov. 2018 (Including Recall Management Using Over the Air updates, 1st edition July 2020)	CN/EN	Edition 1.1 Sep. 2020 (China)
8D		8D - Problem Solving in 8 Disciplines	CN/EN	1st edition, Nov. 2018

Blue-Gold Volumes (A to Z)

Title	Language	Version & Release date in Germany
A process description covering Special Characteristics (SC)	CN/EN	2nd, updated edition, Apr. 2020
Customer specific requirements	CN/EN	2nd revised edition, Nov. 2018
Field Failure Analysis (FFA) & Audit standard	CN/EN	2nd edition, Dec. 2018
Guidelines on analyzing possible scenarios and risks when using consumer electronics (CE) components in vehicles	CN/EN	2nd revised edition, September 2022
Maturity Level Assurance (MLA) for New Parts Product creation - Maturity Level Assurance for new Parts – Methods, measurement criteria, documentation	CN/EN	3rd revised edition, June 2022
Robust Production Process (RPP) Product Manufacturing and Delivery – Robust Production Process, Pre-requisites, Standards,Controlling, Examples	CN/EN	1st edition, Nov. 2007 Update reprint in Nov. 2019
Specification Standard Structure Automotive VDA Component Requirement – Specification Standard Structure	EN	2nd revised edition, July 2024
Standardized Process for Handling Customer Complaints	CN/EN	2nd edition (revised), Dec. 2020

ASPICE Related Volumes

	Title	Language	Version & Release date in Germany
NEW	Automotive SPICE® Process Reference Model - Process Assessment Model (PAM)	CN/EN	4.0 Version, Nov. 29th 2023 CN/EN version Sep. 2024
	Automotive SPICE® for Cybersecurity Process Reference and Assessment Model	CN or EN	1.0 version , Jul. 16th 2021
	AUTOMOTIVE SPICE® for Cybersecurity	CN/EN	1st edition, Aug. 2021
NEW	Automotive SPICE® Guidelines Process assessment using Automotive SPICE in the PAM 4.0	CN/EN	2nd revised edition, 2023 CN/EN version Sep. 2024
NEW	Automotive SPICE® Potential Analysis Process Reference and Assessment Model	CN/EN	1st edition, June 2024 CN version planned Quarter 2, 2025
NEW	Automotive SPICE® Potential Analysis Process Reference and Assessment Model based on Automotive SPICE® and Automotive SPICE® for Cybersecurity including Guidelines	CN/EN	1st edition, August 2024 CN version planned Quarter 2, 2025