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STANDARDS & GUIDANCE BRIEF · UNITED STATES · INDUSTRY REFERENCE MANUAL

AIAG & VDA SPC

AIAG & VDA SPC Manual — Process Management, Performance and Capability, Control Charts

DOCUMENT	QES-WP-129, Rev B	DATE	November 7, 2026
ISSUED BY	AIAG and the German Association of the Automotive Industry (VDA)	PREPARED BY	Conner Davidson
EDITION	1st edition (2026), on sale from July 1, 2026; succeeds the AIAG SPC manual, 2nd edition (2005)	STATUS CHECKED	October 24, 2026
INDUSTRIES	Automotive	ONLINE	qesisbest.com/standard-aiag-spc.html

NEW EDITION, 2026 The harmonized AIAG & VDA manual was released in July 2026. Customers decide when their suppliers must move to it; until then, work to the edition your customer names. **Next:** Expect customer notices setting adoption dates; commentators anticipate a transition of about two years.

What It Covers

How to use statistical methods to understand, control, and improve a process: control charts, process performance and capability indices, and the control system around them.

Who It Applies To

Automotive suppliers, and any manufacturer that controls a process statistically or reports capability to a customer.

Key Requirements

- Capability (Cp, Cpk) reported only for stable processes; performance indices (Pp, Ppk) used otherwise.
- Control chart selection guided by the data type and distribution, with charts for non-normal data.
- Rules for detecting special causes, and a reaction plan for each out-of-control signal.
- Sampling frequency informed by risk from the PFMEA, with measurement systems proven first.

What an Auditor Asks to See

- Control charts for the special characteristics, with the reactions to recent signals.
- Capability studies for the PPAP and whether the process was stable when they were run.
- Which edition of the SPC manual your customers require.

Where Systems Fall Short

- Cpk reported for an unstable process.
- Control charts filled in but never reacted to.

How QES helps. SPC set up where it earns its keep, with reaction plans operators can follow and a transition plan to the 2026 manual. See the gap assessment: qesisbest.com/services.html#gap-assessment · +1 (401) 246-3204 · mweeden@qesisbest.com

Sources, checked October 24, 2026. VDA QMC Webshop — AIAG & VDA SPC Manual, 1st edition 2026 — webshop.vda.de/QMC/en/aiag-vda-spc-handbook_englisch; DQS — Release of AIAG VDA SPC Manual, 1st edition (July 2026) — www.dqsglobal.com/en/explore/blog/release-of-aiag-vda-spc-manual-1st-edition; AIAG — Automotive Industry Action Group publications — www.aiag.org.

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