

Automotive Quality System Requirements— QS 9000 and ISO/TS 16949



QS 9000, developed in 1995 by the Chrysler/Ford/General Motors Supplier Quality Requirements Task Force, is based on ISO 9001 and includes additional, agreed-upon automotive supplier requirements, as well as specific requirements for suppliers to the “Big Three” North American auto makers. All first-tier suppliers to Chrysler, Ford, and GM must have a management system compliant with QS 9000; consequently, the requirements have been passed down through the supply chain, significantly improving product quality throughout the automotive sector and in many related product component sectors.

QS 9000 saves companies money through continual improvement, defect prevention, and waste reduction. In 1999, the Automotive Industry Action Group’s fourth annual QS 9000 survey reported more than six percent average cost savings among companies that had implemented QS 9000—approximately \$8 million per company in the first year. The survey also revealed:

- 48 percent improvement in defect rates
- 38 percent improvement in on-time shipping performance
- 23 percent increase in original equipment manufacturer market share among QS 9000 registered companies.

ISO/TS 16949 is an ISO technical specification developed by the International Automotive Task Force, an international group of vehicle manufacturers, national trade associations, and the International Organization for Standardization (ISO). This specification is in the process of becoming an ISO standard and aligns global automotive standards—QS 9000 (American), VDA6.1 (German), EAQF (French), and AVSG (Italian). ISO/TS does not replace existing quality system requirements; however, the “Big Three” recognize this standard and accept compliance with ISO/TS 16949 or QS 9000.

Benefits

Implementation of QS 9000 or ISO/TS 16949 generates significant quality improvements and cost reductions. Additional benefits include:

- Increased global sourcing confidence
- Common supplier/subcontractor quality system approach in the supply chain
- Reduced second- and third-party audit costs
- Common language to improve quality requirements understanding
- Consistent deliverables worldwide
- Reduced variation
- Increased efficiency

Our Solutions

Perot Systems considers your current understanding of AS 9100, available resources, timeline, and objectives, and provides a customized package of one or more of the following products and services to meet your business needs:

- Training
 - ▲ Documentation Development
 - ▲ Implementing Process Improvement
 - ▲ Internal Auditing
 - ▲ Introduction to AS 9100
 - ▲ AS 9100 Management Overview (complementary)
- Assessments
 - ▲ Gap assessment
 - ▲ Pre-assessments
- Consulting
 - ▲ Implementation planning
 - ▲ Documentation support
 - ▲ Implementation support
 - ▲ Registrar selection assistance
- Program Management Services—We facilitate improved quality and ISO 9001/AS 9100 compliance for multiple sites, suppliers, or association/agency members.

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